University of the Philippines Manila
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Jomres Plus (A Jomres Supplemental Plugin)

A special problem in partial fulfillment
of the requirements for the degree of
Bachelor of Science in Computer Science

Submitted by:

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June 2015

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Abstract

Traveling and reservation systems have become popular. Online Booking and Property Management Systems like the Jomres Hotel Booking System offer significant advantages. Jomres is Joomla's longest hotel booking system or booking portal. This study provides a plugin for Jomres named Jomres Plus (a Jomres supplemental plugin) that would add to and improve its existing functionalities for both administrator and customer.

Keywords: reservation system plugin, modified reservation system, Jomres, tourist services

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I. Introduction

A. Background of the Study

Traveling has become popular, be it for vacation, educational purposes, or attending conferences and meetings. The development of airlines played a key role in the creation of a global tourism market as it made any destination reachable in a short period of time and increased the number of passengers. Low-cost airlines become more and more popular because they provide, along with online ticket purchase, certain information about tourist destinations. [1] The Internet gave rise to various new travel business models including travel search engines, online travel agencies, and travel websites. [2]

In a digital environment that is now present in tourism, information and reservation systems are the basis for the realization of business. [1] Most properties all over the world are nowadays offering the facility of online bookings to their guests because it allows them to reserve rooms instantly. Some websites even provide room availabilities to inform their customers about how many people can be accommodated at a particular date. Hoteliers can market their properties directly to their guests. The online travel sales worldwide have increased in double digit every year. [3] Customer satisfaction can be increased by following up on their online feedback if the management will act upon their suggestions. Travelers can book hotels or rooms of their choice from the convenience of their homes and they can avoid conflicts unlike booking on the spot. Hotel websites can also provide pictures to their clients, besides other details like best deals, prices, and guest reviews, thereby giving them a virtual tour of the hotel and a better idea about the actual property.

Online Booking and Property Management Systems like the Jomres Hotel Booking System offer significant advantages over dedicated site-based systems in that they don't require numerous, licensed terminals or computers. Jomres can be used for a single property website, acting as a Property Management System integrated with an Online Booking system

for a guest house, bed and breakfast, or villa right the way up to being a full booking portal for thousands of properties. [4] Jomres is Joomla's longest running Hotel Booking System / Booking Portal, GPL (GNU General Public License) licensed for nine years and integrated into WordPress. [5]

B. Statement of the Problem

Tourists are usually new to a place they are visiting and language is a barrier; and property owners can't get away from customers' complaints, from some customers' inability to pay on time, and from unexpected circumstances in record keeping. Jomres provides plugins that are useful for both tourists and property managers but are proprietary.

Tourism talks about the satisfaction, enjoyment, and preferences of the tourists. Some customers of a hotel only look for things to do once they are checked in. They have to ask the natives regarding attraction spots, shopping malls, or whatever their preferences are near the hotel and the instructions on how to go there. The tourists may be unfamiliar not only with the place but also with the native's dialect or language. Having no or little idea, they still have to ask and look for the place they want to visit instead of being able to do what they can once they have reached and checked in to their hotel. Whatever their purpose for traveling is, they want to avoid wasting resources and maximize their time to make their stay meaningful. Furthermore, having no control of the weather, travelers sometimes are having a hard time to decide on what clothes to wear and items to include in their luggage. Unexpected cancellations of flight or events and changes in operating/visiting hours may also happen due to inclement weather.

Some customers forget that they still have payments to settle. Some may not be able to pay on a given deadline. Because of the huge amount of customers, the administrators may not be able to remind them or cancel their booking on time. Also, unlikely events may happen regarding the records of customer's information and their booking details. The owner of the property cannot get away from both guests' positive and negative reviews.

The customers' expectations may not have been met due to lack of provided information, communication, and feedback. Companies utilize websites as a marketing mechanism for selling their products and services. Whatever the property has to offer should be transparent to the customers. Applying new methods of attracting and maintaining current customers is completely essential. [6]

Jomres can be enhanced with plugins that can be downloaded through the Jomres Plugin Manager once a Download and Support License is purchased. Some useful but proprietary plugins are Share Property Plugin, Top Destination Plugin, Review Reminder Plugin, Export Bookings Plugin, Google Maps With Driving Directions Plugin, Google Weather Forecast Plugin, and Embed YouTube Video Plugin. [7]

The core system of Jomres is free and open source but it only provides limited yet essential functionalities. In the dashboard, there is a calendar that tabulates a customer's status (arrival pending, arrive today, current resident, has not arrived, departs today, departure overdue, checked out, and black booking) according to the room they chose. The admin can add a new booking by providing the customer's personal information, check-in and check-out date and room choice; view all the bookings then amend a reservation, cancel booking, enter deposit, add service to bill, print and email confirmation letter, show invoice, and add notes; and can also add a guest and view them, list invoices, view statistics, view and edit business details, tariffs and resources, business configuration, and email templates. A media center is also provided for uploading property images. The customer can book, contact the admin, view slideshow, tariffs, resources, and print the property's information.

C. Objectives of the Study

- **General:**

  This study aims to create an open source plugin for Jomres to add improvements to its existing functionalities.

- **Specific:**

  Specifically, this study aims to create a plugin with the following functionalities:

  1. Allows customers to
     - View and query top destinations like tourist spots and events within the area of the property using Google Maps
     - Get transit, driving, walking, or cycling directions to the property from the user-given address and vice versa using Google Maps
     - Get current weather information and forecast using Forecast.io
     - Share property to different social media using ShareThis
  2. Allows property administrator to
     - Automatically send a payment reminder email to customers who made provisional bookings that are not paid within a chosen interval
     - Manually or automatically cancel all provisional bookings that are not paid within a chosen interval
     - Automatically send a customer feedback reminder email to guests to leave a review of the property they stayed at after a chosen interval from their departure date
     - Export bookings data within a specific date range which contains booking no., invoice no., arrival, departure, number of guests, guest name, landline, mobile, email, contract total, deposit required, deposit paid or not, extras, and a note if booking is cancelled or not to a CSV file for backup
     - Insert YouTube videos in the property details page

D. Significance of the Project

The development of such plugin is useful to both customers and administrators of the property site. When the users are able to view the top destinations near the area of the

property while browsing the website, they are already aware of what activities to do and can eventually plan their timetable to maximize their stay. Since it is sometimes hard to ask the natives about directions because of the difference in dialect or language, the users will already be provided the driving, walking, or cycling directions to the property from their given address or vice versa. Aside from avoiding the tourist to be lost, this can prevent confusions and wasting time and money. This provides convenience to the guests because they can search for places and directions directly from the property's website and avoids the aforementioned problems like only look for things to do once they are checked in. This is also beneficial to the company because the customers will be more encouraged to book a room if they found the destinations they are looking for and directions they are asking. An important factor to take into account when traveling is the weather. Knowing the forecast will help the tourists decide what kind of clothes to wear and bring. This will help them organize their luggage because they will be taking with them the appropriate things. The tourists can also plan their activities according to the weather during their stay and avoid unnecessary cancellations. The users can also share the property to their social media accounts. Aside from expressing their experiences during their stay, this can help promote the property.

Sending an email to customers who made provisional bookings that are not paid within an interval of time is necessary so they can be reminded that they have to pay or their booking will be canceled automatically. If a booking is not paid within a period of time, then the booking is cancelled and the calendar will show the booked dates as available, so somebody else can book those days. This promotes strict and unbiased implementation of rules and reduces human error. Asking guests a review of the property can increase user satisfaction by stating their experience. Sending them a request automatically reminds them to make their reviews. Whatever their comments, questions, or suggestions can be attended. Having an offline record of the customer's information and booking details is important for backup purposes.

E. Scope and Limitations

1. This is a web-based plugin of a plugin (Jomres Core Version 8.1.9, a Joomla and Wordpress plugin).

2. The user is provided top destinations within the area of the property that are already encoded in Google Maps using Google Places API.

3. The user is provided transit, driving, walking, or cycling directions that are already encoded in Google Maps using Google Directions API.

4. The user gets the current weather information that are provided by Forecast.io.

5. The user can share the property to Facebook, Twitter, Tumblr, Google Plus, and Pinterest using ShareThis.

6. Payment for the bookings is done using Jomres itself. Jomres Plus just provides the payment reminder email and the cancellation of unpaid bookings.

7. The property administrator serves as both receptionist and property manager.

8. This plugin will be submitted to the Jomres administrator but the decision of becoming an official plugin for Jomres will be theirs.

F. Assumptions

1. The user of this plugin has already installed Jomres.

2. Bookings should exist for the payment reminder, cancellation of unpaid bookings, customer feedback reminder, and exporting bookings data to be useful.

3. Each customer provided an email address in the booking form.

II. Review of Related Literature

It is important to look at the desired functionalities of an online booking system to be able to come up with an efficient plugin for Jomres. Other related systems and plugins should also be considered to know what are their usual specifications and functionalities and to identify their possible drawbacks as well.

Online booking systems challenge the effectiveness of traditional way of booking process. In a study made by Idyawati H et al., the design of a system must be fit for its purpose in a way that users can comprehend and its features must be ethical. [8] User interface for business websites affects many features of peoples lives because it is a part of the system or product with which people come into contact physically, perceptually and conceptually. [9]

In Kuang and Yang's study, website easy usability impacts on customer satisfaction most significantly, followed by responsiveness and reliability of the website. Suggestions are given to improve online booking consumer satisfaction, such as ease of use of the website design, timely processing of orders, offering more offline personal support for online service, doing more communication with customers, providing more communication channel and so on. [10]

In a study conducted by Li and Liu, consumers not only search information that is related to needed products and/or services, but they also search for comments or reviews from other consumers who have previously purchased the products or service. [11] Consumers will feel less risk associated with online purchase if they have more positive trust in the company and therefore, have more positive attitude towards online purchasing. [12] [13]

Qi and Qiang found out in their study that consumer reviews have a significant impact on online sales, and that this effect was stronger for hotels with lower star rating. Hotel sales improve when they get higher ratings from consumers. The higher the hotel star ratings, the less influence consumer ratings will have on bookings. That means consumer reviews are especially important for hotels with lower star rating. Consumers should be encouraged to

post online reviews. [14] Consumer reviews are particularly important for experience goods, because their quality cannot be identified before consumption. [15]

Perceived security has the highest effect and transaction cost has the lowest impact on online users' trust in using e-tourism services. The perceived private privacy, simplicity of payment methods, and navigation functionality also allocate the next positions to themselves respectively. Sanaz and Hoornaz Shafiee concluded in their study that provided that all capabilities and services of websites are reliable, the tourists prefer using electronic services compared to the traditional services. Their findings indicate that when consumers consider an online purchase, satisfaction is likely to affect their level of trust. Trust and satisfaction have significantly positive effects on loyalty, which in turn influences consumer behavioral intentions with respect to tourism products and online services. [6]

In a study conducted by Wei et al., tourists who make hotel reservations through online channel perceive significantly higher benefits and lower service quality of offline channel. Improving the searching efficiency of booking information and simplifying booking process will directly enhance tourists perception of benefit toward online channels, which will greatly increase the probability to make online reservation. [16]

Understanding the web surfers behavior and preferences allows the travel and tourism service providers to strategize their businesses effectively. Cheng et al. provided the readers of their paper to manage the needs of online information, ease of performing transactions, and enhancing customer relationships. The successful implementation of the seamless matching of the web interface with the process of travel and tourism services creates mutual benefits if there are properly managed. This in turn would improve the trust and confidence of web surfers, who are the potential tourists, on the entire countrys travel and tourism related industries. [17]

An Intelligent Agent based Hotel Search and Booking System, which was made by McTavish and Sankaranarayanan, aims to improve the speed of the search and reduce cost. It gathers the information about different hotels by collecting details on the list of available

facilities, price, customer experience, transportation etc., comparing them with user preferences, and forward-feeding them back to the users mobile phone. A booking can also be made based on the hotel selected by the user. [18]

One of the main goals of a travel website is helping the potential tourist to discover places to visit when planning a vacation to a touristic region, be it a city, a region or a country. A very important feature in this kind of site is showing the touristic suggestions of what the tourist can find in the destination, optimally personalized for him. Coelho and Rodrigues discussed in their paper the usage of the built itinerary in producing customized recommendations, based on the proximity, the explicit profile of the user and his inferred profile. [19]

Obtaining more accurate information of tourism destinations is the most concerning thing for tourists, especially for self-navigation tourists. Wu et al., proposed a resolution which constructs tourism information system using Google Maps. Using the platform, tourists can conveniently obtain more references for their travel. It has become essential to obtain more accurate information of tourism destinations, including some aspects of food, shelter, traveling, shopping, entertainment, and so on. This provides accurate and concrete travel information for more tourists. [20]

There are other available booking plugins for Wordpress and Joomla but are proprietary. BookingWizz is a standalone application but it can be integrated on a WordPress site. It has a calendar widget and an upcoming events widget. [21] HotelBooking offers customizable online booking form, seasonal prices, booking availability calendar, add extra hotel services, and block dates. [22] Rather than a simple theme this is more of an app-theme for WordPress. [23] Booking System PRO, a WordPress plugin, offers calendars, booking forms, taxes and fees, coupons, and booking forms. In WP Booking Calendar, administrators can create a calendar for one or more services that are available for booking, with the option to set different timeframes for each day so that customers can easily place reservations. [24] The next plugins to be enumerated are free. Appointment Booking Calendar is a WordPress

plugin that allows a customer to book an available time slot from a defined set which can be connected to a PayPal payment page, send notification and confirmation emails, and export appointment data to CSV files. [25] Booking Calendar and Booking System, another WordPress plugins, can also provide bookings and checking availability of properties. [26] [27] Checkfront is a proprietary plugin for Joomla and Wordpress. It allows businesses to manage their rental inventories, centralize reservations, process online payments, and provide booking interface. [28]

III. Theoretical Framework

A. Tourist Services

Tourism has become one of the most rapidly progressive industries that is boosted by e-commerce in the Internet era. The advantages of the Internet lead to fundamental changes for tourism enterprises to interact with their customers and perform their businesses. [29] This is evidenced by the remodeling of industry structure with the new way of travel products distribution. [30] Travel service providers has laid extra emphases on the Internet and conduct service online distribution in order to reduce the dependence on travel agencies and the cost of commissions paid to them. [31] Traditional travel agencies have been aware of the presence of the Internet and its influence on their performance. [32] With this, they found that the ability to use the Internet in together with conventional channels is the key to ensure survival. [33]

In most countries, the hotel industry is one of the largest and most profitable industries. It helps to boost the economy of both developed and developing countries. It also stands as one of the major suppliers for tourism in these countries. People are always canvassing for the cheapest rates for hotels and arrange bookings in advance to guarantee their stay for the period of their vacations. guarantee their stay for the period of their vacations. Several websites and booking systems have developed over the past years to assist tourists in searching for and booking of hotels. [18]

B. Hotel Reservation System

A hotel reservation system is a specific type of software that supports, most of the time as a means of a web browser, the hotel for which the system has been deployed. Its key features are usually to search and book hotel rooms, to notify of every event related to a user by sending the email on a given address during the registration process, to support

the definition process of each component of the hotel such as rooms, promotions, packages, discounts, and services, and to complete the reservation process by notifying the system. [34]

The reservation making phase often includes selecting hotel, dates, and room, providing customer details such as name, address, email address, etc., providing payment details, and confirming reservation. [35]

C. Jomres

Jomres is Joomla's longest running Hotel Booking System / Booking Portal established in March 18, 2005. It is GPL licensed for 9 years and integrated into WordPress. Once it's downloaded and installed, it can be used for the lifetime of the project. Jomres Version 8.1 introduces the ability for users to install not only on Joomla but also on WordPress. The core system is free and is a working booking system which can be enhanced with plugins that can be downloaded through the Jomres Plugin Manager once a Download and Support license is purchased. [5] Some of the core system's functionalities include adding and canceling a booking, viewing all bookings, amending reservations, and list invoices.

D. Joomla

Joomla is an open source Content Management System (CMS). It is used to create highly interactive multi-language websites in no time like online communities, media, portals, blogs and e-commerce applications. With blogging in Joomla, templates are used to set page. If a user wants intranet site with multiple objects and needs faster response, Joomla can be used as it handles the load better. Joomla caches less amount of data in memory and it reduces significant time in page load therefore it can be said that Joomla performs faster than others after caching. [36]

E. WordPress

WordPress is an open source Content Management System. CMSs fulfill common task of content like create, edit, and publish. [37] It is initially designed as a blogging platform and became a useful CMS over time. One of the main advantages of WordPress is the large number of plugins contributed and released by independent developers. [36] As for security performance, compared to other CMS which are Drupal and Joomla, WordPress has the fewest number of sensitive files and directories hence WordPress provides better security than the other two. [37] When it comes to predicting the amount of implementation-related vulnerabilities in WordPress plugins by plugin ratings, only a weak non-linear correlation between ratings and number of vulnerabilities is found. [38] WordPress takes only a few time to load with textual information due to small number of requests. It caches more amount of data in cache memory. [36]

F. Plugin

A WordPress Plugin is a program or a set of one or more functions written in the PHP scripting language. It adds a specific set of features or services to the WordPress weblog, which can be seamlessly integrated with the weblog using access points and methods provided by the WordPress Plugin Application Program Interface (API). [39]

A plugin in Joomla is a kind of Joomla! extension. Plugins provide functions that are associated with trigger events. Joomla provides a set of core plugin events, but any extension can fire (custom) events. When a particular event occurs, all plugin functions of the type associated with the event are executed in sequence. [40]

The Jomres plugin (or minicomponents) handling functionality is designed to make it possible to allow developers to design and distribute additions and alterations to the standard Jomres functionality. All Jomres minicomponents are classes, so they shouldn't normally expose functionality via the url. However, a simple but effective extra layer of

security is to add

```
defined( '_JOMRES_INITCHECK' ) or die( '' );
```

G. Google Maps

Google Maps is an open free Maps service launched by Google. In June 2005, Google enabled developers to self-develop Google Maps service from launching API program. [41] It is a web-based mapping service which provides a slick, highly responsive visual interface built using AJAX technologies. This service has a detailed street and aerial imagery data, and an open API allowing customization of the map output including the ability to add application specific data on the map.

Google Maps include traditional map, satellite maps and mixed map of these three forms. Traditional map can plan route, provide guidance and help in directions. Satellite maps can get the current position of the real aerial view. Google Maps API recently issued a 3.0 version. Google Maps API is a function library based on JavaScript, and it is composed of classes with different function services. The functional classes in this system include: [42]

1. Basic functions of map such as GMap2 (creates maps), GUnload (unloads maps), GInfoWindow (creates information window), and GMapOptions

2. Event-driven mechanism such as click, move, zoom, open information window and then use GEventListener

3. Component such as the GLargeMapControl (controls zoom in), GSmallZoomControl (controls zoom out), and GMapTypeControl (controls map type)

4. Layers and superimposed layers such as GMarker and GIcon (creates tags), GPolyLine and GPolygon (creates polylines and polygons), and GOverlay and GTileLayerOverlay (creates layers and superimposed layers)

5. Asynchronous HTTP communication classes such as GXml, GXmlHttp, and GDownloadUrl

6. Services such as GClientGeocoder (address location and reverse address resolution), GLocalSearch (search surroundings), GDirections (driving routes, driving directions, travel patterns, backtrack routes, multi-point navigation), GStreetview (360°street map), and GTrafficOverlay (real-time traffic)

One advantage of Google Maps is map operation. As a map application, the convenience of map operation will determine the user's preferences a large extent. Google Maps is simple to operate, including the convenience of moving (mouse drag) and free scaling (mouse scroll zoom). Another is map pre-render. Map is not dynamically generated based on user's request, but rather pre-processed into image pyramids, diced doing quad-tree encoding, stored on the server side. Also, Google Maps can be achieved from spatial analysis function like measurement and path analysis. Google Maps now supports Google Maps Street View, a new feature. In street view, people can roam with 360°viewing angle in the virtual city streets, just the same as walking on a street in a real environment. Another important advantage is development costs. Google Maps is currently provided by the API for free resources; the user just needs to apply for a key to complete the correspondence development. Lastly, Google Maps provides a map service with vector maps and high-resolution satellite images of two data sources, and from time to time carried out by the Google Maps update, users can simultaneously enjoy the latest map information services. [43]

H. Google Directions

The Google Directions API is a service that calculates directions between locations using an HTTP request. The user can search for directions for several modes of transportation, include transit (requests directions via public transit routes where available), driving (indicates standard driving directions using the road network) , walking (requests walking

directions via pedestrian paths and sidewalks where available) or cycling (requests bicycling directions via bicycle paths and preferred streets where available). Directions may specify origins, destinations and waypoints either as text strings or as latitude/longitude coordinates. The Directions API can return multi-part directions using a series of waypoints. [44]

Calculating directions using a variety of methods of transportation is provided the `DirectionsService` object. This object communicates with the Google Maps API Directions Service which receives direction requests and returns computed results. [45]

I. Google Places

The Google Places API allows query for place information on a variety of categories, such as establishments, prominent points of interest, geographic locations, and more. Searching for places can either be by proximity or a text string. A Place Search returns a list of places along with summary information about each place; additional information is available via a Place Details query. A Nearby Search allows searching for places within a specified area. By supplying keywords or specifying the type of place can refine the search. The Text Search Service is a web service that returns information about a set of places based on a string. The service responds with a list of places matching the text string and any location bias that has been set. The search response will include a list of places. The Radar Search Service allows searching for up to 200 places at once, but with less detail than is typically returned from a Text Search or Nearby Search request. [46]

J. Forecast.io

Weather is the way the atmosphere is behaving, mainly with respect to its effects upon life and human activities. It consists of the short-term (minutes to months) changes in the atmosphere. Most people think of weather in terms of temperature, humidity, precipitation, cloudiness, brightness, visibility, wind, and atmospheric pressure, as in high and low pressure.

[47]

Forecast.io is a full-featured, global weather service, complete with 7-day forecasts that cover world, beautiful weather visualizations, and a time machine for exploring the weather in the past and far future. [48]

IV. Design and Implementation

A. Context Diagram

The actors or entities that may interact with the system include and are limited to the customer and the property administrator. The context diagram is shown in Figure 1.

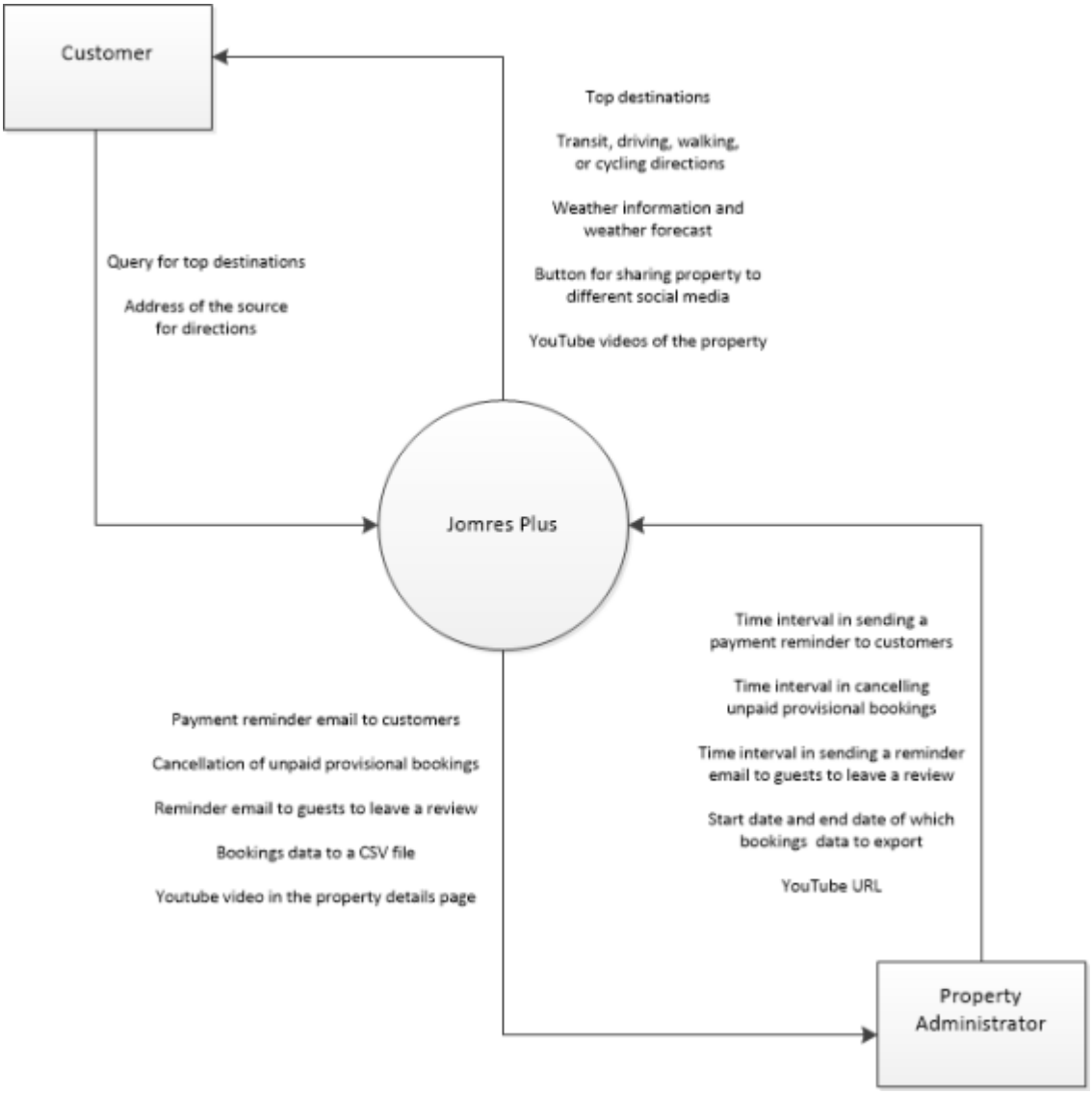


Figure 1: Context Diagram

B. Use-Case Diagram

The system has two users: the customer and the property administrator.

The customer can view and query top destinations by a text string like establishments, prominent points of interest, geographic locations, and events within the area of the property. Google Maps will display the places matching the text string. The customer can get transit, driving, walking, or cycling direction to the property from the user-defined address. The customer can also get the current weather information and weather forecast for one week based on property town and country using Forecast.io. The property can be shared to social media like Facebook, Twitter, Tumblr, Google Plus, and Pinterest, as well.

The property administrator can automatically send a payment reminder email to customers who made provisional bookings that are not paid within his chosen interval. He can also automatically cancel all provisional bookings that are not paid within his chosen interval. After it is canceled, the calendar will show the booked dates as available, so somebody else can book those days. The guest will receive a notification by email. Furthermore, the administrator can automatically send a reminder email to guests to leave a review of the property after a chosen interval from their departure date. Another is the ability to save or export bookings data which contains booking no., invoice no., arrival, departure, number of guests, guest name, landline, mobile, email, contract total, deposit required, deposit paid or not, extras, and a note if booking is canceled or not within a date range specified by the administrator to a comma-separated values (CSV) file that can be viewed in Microsoft Excel. The administrator can insert YouTube videos in the property details page. This can easily provide a video presentation of the property or tourist attractions from the surrounding area.

The use case diagram is shown in Figure 2. The detailed information about each use case is described with a use case description. The succeeding tables list and describe the processing details for the use case.

Figure 2: Use-Case Diagram

Use Case Name:	*View and query top destinations*
Scenario:	View and query top destinations like tourist spots and events within the area of the property using Google Maps
Triggering Event:	Customer goes to the home page of the property site and wants to view tourist attractions within the area.
Brief Description:	Customer goes to the home page of the property site. The customer can view the tourist attractions provided and can query other top destinations within the area.
Actor:	Customer
Related Use Cases:	*Get transit, driving, walking, or cycling directions* *Get current weather information and weather forecast*
Stakeholder:	Property Administrator: to encourage customers to book a room if the destinations they are looking for match their preferences
Precondition:	Google Maps that enables the users to search for destinations must be present.
Postcondition:	Markers together with the places' name should appear on the map. The customer can query other top destinations.
Flow of Activities:	1. **Actor**: Customer goes to the home page of the property. 2. **Plugin**: Provides default tourist attractions within the area by plotting markers with the places' name in the map 3. **Actor**: Customer views the top destinations and can query other keywords. 4. **Plugin**: Puts a new set of markers in the map together with the name of the places that matched with the customer's query
Exception Condition:	4. If nothing matched with the customer's query, the customer can input another keyword.

Table 1: Use Case Description for View and Query Top Destinations

Use Case Name:	*Get transit, driving, walking, or cycling directions*
Scenario:	Get transit, driving, walking, or cycling directions to the property from the user-given address and vice versa using Google Maps
Triggering Event:	Customer goes to the home page of the property site and wants to get directions.
Brief Description:	Customer goes to the home page of the property site where a map will be opened. The customer can get transit, driving, walking, or cycling directions to the property from the user-given address.
Actor:	Customer
Related Use Cases:	*View and query top destinations* *Get current weather information and weather forecast*
Stakeholder:	Property Administrator: to encourage customers to book a room and be familiarized with the place
Precondition:	Google Maps that enables the users to search for directions must be present.
Postcondition:	Directions should appear on the map. The customer can choose from transit, driving, walking, or cycling directions. Google Maps provides a couple of routes to choose from.
Flow of Activities:	1. **Actor**: Customer goes to the home page of the property and inputs an address. 2. **Plugin**: Provides transit, driving, walking, or cycling directions 3. **Actor**: Customer views the directions and routes. The given address can be changed. 4. **Plugin**: Provides new directions
Exception Condition:	4. If nothing matched with the customer's given address, the customer can input another address.

Table 2: Use Case Description for Get Transit, Driving, Walking, or Cycling Directions

Use Case Name:	*Get current weather information and weather forecast*
Scenario:	Get current weather information and weather forecast using Forecast.io.
Triggering Event:	Customer goes to the home page of the property site and wants to get current weather information and forecast.
Brief Description:	Customer goes to the home page of the property site. The customer can get the current weather information and weather forecast for the whole week.
Actor:	Customer
Related Use Cases:	*View and query top destinations* *Get transit, driving, walking, or cycling directions*
Stakeholder:	Property Administrator: to encourage customers to book a room with the appropriate things to bring and activities to do
Precondition:	Forecast.io weather information and weather forecast must be present.
Flow of Activities:	1. **Actor**: Customer goes to the home page of the property. 2. **Plugin**: Provides current weather information and weather forecast.

Table 3: Use Case Description for Get Current Weather Information and Weather Forecast

Use Case Name:	*Share property to social media*
Scenario:	Share property to Facebook, Twitter, Tumblr, Google Plus, and Pinterest
Triggering Event:	Customer goes to the home page of the property site and wants to share the property's site to social media.
Brief Description:	Customer goes to the home page of the property site. The customer can choose among Facebook, Twitter, Tumblr, Google Plus, and Pinterest to share the property to social media.
Actor:	Customer
Stakeholder:	Property Administrators: to promote the property
Precondition:	The customer has an account in the social media he will choose.
Postcondition:	The property will be shared, tweeted, saved, or pinned on the social media.
Flow of Activities:	1. **Actor**: Customer goes to the home page of the property and chooses among Facebook, Twitter, Tumblr, Google Plus, and Pinterest. 2. **Plugin**: Shares, tweets, or pins the property on the chosen social media
Exception Condition:	2. If the customer has no account in the social media, he can choose from the remaining choices.

Table 4: Use Case Description for Share Property to Social Media

Use Case Name:	*Automatically send a payment reminder email to customers*
Scenario:	Automatically send a payment reminder email to customers who made provisional bookings that are not paid within a chosen interval
Triggering Event:	A customer who already booked a room has not paid the remaining balance on or before the deadline set by the admin.
Brief Description:	Property administrator goes to the settings page. The admin chooses the time interval before the payment reminder email will be sent.
Actor:	Property administrator
Related Use Cases:	*Manually or automatically cancel unpaid provisional bookings* *Automatically send a reminder email to guests to leave a review*
Stakeholder:	Property administrator
Precondition:	The customer has provided an email address.
Postcondition:	An email reminding the customer to pay will be sent automatically.
Flow of Activities:	1. **Actor**: Property administrator goes to the settings page. 2. **Plugin**: Allows the admin to choose a time interval 3. **Actor**: Admin chooses and applies them. 4. **Plugin**: Automatically sends payment reminder email
Exception Condition:	4. If the customer did not provide an email address, the admin may have to contact the customer by other means.

Table 5: Use Case Description for Automatically Send a Payment Reminder Email to Customers

Use Case Name:	*Manually or automatically cancel unpaid provisional bookings*
Scenario:	Manually or automatically cancel provisional bookings that are paid within a chosen interval
Triggering Event:	A customer who already booked a room was not able to pay the remaining balance on or before the deadline set by the admin.
Brief Description:	Property administrator goes to the settings page. The admin chooses the time interval before the unpaid provisional bookings will be canceled.
Actor:	Property administrator
Related Use Cases:	*Automatically send a payment reminder email to customers* *Automatically send a reminder email to guests to leave a review*
Stakeholder:	Property administrator
Postcondition:	The unpaid provisional bookings will be canceled.
Flow of Activities:	1. **Actor**: Property administrator goes to the settings page. 2. **Plugin**: Allows the admin to choose a time interval or to do the cancelling manually 3. **Actor**: Admin chooses and applies them. 4. **Plugin**: Automatically sends the cancelled booking email if a time interval is chosen

Table 6: Use Case Description for Manually or Automatically Cancel Unpaid Provisional Bookings

Use Case Name:	*Automatically send a reminder email to guests to leave a review*
Scenario:	Automatically send a reminder email to guests to leave a review of the property they stayed at after a chosen interval from their departure date
Triggering Event:	A customer who checked out of the property may want to leave reviews, comments, and suggestions.
Brief Description:	Property administrator goes to the settings page. The admin chooses the time interval from the departure date before the review reminder email will be sent to the guests.
Actor:	Property administrator
Related Use Cases:	*Automatically send a payment reminder email to customers* *Manually or automatically cancel unpaid provisional bookings*
Stakeholder:	Property administrator
Precondition:	The customer has provided an email address.
Postcondition:	An email regarding leaving a review of the property will be sent.
Flow of Activities:	1. **Actor**: Property administrator goes to the settings page. 2. **Plugin**: Allows the admin to choose a time interval 3. **Actor**: Admin chooses and applies them. 4. **Plugin**: Automatically sends the review reminder email to the customers
Exception Condition:	4. If the customer did not provide an email address, the admin may have to contact the customer by other means.

Table 7: Use Case Description for Automatically Send a Reminder Email to Guests to Leave a Review

Use Case Name:	*Export bookings data to a CSV file*
Scenario:	Export bookings data within a specific range of dates which contains booking no., invoice no., arrival, departure, number of guests, guest name, landline, mobile, email, contract total, deposit required, deposit paid or not, extras, and a note if booking is cancelled or not to a CSV file for backup
Triggering Event:	Property administrator wants to have an offline copy of the bookings data that can be viewed in Microsoft Excel for backup purposes.
Brief Description:	Property administrator goes to the settings page.
Actor:	Property administrator
Stakeholder:	Property administrator: to have a backup copy of the bookings data
Precondition:	The administrator has provided the start date and end date of which bookings to export.
Postcondition:	The bookings data will be exported to a CSV file and can be viewed in Microsoft Excel.
Flow of Activities:	1. **Actor**: Property administrator goes to the bookings page. 2. **Plugin**: Allows the admin input the start date and end date. 3. **Actor**: Admin clicks "Export". 4. **Plugin**: Exports the bookings data to a CSV and saves it to the admin's computer

Table 8: Use Case Description for Export Bookings Data to a CSV File

Use Case Name:	*Insert YouTube videos in the property details page*
Scenario:	Insert YouTube videos in the home page of the property where the details about the hotel can be viewed
Triggering Event:	Property administrator wants to insert YouTube videos in the property details page aside from the slideshow of pictures.
Brief Description:	Property administrator goes to the home page. The admin inputs the URL of the YouTube video to insert a video presentation of the property or tourist attractions from the surrounding area.
Actor:	Property administrator
Stakeholder:	Property administrator
Precondition:	The URL of the YouTube video about the property exists.
Postcondition:	The YouTube video will be inserted in the property details page.
Flow of Activities:	1. **Actor**: Property administrator goes to the home page. 2. **Plugin**: Allows the admin to add and remove the URL of the YouTube video 3. **Actor**: Admin inputs the URL. 4. **Plugin**: Inserts the YouTube videos in the property details page

Table 9: Use Case Description for Insert YouTube Videos in the Property Details Page

C. Entity Relationship Diagram

Jomres' database is altered to store the URL of the property's YouTube video, when to send the payment reminder email and customer feedback reminder email, and when to cancel an unpaid booking. Columns `arrival_time` and `departure_time` in the table `wp_jomres_contracts` are added as seen in 5. Figures 4 and 3 show `wp_jomresplus_you-`

tube and wp_jomresplus_search respectively. The remaining tables of Jomres' database are left unchanged.

wp_jomres_contracts	
PK	contracts_uid
	arrival
	departure
	rates_uid
	guest_uid
	rate_rules
	rooms_tariffs
	deposit_paid
	contract_total
	deposit_ref
	payment_ref
	special_reqs
	deposit_required
	newsletters
	currency
	adults
	children
	date_range_string
	booked_in
	booked_out
	true_arrival
	property_uid
	cot_required
	single_person_suppliment
	multi_room_booking
	smoking
	extras
	extrasquantities
	extrasvalue
	tax
	tag
	timestamp
	room_total
	discount
	currency_code
	cancelled
	cancelled_timestamp
	cancelled_reason
	discount_details
	username
	coupon_id
	bookedout
	bookedout_timestamp
	invoice_uid
	channel_manager_booking
	approved
	booking_data_archive_id
	secret_key
	secret_key_used
	booking_language
	last_changed
	departure_time
	arrival_time

Figure 3: Contracts Table

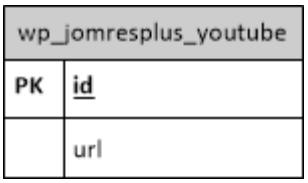


Figure 4: Table for Inserting YouTube videos

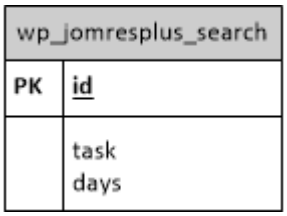


Figure 5: Table for Searching Bookings

D. Data Dictionary

Field	Type	Description
departure_time	timestamp	Departure date converted into a timestamp
arrival_time	timestamp	Arrival date converted into a timestamp

Table 10: Added column in the `wp_jomres_contracts` table

Field	Type	Description
id	int(11)	Identifier of the YouTube URL
url	varchar(2083)	URL of the YouTube video

Table 11: `wp_jomresplus_youtube` table

Field	Type	Description
id	int(11)	Primary key; unique identifier for searching bookings
task	varchar(255)	Task's name
days	int(11)	Number of days chosen by the administrator

Table 12: `wp_jomresplus_search` table

E. Connecting to Jomres

The Jomres plugin handling functionality is designed to make it possible to allow third party developers to design and distribute additions and alterations to the standard Jomres functionality. Figure 6 shows the files of the `jomres` folder once it is installed in Wordpress or Joomla. The plugin to be created, which will be enclosed in a separate folder, is placed inside the `remote_plugins` folder.

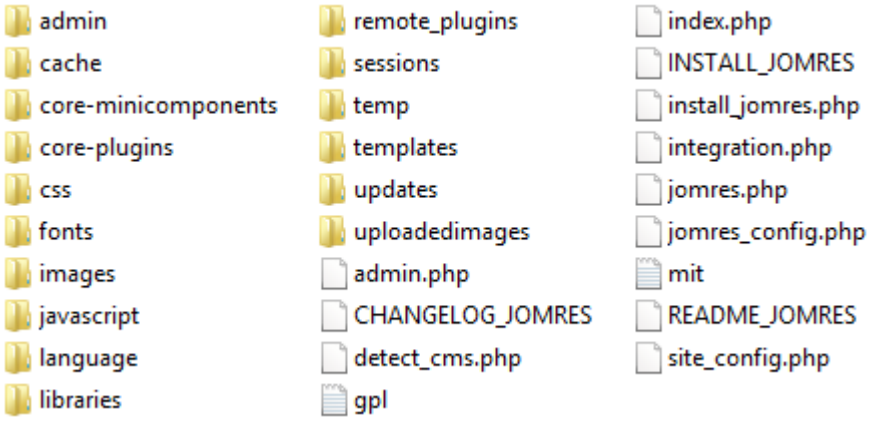


Figure 6: Jomres

It should be ensured that none of the plugin scripts can be called except by Jomres itself to reduce the likelihood of attackers compromising the server by bypassing security features and calling files directly. All Jomres minicomponents are classes, so they shouldn't normally expose functionality via the url. However a simple but effective extra layer of security is to add the following line to the top of the minicomponents and other php files.

```
defined( '_JOMRES_INITCHECK' ) or die( '' );
```

Plugin names are words seperated by underscores because Jomres needs to know the name of the class to run within the `plugin_info.php`. [49]

F. Connecting to Google API

All Maps API applications should load the Maps API using an API key to monitor the application's Maps API usage. To create an API key, visit the APIs Console and log in with a Google Account. Click the Services link from the left-hand menu and activate the Google Maps JavaScript API v3 service. Click the API Access link and the API key is available from the API Access page, in the Simple API Access section. Maps API applications use the Key for browser apps. The URL contained in the `script` tag is the location of a JavaScript file that loads all of the symbols and definitions needed for using the Google Maps API. The key parameter of the `script` tag contains the application's API key. [50]

The customer can view and query top destinations by a text string like establishments, prominent points of interest, geographic locations, and events within the area of the property using Google Places API of Google Maps. The customer can get transit, driving, walking, or cycling direction to the property from the user-defined address using Google Directions API of Google Maps. The customer can also get the current weather information and forecast for the next three days using the Weather Layer of Google Maps.

G. Connecting to Social Media

1. Facebook API

   The Share button allows people to add a personalized message to links before sharing on their timeline, in groups, or to their friends via a Facebook Message. The plugin code is generated and the JavaScript SDK should be included on the page once, ideally right after the opening `<body>` tag. [51]

2. Twitter API

   The Tweet Button is a small widget that allows the users to easily share websites with their followers. The easiest way to add the Tweet Button to a website is using JavaScript. This method requires adding a line of JavaScript and an HTML anchor

to the webpage. Using this method, the Tweet Button can be customized using `data` attributes and query string parameters. [52]

3. Tumblr API

   The Tumblr API is implemented over standard HTTP requests. This allows Tumblr to be integrated with just about any application that can connect to the web. All Tumblr API requests start with `api.tumblr.com`. The next segment of the URI path depends on the type of request: get blog data or write to a blog and get user data or perform user actions. [53]

4. Google Plus API

   The Google+ API is the programming interface to Google+. The API is used to integrate an app or website with Google+. This enables users to connect with each other for maximum engagement using Google+ features from within an application. The simplest way to include a share button on a page is just by including the necessary JavaScript and adding a share tag. [54]

5. Pinterest API

   The Pin It button makes it simple for people to save and share things they find on a website. These Pins link back to the website and increase the spread of the content across Pinterest. Integrating the Pin It button can be done by HTML and JavaScript. [55]

ShareThis is used to achieve this goal. It is a widget that lets people share content from the web via social media by first choosing a platform, selecting a style, and customizing the selected services (sharing buttons or other social plugins).

H. System Architecture

The plugin is written in PHP. Figure 7 shows the system architecture. For the plugin views, which interacts with and are visible to the users and admin, HTML, Bootstrap, CSS,

jQuery, and Javascript are used to render the user interface. The MySQL database queries are conveniently in written PHP as well.

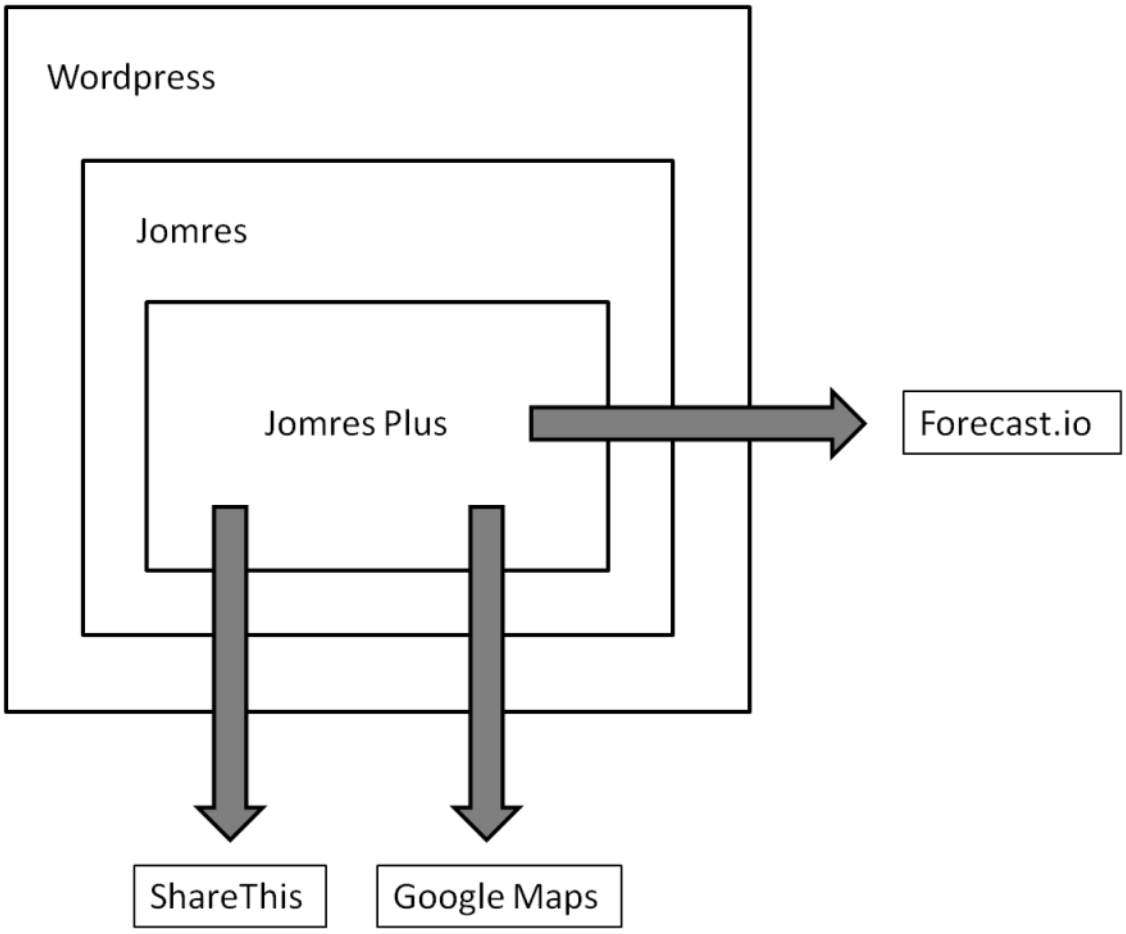


Figure 7: System Architecture

I. Technical Architecture

The plugin is a ZIP file and installed on Wordpress with Jomres. The minimum system requirements inlude:

1. PHP Version 5.4

2. MySQL Version 5.5

3. Wordpress Version 3.8

4. Jomres Version 8.1.14

5. PHP Server (Apache 2.2.22)

6. Excel File Viewer

V. Results

Before installing the plugin, it is assumed that Jomres is installed on the WordPress or Joomla page. Figures 8, 9, and 9 show what the property details page looks like.

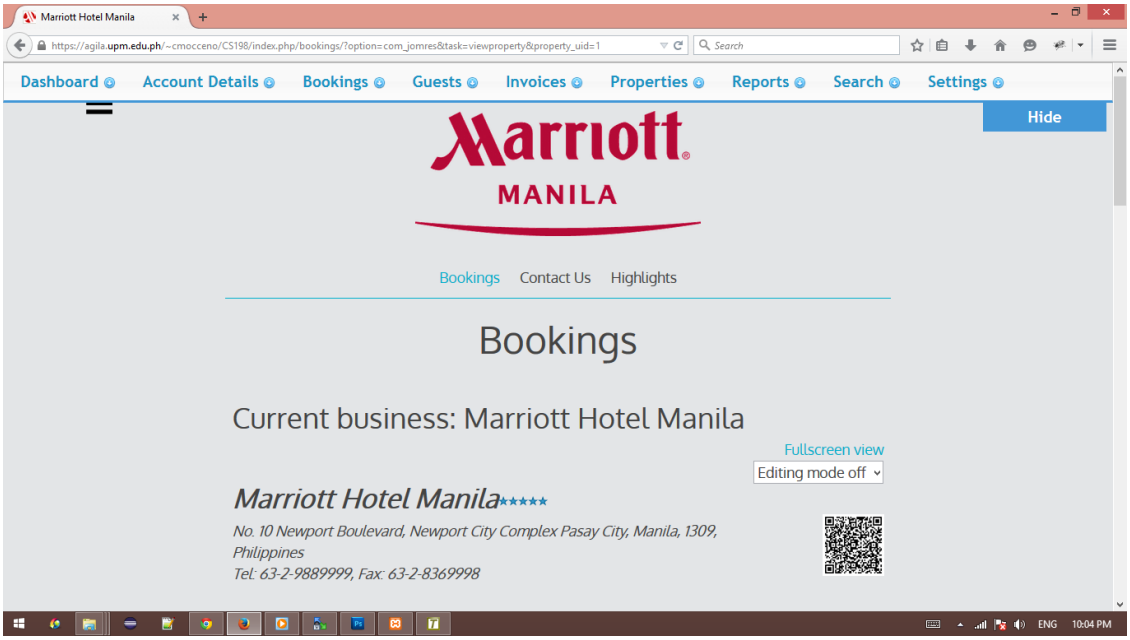


Figure 8: Property Details Page 1

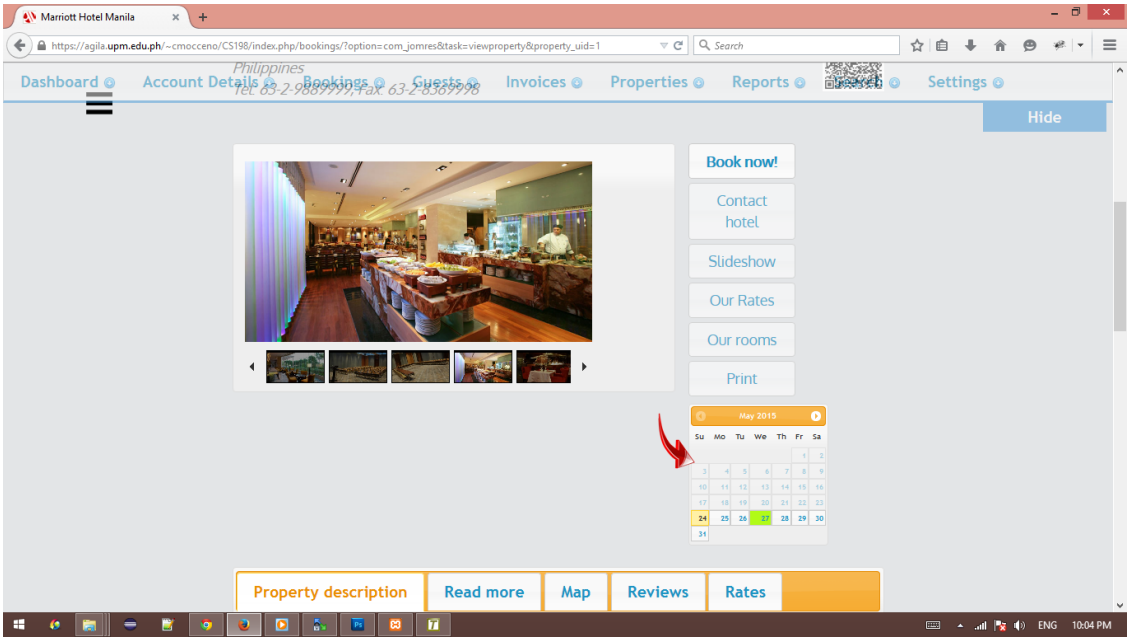


Figure 9: Property Details Page 2

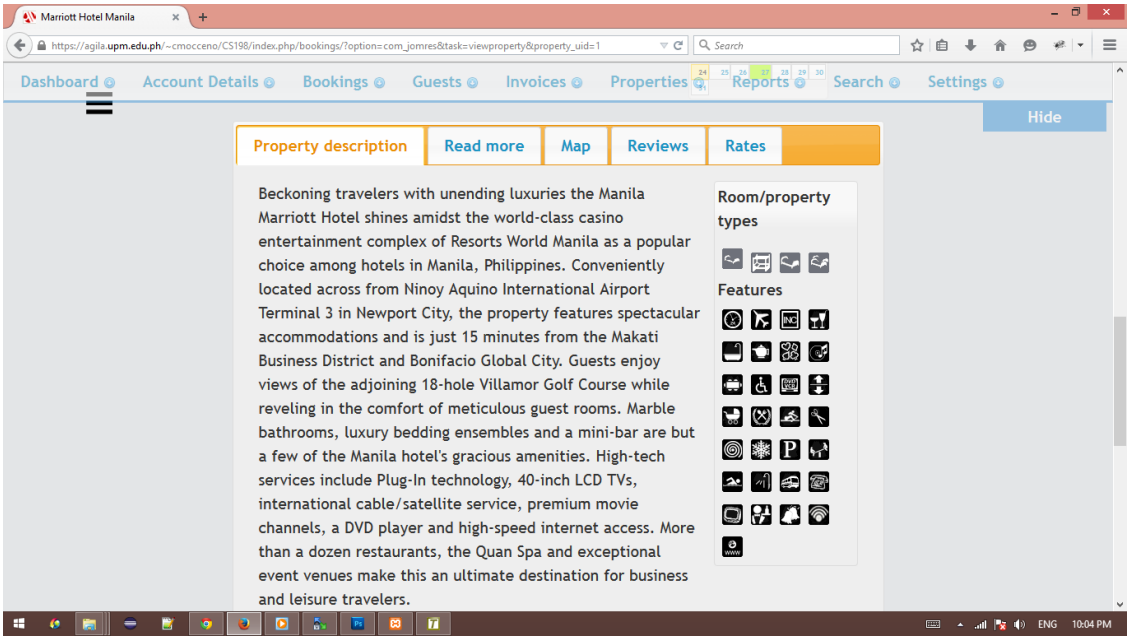


Figure 10: Property Details Page 3

Through the plugin manager in the control panel, Jomres Plus can be installed by uploading the ZIP file. The plugin manager is also used to uninstall third party plugins as seen in Figure 11.

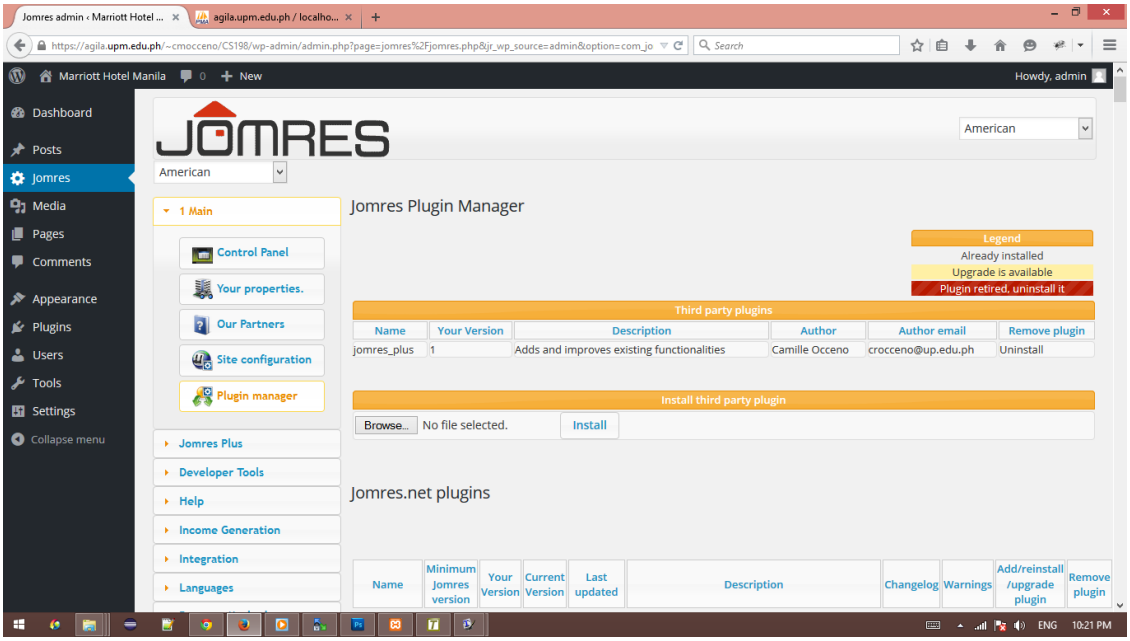


Figure 11: Plugin Manager

A. Property Administrator

Jomres Plus' functionalities for the property administrator can be seen in the Jomres Control Panel. Figure 12 shows the payment reminder feature which automatically sends an email to customers. When the emails are sent, it will notify the administrator regarding how many customers made provisional bookings that are not paid within a chosen interval as seen in 13.

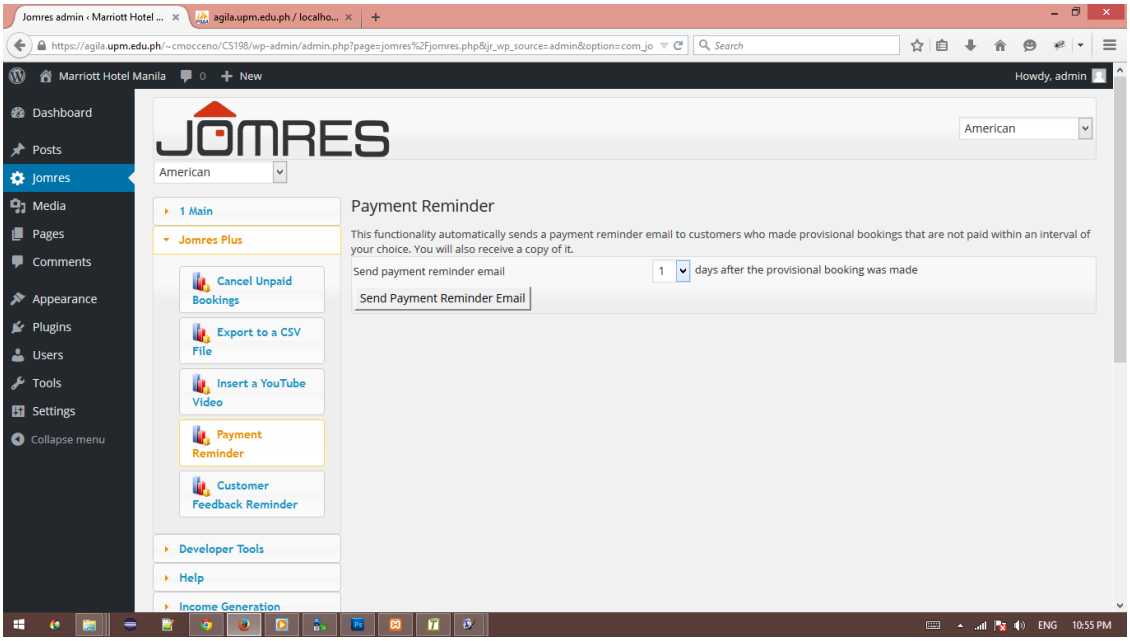


Figure 12: Payment Reminder

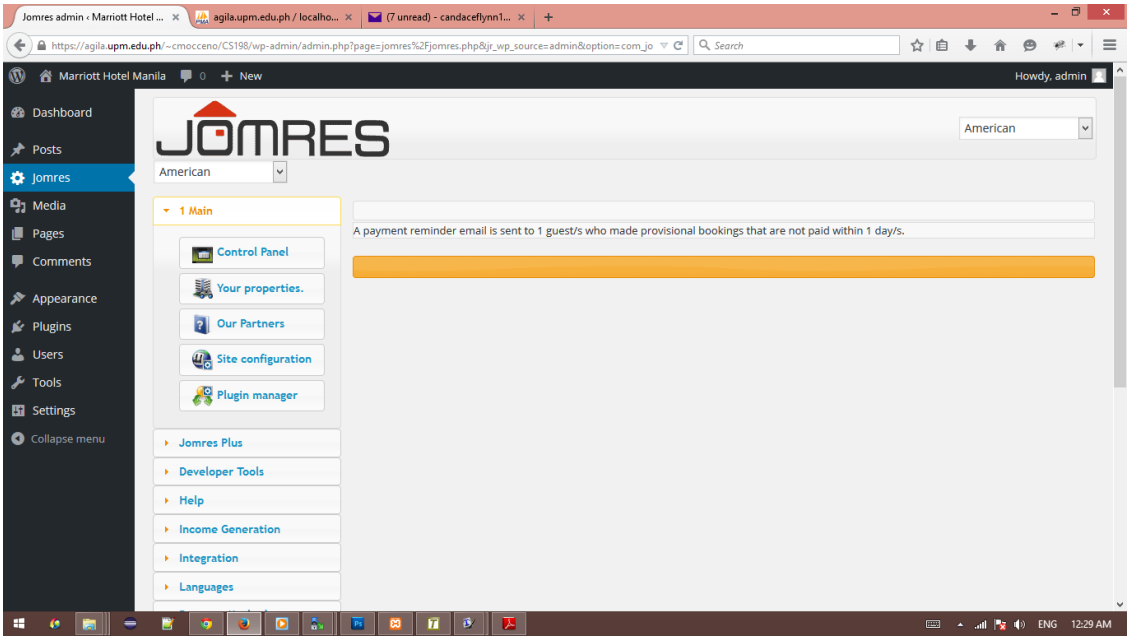


Figure 13: Payment Reminder Sent

Figure 14 shows what a payment reminder email looks like.

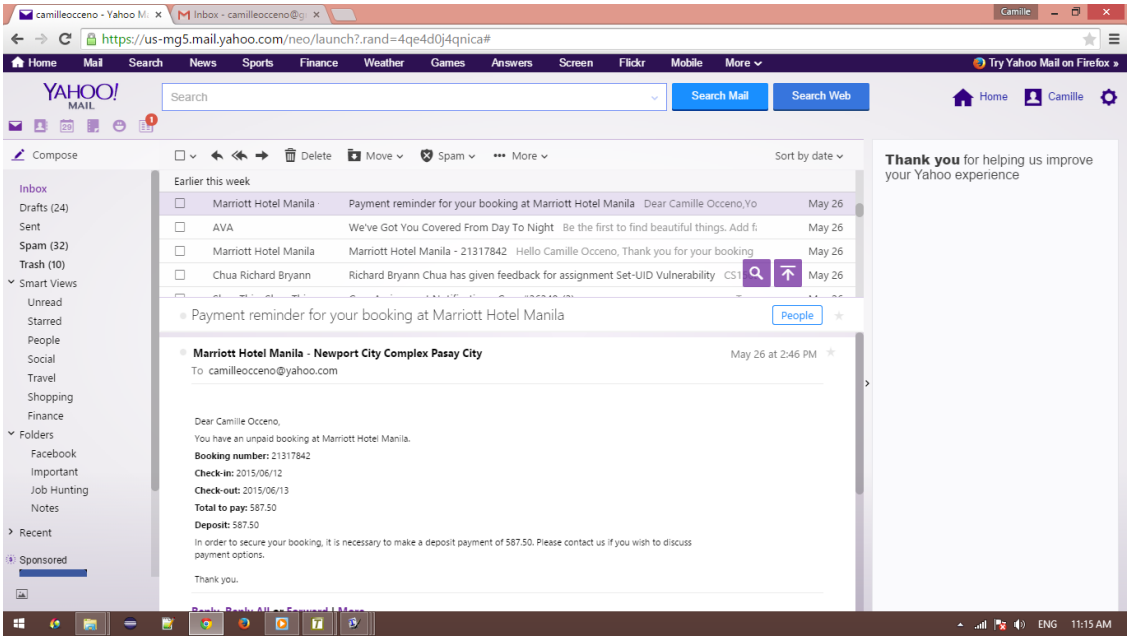


Figure 14: Payment Reminder Email

Figure 15 shows the cancel unpaid bookings feature which allows the administrator to automatically cancel provisional bookings. When the bookings are canceled, it will notify the administrator regarding how many customers are not paid within a chosen interval as seen in 16.

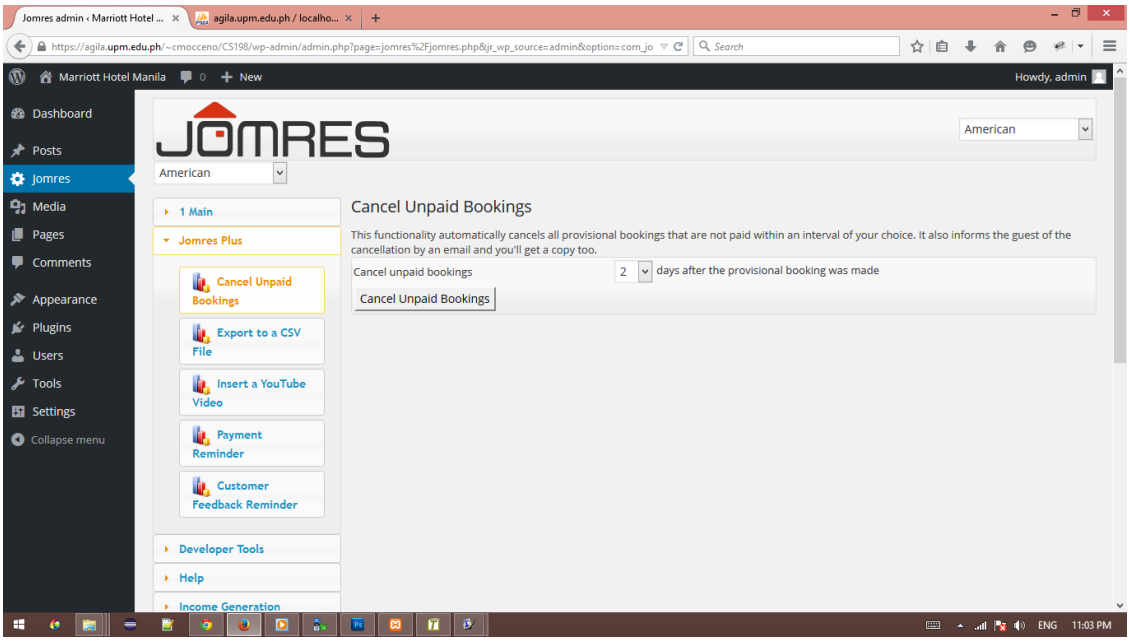


Figure 15: Cancel Unpaid Bookings

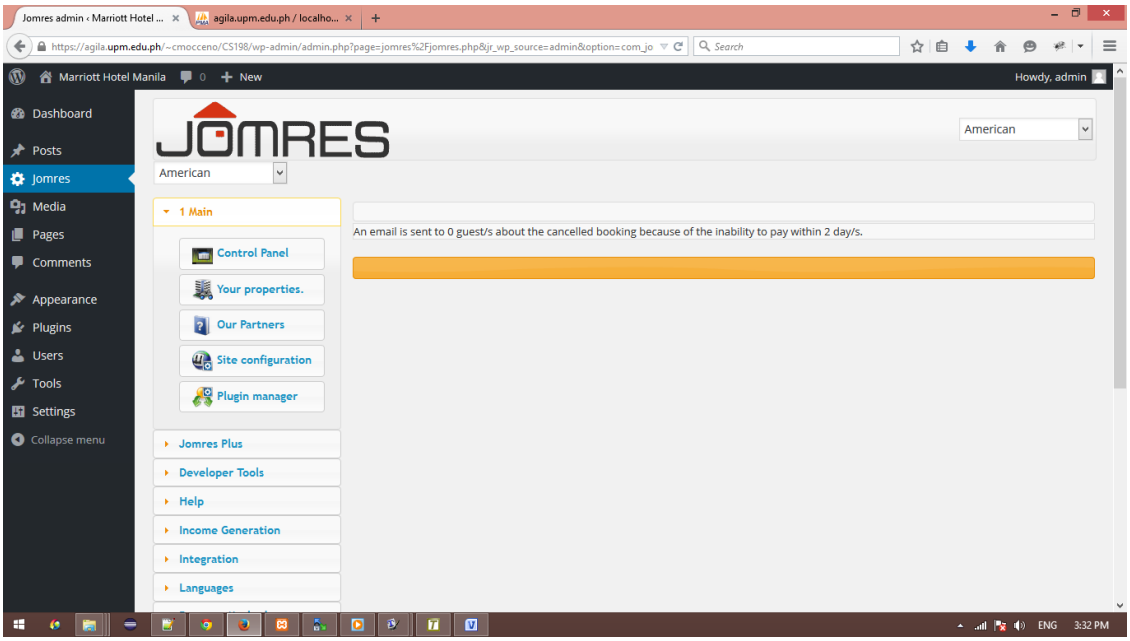


Figure 16: Cancelled Unpaid Bookings

Figure 17 shows what a cancelled unpaid booking email notification looks like.

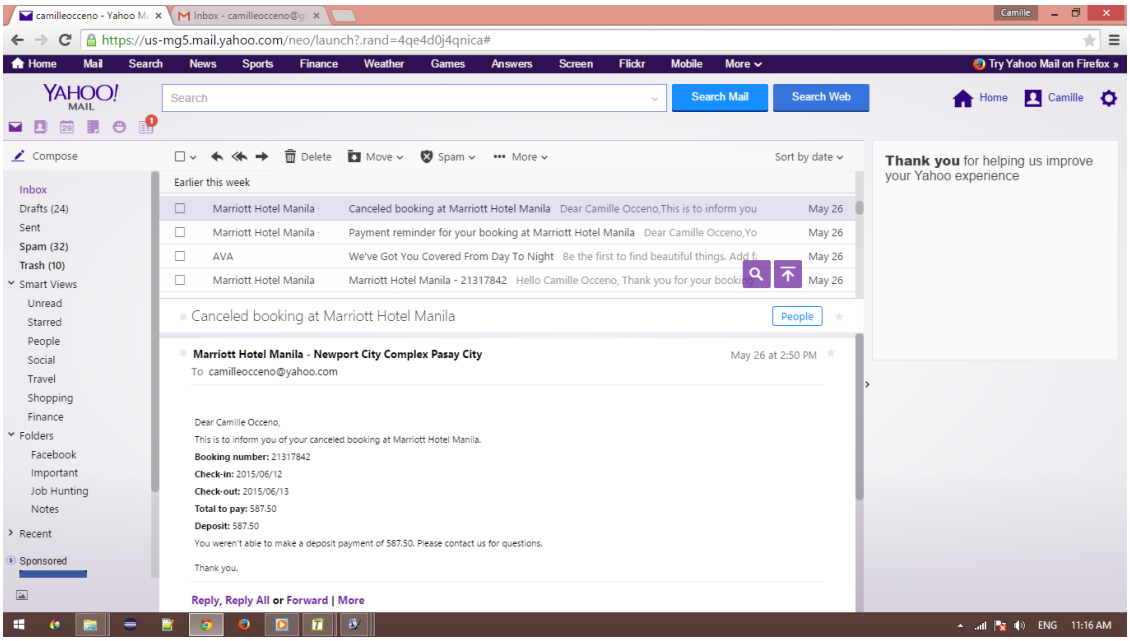


Figure 17: Cancel Unpaid Booking Email

Figure 18 shows the customer feedback reminder feature which automatically sends an email to guests to leave a review of the property they stayed at after a chosen interval

from their departure date. When the emails are sent, it will notify the administrator as seen in 19.

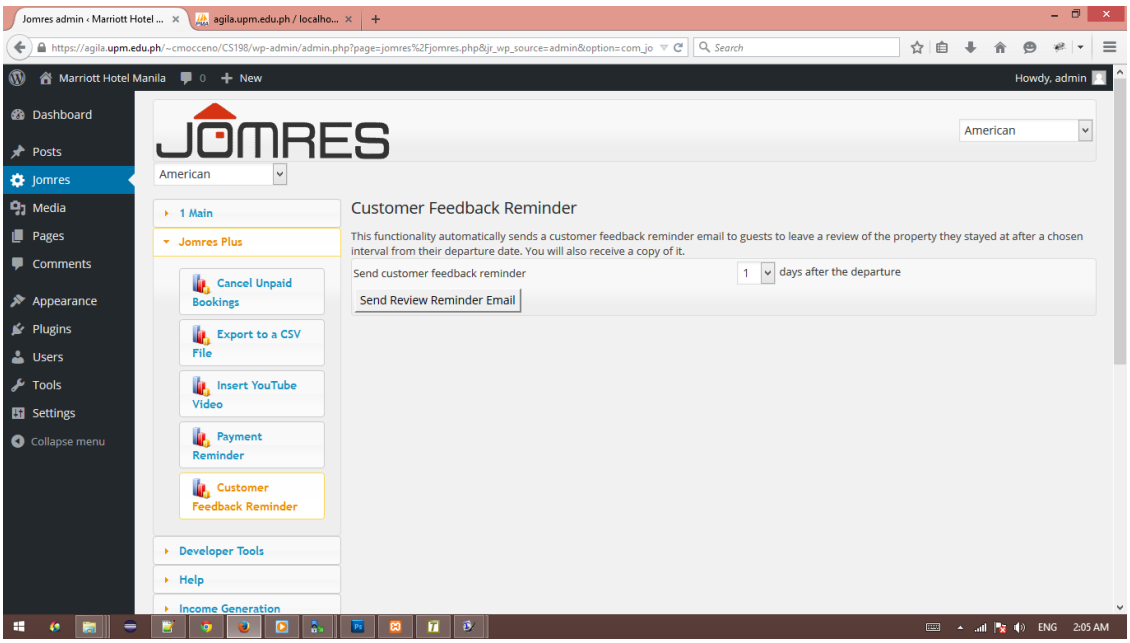


Figure 18: Customer Feedback Reminder

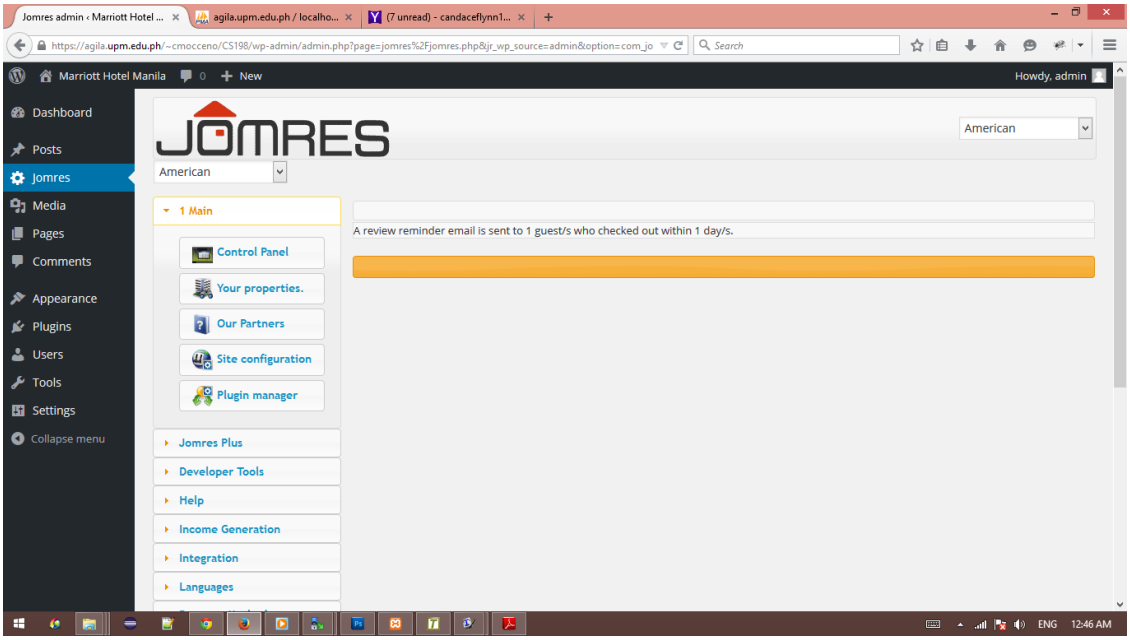


Figure 19: Customer Feedback Reminder Sent

Figure 20 shows what a customer feedback reminder email looks like.

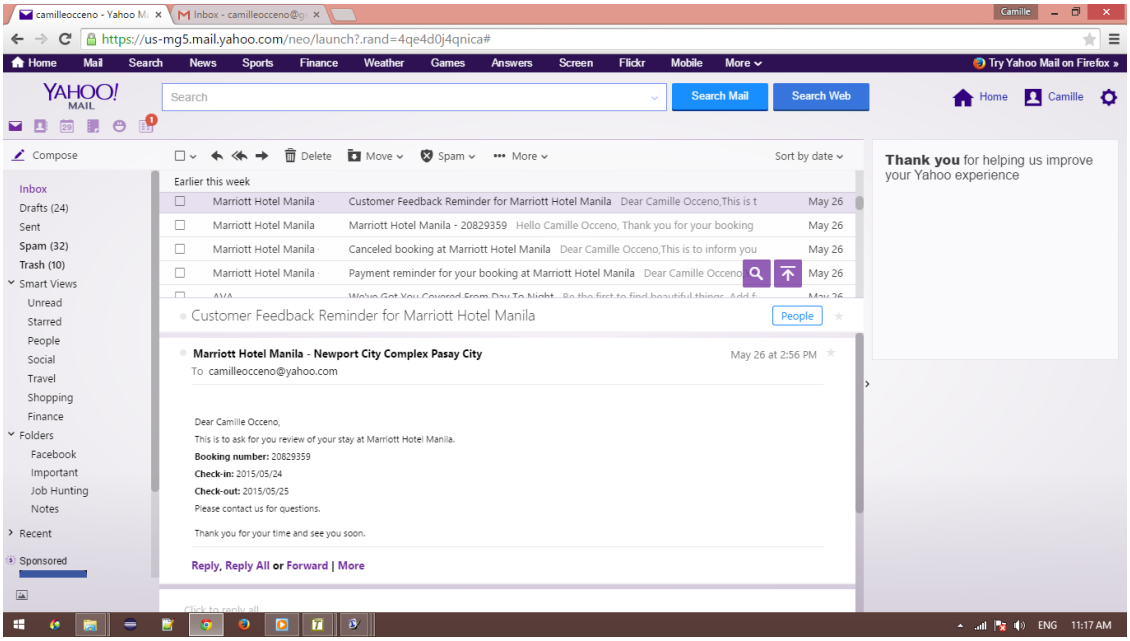


Figure 20: Customer Feedback Reminder Email

Figure 21 shows how the administrator can export data from a specified date range which contains booking no., invoice no., arrival, departure, number of guests, guest name, landline, mobile, email, contract total, deposit required, deposit paid or not, extras, and a note if booking is canceled or not to a CSV file.

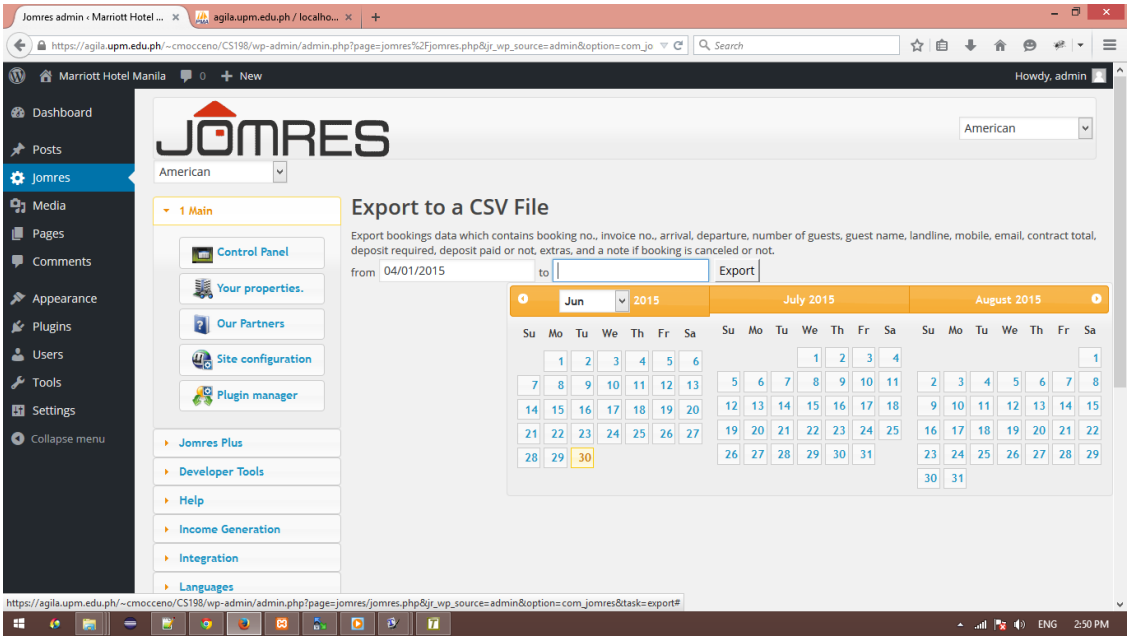


Figure 21: Export to a CSV File

Figures 22 and 23 show that the bookings data can be saved to the administrator's machine.

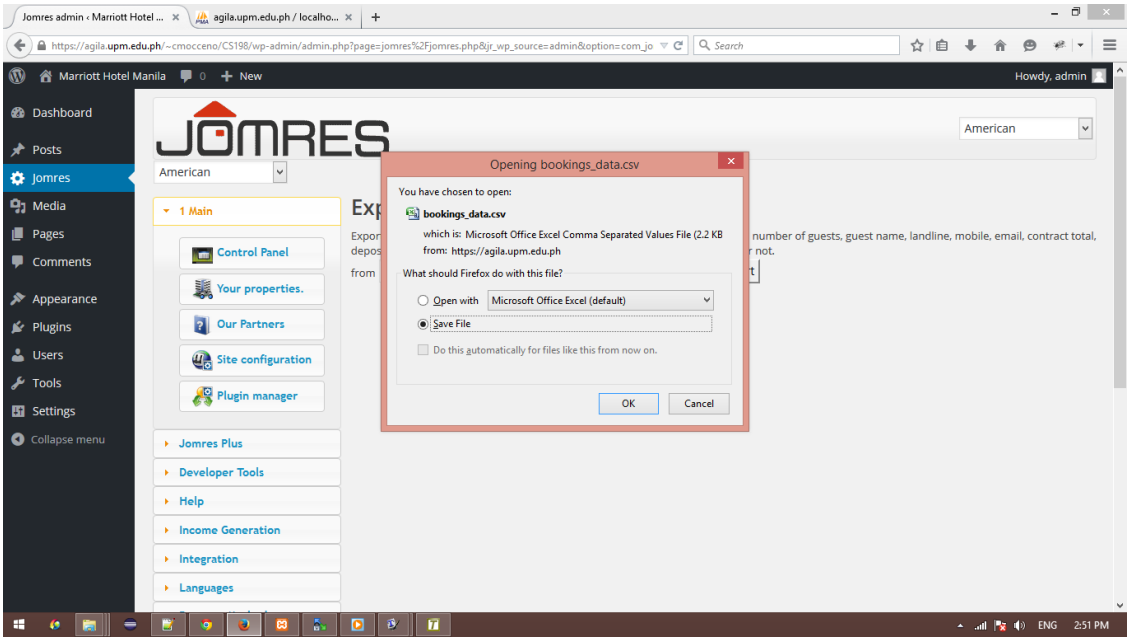
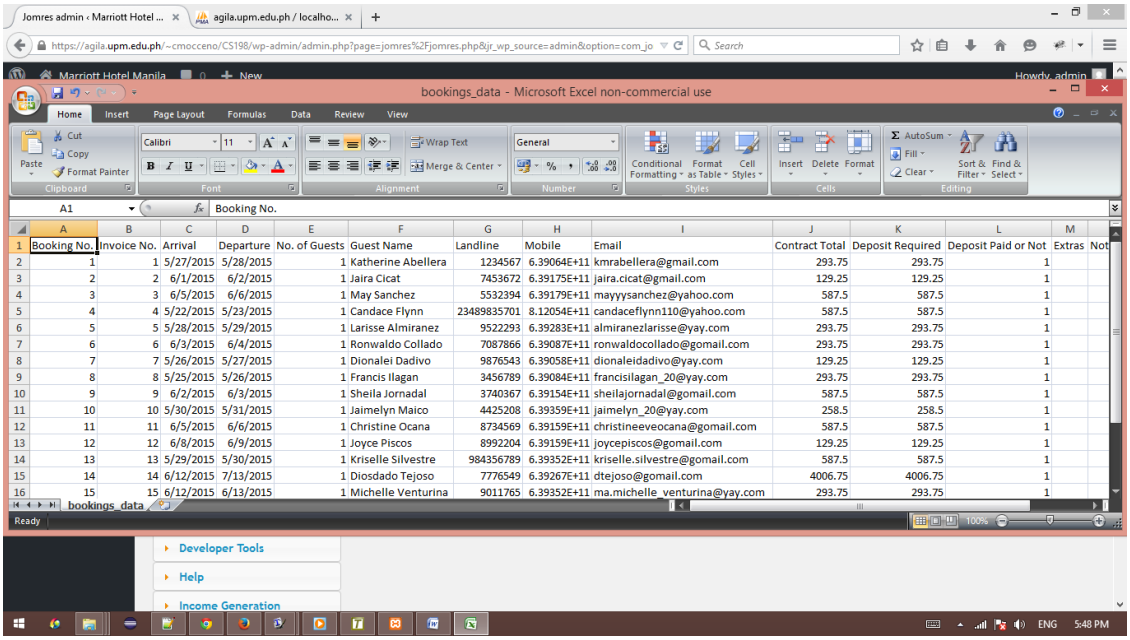


Figure 22: Saving the CSV File



Booking No.	Invoice No.	Arrival	Departure	No. of Guests	Guest Name	Landline	Mobile	Email	Contract Total	Deposit Required	Deposit Paid or Not	Extras	Not
1	1	5/27/2015	5/28/2015	1	Katherine Abellera	1234567	6.39064E+11	kmrabellera@gmail.com	293.75	293.75	1		
2	2	6/1/2015	6/2/2015	1	Jaira Cicat	7453672	6.39175E+11	jaira.cicat@gmail.com	129.25	129.25	1		
3	3	6/5/2015	6/6/2015	1	May Sanchez	5532394	6.39179E+11	mayysanchez@yahoo.com	587.5	587.5	1		
4	4	5/22/2015	5/23/2015	1	Candace Flynn	23489835701	8.12054E+11	candaceflynn110@yahoo.com	587.5	587.5	1		
5	5	5/28/2015	5/29/2015	1	Larisse Almiranez	9522293	6.39283E+11	almiranezlarisse@yay.com	293.75	293.75	1		
6	6	6/3/2015	6/4/2015	1	Ronwaldo Collado	7087866	6.39087E+11	ronwaldocollado@gomail.com	293.75	293.75	1		
7	7	5/26/2015	5/27/2015	1	Dionalei Dadivo	9876543	6.39058E+11	dionaleidadivo@yay.com	129.25	129.25	1		
8	8	5/25/2015	5/26/2015	1	Francis Ilagan	3456789	6.39084E+11	francisilagan_20@yay.com	293.75	293.75	1		
9	9	6/2/2015	6/3/2015	1	Sheila Jornadal	3740367	6.39154E+11	sheilajornadal@gomail.com	587.5	587.5	1		
10	10	5/30/2015	5/31/2015	1	Jaimelyn Maico	4425208	6.39359E+11	jaimelyn_20@yay.com	258.5	258.5	1		
11	11	6/5/2015	6/6/2015	1	Christine Ocana	8734569	6.39159E+11	christineeveocana@gomail.com	587.5	587.5	1		
12	12	6/8/2015	6/9/2015	1	Joyce Piscos	8992204	6.39159E+11	joycepiscos@gomail.com	129.25	129.25	1		
13	13	5/29/2015	5/30/2015	1	Krisselle Silvestre	984356789	6.39352E+11	krisselle.silvestre@gomail.com	587.5	587.5	1		
14	14	6/12/2015	7/13/2015	1	Diosdado Tejoso	7776549	6.39267E+11	dtejoso@gomail.com	4006.75	4006.75	1		
15	15	6/12/2015	6/13/2015	1	Michelle Venturina	9011765	6.39352E+11	ma.michelle_venturina@yay.com	293.75	293.75	1		

Figure 24 shows how the administrator can add YouTube videos to the property details page. After the videos are added, there will be a confirmation page as seen in FIgure 25.

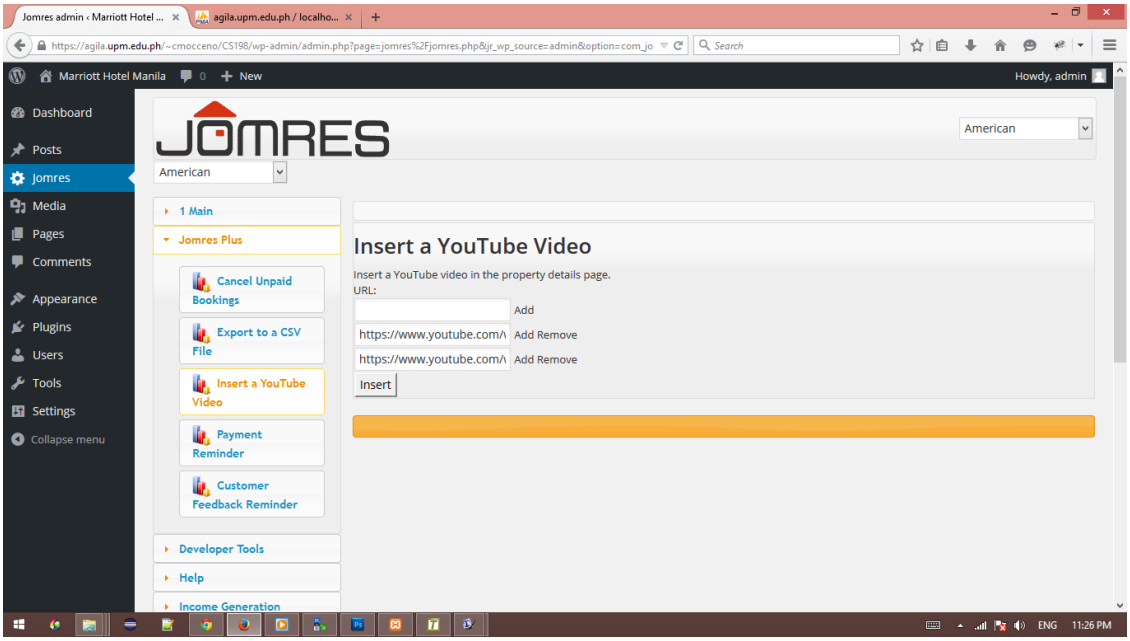


Figure 24: Insert YouTube Video

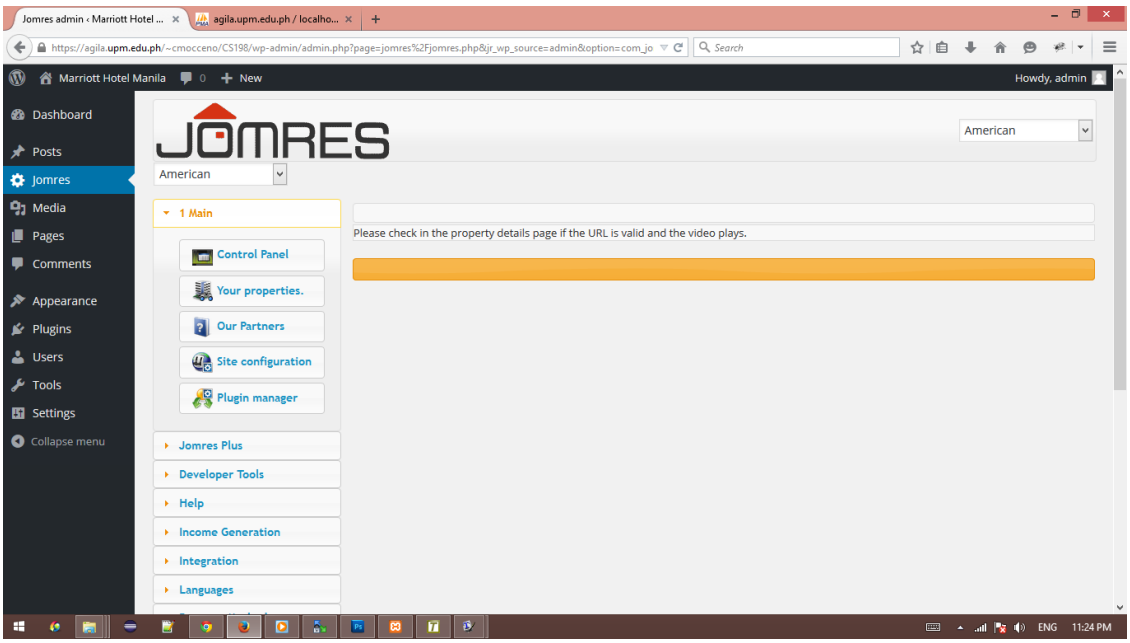


Figure 25: YouTube Videos Added

B. Customer

The customer can get directions to the property by providing the address of his source as shown in Figure 26. When the Get Directions button is clicked, a new tab will open as seen in Figure 27 that shows what Google Maps has to offer.

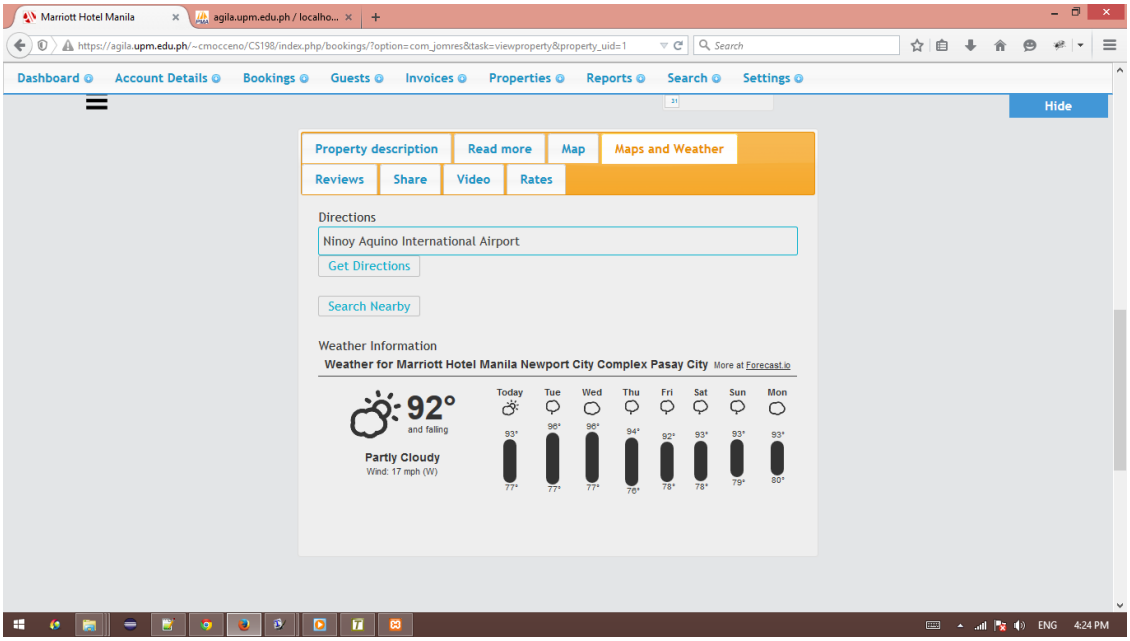


Figure 26: Get Directions

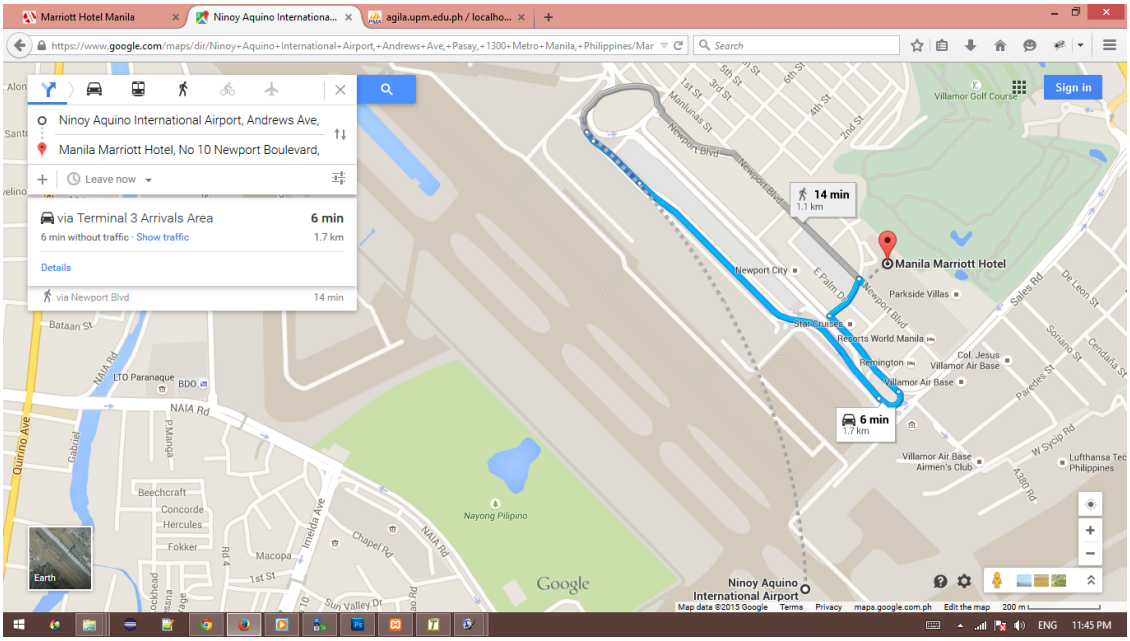


Figure 27: Google Maps' Directions

The customer can search nearby top destinations or tourist attractions by clicking the Search Nearby button and providing what his query in the search box as seen in Figure 28.

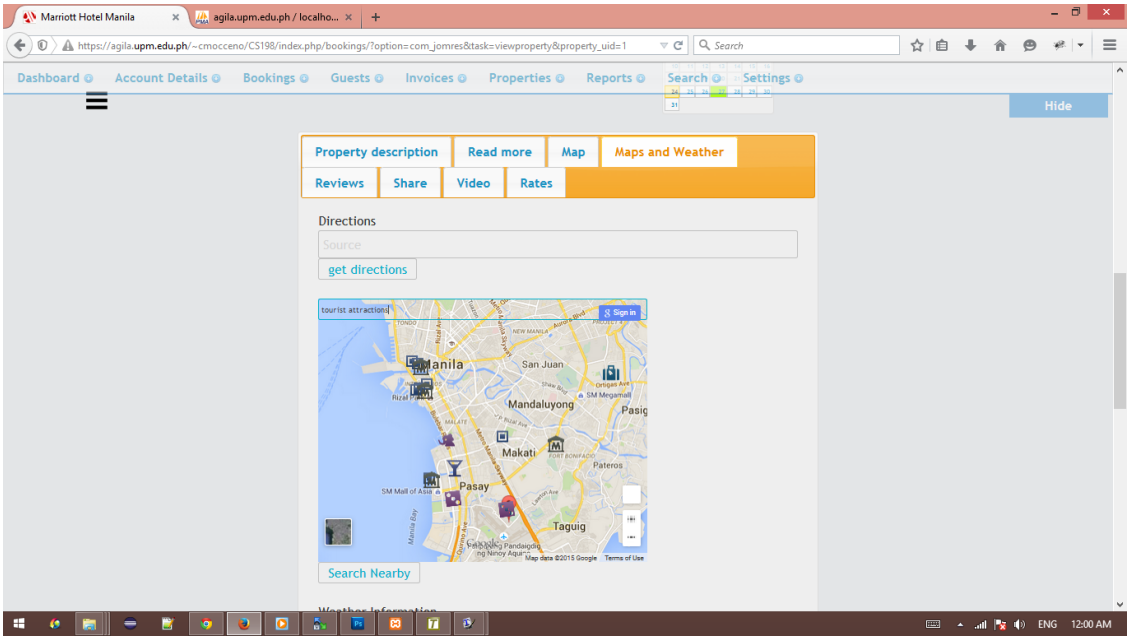


Figure 28: Search Nearby

Figure 29 shows that the customer is also given the weather information and weather forecast by Forecast.io.

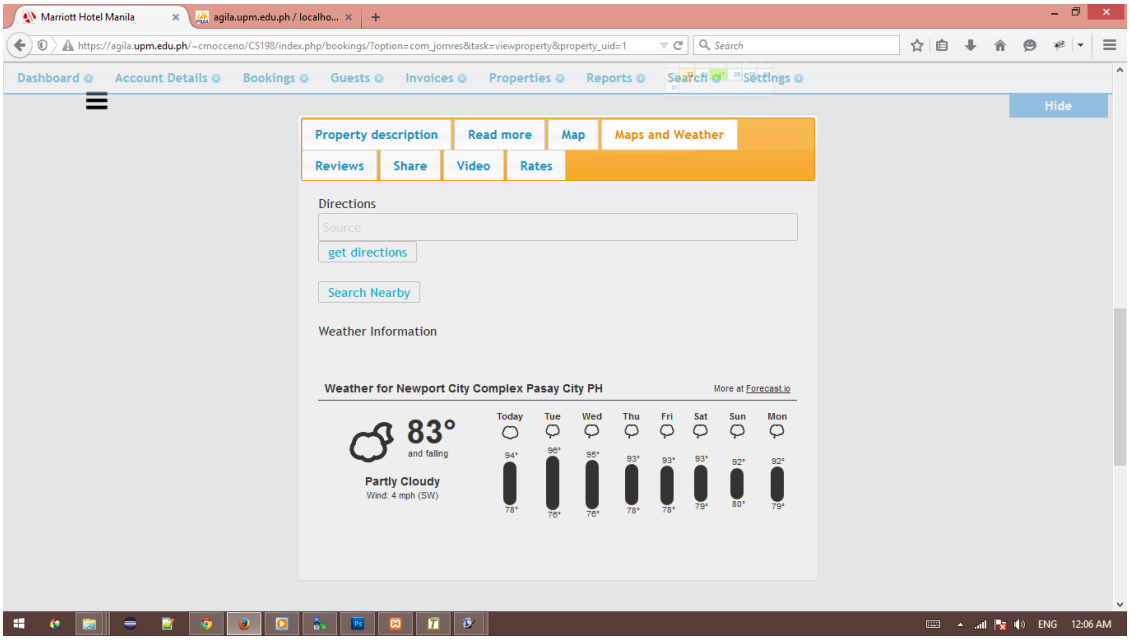


Figure 29: Weather Information and Forecast

Figure 30 shows the YouTube videos in the property details page which were added by the administrator.

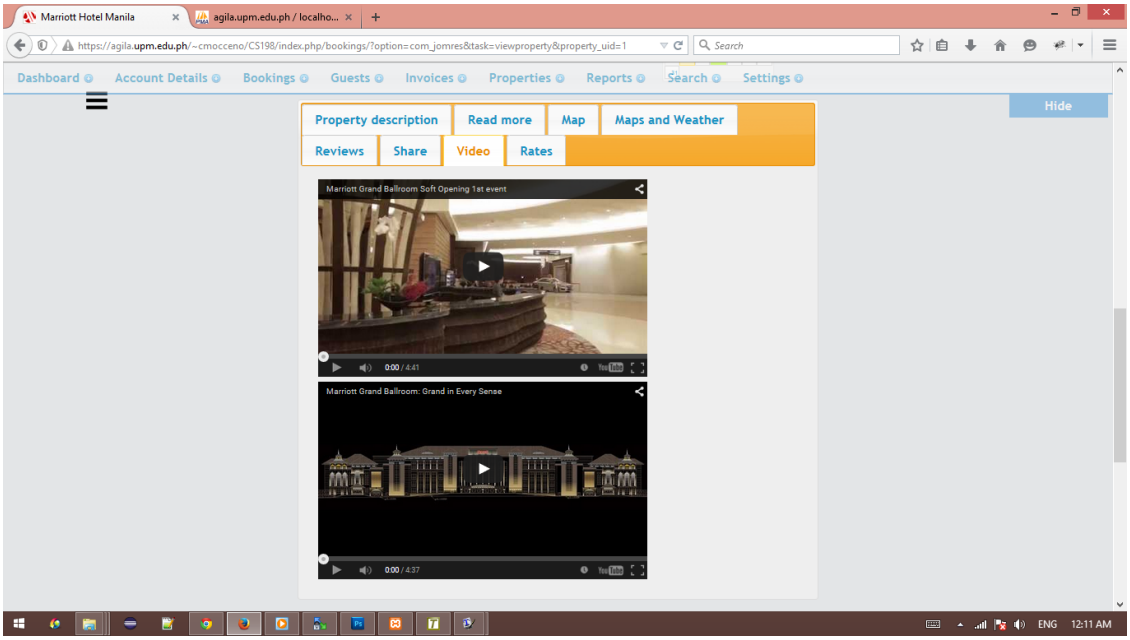


Figure 30: YouTube Videos

The customer can share the property to different social media as shown in 31.

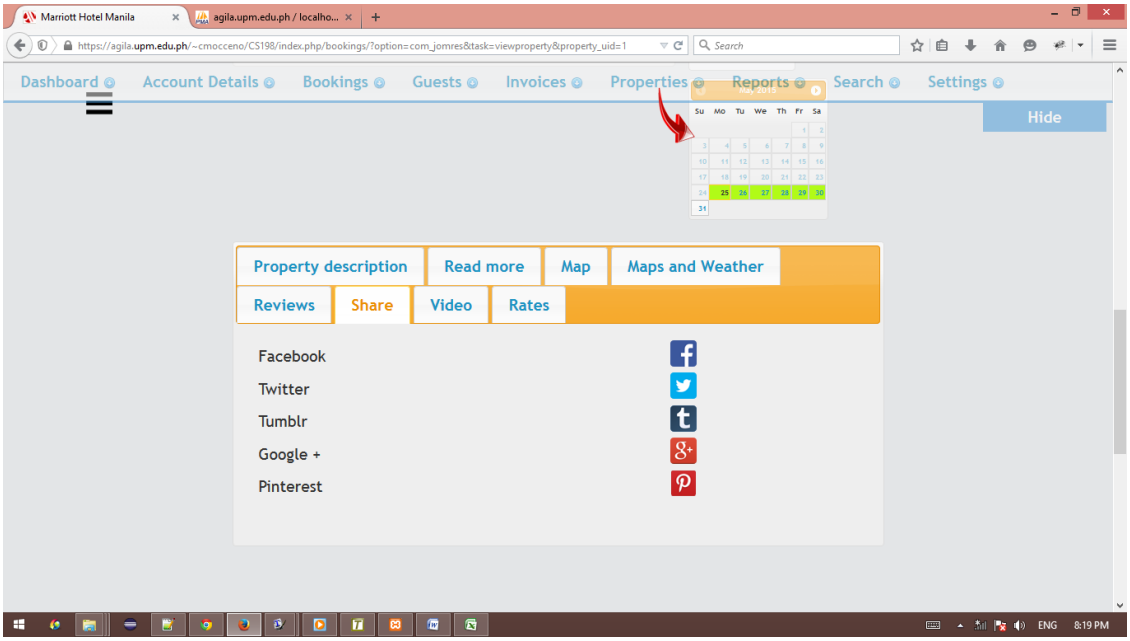


Figure 31: Share Property to Social Media

VI. Discussions

Jomres Plus is an open source supplemental plugin for Jomres, which is Joomla's longest and also Wordpress' hotel booking system or booking portal. It aims to add improvements to Jomres' existing functionalities. The Jomres plugin handling functionality is designed to make it possible to allow third party developers to design and distribute additions to the standard Jomres functionality. The actors or entities that may interact with the plugin include the customer and the property administrator. It is implemented using PHP.

The users are now able to view the top destinations near the area of the property and they can plan what activities to do to maximize their stay. With driving, walking, or cycling directions provided, the tourist now has an idea of the possible modes of transportation in the area of the property so confusions and waste of time can be avoided. The weather forecast is also helpful for the tourists because they can organize their luggage and decide what kind of clothes to bring and they can plan the appropriate activities with respect to the weather to avoid unnecessary cancellations. The users can also share the property to their social media accounts and they can share their experiences and help promote the property.

The administrator can automatically send an email to customers who made provisional bookings that are not paid within an interval of time to avoid the automatic cancellation of the bookings. With this, the implementation of rules are strict and errors made by humans are reduced. An automatic customer feedback reminder email can also be sent to customers after their departure so they can state their comments and suggestions to improve the property. The admin can also export the customers' information and booking details because having an offline record is important for backup purposes. YouTube videos can be inserted by the admin to the property details page to give the customers more information.

The top destinations are directions fetched from Google Maps. The weather information is taken from Forecast.io. Whatever Google Maps and Forecast.io provide are also the only information Jomres Plus can give.

The design of a system must be fit for its purpose in a way that users can comprehend and its features must be ethical because it is a part of the product with which people come into contact with. [8] [9] Jomres Plus' design is simple and is friendly to both customers and administrator. When consumers consider an online purchase, satisfaction is likely to affect their level of trust. [6] Jomres Plus provides a supplemental plugin for Jomres to add to and improve its existing functionalities to increase customer's satisfaction.

Improving the searching efficiency will greatly increase the probability to make online reservation. [16] The plugin allows the user to search for top destinations, directions, and weather information to enhance tourists perception. Showing the touristic suggestions of what the tourist can find in the destination is a very important feature. [19] Obtaining more accurate information of tourism destinations is the most concerning thing for tourists, especially for self-navigation tourists. [20] Consumers not only search information of the property, but they also search for comments or reviews from other consumers who have previously checked in. [11] The customers can share the property's website to social media so the possible future customers can have an insight of the property together with the caption of the one who shared which can serve as a review as well.

Doing more communication with customers is important to improve online booking consumer satisfaction. [10] One feature of the plugin is sending customer feedback reminders automatically so the customer can still communicate his concerns to the admin even though he has already checked-out after a couple of days. This is because consumer reviews have a significant impact on online sales. [14]. Managing the needs of online information and the ease of performing transactions are also important. [17] The payment reminder and cancel unpaid bookings features provide the admin to manually or automatically send an email to the customer if he was not able to pay the deposit within an interval of his choice and cancel unpaid bookings to make the transactions easier. Consumers will feel less risk associated with online purchase if they have more positive trust in the company. [12] [13] For the consumers to feel more confident with the property, YouTube videos can be inserted

to the property details page to know more about the property aside from the pictures and descriptions provided. Also, the admin can export the bookings details every now and then for backup so if ever all the data are lost, the admin's information can still be trusted.

VII. Conclusions

Jomres Plus, an open source supplemental plugin for Jomres, was developed to add to and improve existing Jomres' functionalities. The customer and property administrator are the actors or entities that may interact with the plugin. Once Jomres Plus is installed, they can access the plugin to cater their needs.

The plugin allows the customers to view and query top destinations like tourist spots within the area of the property using Google Maps so they can plan what activities to do to maximize their stay. It also allows the customers to get the transit, driving, walking, or cycling directions to the property from the user-given source and vice versa using Google Maps for them to avoid confusion and waste of time. The customers can know the current weather information and weather forecast to plan the appropriate activities with respect to the weather to avoid unnecessary cancellations. They can also share their experiences from the property to their different social media accounts.

Jomres Plus allows the property administrator to automatically send a payment reminder email to customers who made provisional bookings that are not paid within a chosen interval. The admin also has the choice to manually or automatically cancel all provisional bookings that are not paid within a chosen interval. With this, the implementation of rules are strict and errors made by humans are reduced. The administrator can automatically send a reminder email to guests as well to leave a review of the property they stayed at after a chosen interval from their departure date so the guests can state their comments and suggestions to improve the property. The plugin allows the admin to export bookings data to a CSV file which contains booking number, invoice number, arrival, departure, number of guests, guest name, landline, mobile number, email address, contract total, deposit requried, deposit paid or not, extras, and a note if booking is cancelled or not to have an offline file for backup purposes. The administrator can also insert a YouTube video in the property details page to give the possible guests more information.

VIII. Recommendations

Jomres Plus can be further improved by adding more functionalities. A report feature can be added to the plugin like the statistics of bookings total by period, commission estimate by period, bookings tax total by period, total number of views per property and total number of bookings per property. Other gateway for payment can also be added because as of now, Jomres only allows Paypal. A Google calendar integrator can also be useful to create, edit or delete events from the admin's Google Calendar each time a booking is made, amended or canceled. Events to a different calendar for a property can be added. Furthermore, it will be an improvement if the customers can cancel their own booking.

Customization on Jomres itself can be done so the hotel booking reservation system looks good regardless of the chosen Wordpress or Joomla theme. Jomres can be also further improved by allowing the administrators to change the user interface in the front end. Another possible improvement can be the readability of the code and more step-by-step manual or documentation so third-party developers will not have a hard time improving the system.

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X. Appendix

Source Code

1. jomres_plus/language/en-GB.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER',"Payment Reminder");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_PR_INSTRUCTIONS',"This functionality automatically sends a
    payment reminder email to customers who made provisional bookings that are not paid within an
    interval of your choice. You will also receive a copy of it.");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_PAYMENT_REMINDER_EMAIL',"Send a payment reminder email
    to customers who made provisional bookings that are not paid within a chosen number of days.");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_ENABLED',"Enabled");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_DISABLED',"Disabled");

define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER_TITLE',"Payment reminder settings");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER_HENABLED',"Enabled? ");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER_YES',"Yes");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER_NO',"No");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER_NR_DAYS_TITLE1',"Send payment reminder email
    ");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER_NR_DAYS_TITLE2'," days after the provisional
     booking was made");

define('_JOMRES_CUSTOMTEXT_PAYMENT_REMINDER_EMAIL_TITLE',"Payment reminder for your booking at ");
define('_JOMRES_CUSTOMTEXT_PAYMENT_REMINDER_EMAIL_BODY1',"You have an unpaid booking at ");
define('_JOMRES_CUSTOMTEXT_PAYMENT_REMINDER_EMAIL_BODY2',"In order to secure your booking, it is
    necessary to make a deposit payment of ");
define('_JOMRES_PAYMENT_REMINDER_EMAIL_BOOKINGNO',"Booking number");
define('_JOMRES_CUSTOMTEXT_PAYMENT_REMINDER_EMAIL_BODY3',". Please contact us if you wish to discuss
     payment options.<br /><br />Thank you.");

define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID',"Cancel Unpaid Bookings");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_CU_INSTRUCTIONS',"This functionality automatically cancels
    all provisional bookings that are not paid within an interval of your choice. It also informs
    the guest of the cancellation by an email and you'll get a copy too.");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID_NR_DAYS_TITLE1',"Cancel unpaid bookings ");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID_NR_DAYS_TITLE2'," days after the provisional
    booking was made");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID_BOOKINGS',"Cancel all provisional bookings that
     are not paid within a chosen interval.");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_AUTOMATIC',"Automatic?");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_MANUAL',"Manual");

define('_JOMRES_CUSTOMTEXT_CANCEL_UNPAID_EMAIL_TITLE',"Canceled booking at ");
define('_JOMRES_CUSTOMTEXT_CANCEL_UNPAID_EMAIL_BODY1',"This is to inform you of your canceled
    booking at ");
define('_JOMRES_CUSTOMTEXT_CANCEL_UNPAID_EMAIL_BODY2',"You weren't able to make a deposit payment of
    ");
define('_JOMRES_CUSTOMTEXT_CANCEL_UNPAID_EMAIL_BODY3',". Please contact us for questions.<br /><br
    />Thank you.");

define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_REVIEW_REMINDER',"Customer Feedback Reminder");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_RR_INSTRUCTIONS',"This functionality automatically sends a
    customer feedback reminder email to guests to leave a review of the property they stayed at
    after a chosen interval from their departure date. You will also receive a copy of it.");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_REVIEW_REMINDER_NR_DAYS_TITLE1',"Send customer feedback
    reminder ");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_REVIEW_REMINDER_NR_DAYS_TITLE2'," days after the departure");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_REVIEW_REMINDER_EMAIL',"Send a reminder email to guests
    to leave a review for the property after a chosen interval from their departure date.");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_APPLY',"Apply");

define('_JOMRES_CUSTOMTEXT_REVIEW_REMINDER_EMAIL_TITLE',"Customer Feedback Reminder for ");
define('_JOMRES_CUSTOMTEXT_REVIEW_REMINDER_EMAIL_BODY1',"This is to ask for you review of your stay
    at ");
define('_JOMRES_CUSTOMTEXT_REVIEW_REMINDER_EMAIL_BODY2',"This is to ask for you review of your stay
    at ");
define('_JOMRES_CUSTOMTEXT_REVIEW_REMINDER_EMAIL_BODY3',"Please contact us for questions.<br /><br
    />Thank you for your time and see you soon.");

define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_CSV',"Export to a CSV File");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_CSV_DATA'," bookings data which contains booking no.,
    invoice no., arrival, departure, number of guests, guest name, landline, mobile, email,
    contract total, deposit required, deposit paid or not, extras, and a note if booking is
    canceled or not. ");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_TEXT',"Export");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_START',"Select start date (MM-DD-YYYY");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_END',"Select end date (MM-DD-YYYY)");
```

```
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE',"Insert YouTube Video");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE_VIDEO',"Insert YouTube video in the property
    details page.");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE_VIDEO_URL',"URL: ");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT',"Insert");

define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_MINUTES',"Minutes");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_HOURS',"Hours");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_DAYS',"Days");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_WEEKS',"Weeks");

define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_ONE',"1");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWO',"2");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_THREE',"3");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_FOUR',"4");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_FIVE',"5");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SIX',"6");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEVEN',"7");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EIGHT',"8");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_NINE',"9");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TEN',"10");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_ELEVEN',"11");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWELVE',"12");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_THIRTEEN',"13");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_FOURTEEN',"14");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_FIFTEEN',"15");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SIXTEEN',"16");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEVENTEEN',"17");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EIGHTEEN',"18");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_NINETEEN',"19");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTY',"20");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYONE',"21");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYTWO',"22");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYTHREE',"23");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYFOUR',"24");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYFIVE',"25");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYSIX',"26");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYSEVEN',"27");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYEIGHT',"28");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYNINE',"29");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_THIRTY',"30");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_FORTY',"40");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_FIFTY',"50");

define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_PR_EMAIL',"Send Payment Reminder Email");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_CU_EMAIL',"Cancel Unpaid Bookings");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_RR_EMAIL',"Send Review Reminder Email");

define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_BOOKING_NO',"Booking No.");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_INVOICE_NO',"Invoice No.");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_ARRIVAL',"Arrival");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_DEPARTURE',"Departure");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_NO_OF_GUESTS',"No. of Guests");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_GUEST_NAME',"Guest Name");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_LANDLINE',"Landline");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_MOBILE',"Mobile");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EMAIL',"Email");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_CONTRACT_TOTAL',"Contract Total");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_DEPOSIT_REQUIRED',"Deposit Required");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_DEPOSIT_PAID_OR_NOT',"Deposit Paid or Not");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXTRAS',"Extras");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_NOTE_IF_CANCELLED',"Note If Cancelled");

define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SHOW_HOTEL_LOCATION',"Show Hotel Location");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_WEATHER_INFO',"Weather Information");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_DIRECTIONS',"Directions");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_STARTING_ADDRESS',"Please enter starting address: ");
define('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEARCH_NEARBY',"Search Nearby");

?>
```

2. jomres_plus/templates/js/jquery-1.10.2.min.js

```
/*!
 * jQuery JavaScript Library v1.10.2
 * http://jquery.com/
 *
 * Includes Sizzle.js
 * http://sizzlejs.com/
 *
 * Copyright 2005, 2013 jQuery Foundation, Inc. and other contributors
 * Released under the MIT license
 * http://jquery.org/license
 *
 * Date: 2013-07-03T13:48Z
 */
(function(window, undefined) {

    // Can't do this because several apps including ASP.NET trace
    // the stack via arguments.caller.callee and Firefox dies if
```

```
// you try to trace through "use strict" call chains. (#13335)
// Support: Firefox 18+
//"use strict";
var
// The deferred used on DOM ready
    readyList,

    // A central reference to the root jQuery(document)
    rootjQuery,

    // Support: IE<10
    // For `typeof xmlNode.method` instead of `xmlNode.method !== undefined`
    core_strundefined = typeof undefined,

    // Use the correct document accordingly with window argument (sandbox)
    location = window.location,
    document = window.document,
    docElem = document.documentElement,

    // Map over jQuery in case of overwrite
    _jQuery = window.jQuery,

    // Map over the $ in case of overwrite
    _$ = window.$,

    // [[Class]] -> type pairs
    class2type = {},

    // List of deleted data cache ids, so we can reuse them
    core_deletedIds = [],

    core_version = "1.10.2",

    // Save a reference to some core methods
    core_concat = core_deletedIds.concat,
    core_push = core_deletedIds.push,
    core_slice = core_deletedIds.slice,
    core_indexOf = core_deletedIds.indexOf,
    core_toString = class2type.toString,
    core_hasOwn = class2type.hasOwnProperty,
    core_trim = core_version.trim,

    // Define a local copy of jQuery
    jQuery = function( selector, context ) {
        // The jQuery object is actually just the init constructor 'enhanced'
        return new jQuery.fn.init( selector, context, rootjQuery );
    },

    // Used for matching numbers
    core_pnum = /[+-]?(?:\d*\.|)\d+(?:[eE][+-]?\d+|)/.source,

    // Used for splitting on whitespace
    core_rnotwhite = /\S+/g,

    // Make sure we trim BOM and NBSP (here's looking at you, Safari 5.0 and IE)
    rtrim = /^[\s\uFEFF\xA0]+|[\s\uFEFF\xA0]+$/g,

    // A simple way to check for HTML strings
    // Prioritize #id over <tag> to avoid XSS via location.hash (#9521)
    // Strict HTML recognition (#11290: must start with <)
    rquickExpr = /^(?:\s*(<[\w\W]+>)[^>]*|#([\w-]*))$/,

    // Match a standalone tag
    rsingleTag = /^<(\w+)\s*\/?>(?:<\/\1>|)$/,

    // JSON RegExp
    rvalidchars = /^[\],:{}\s]*$/,
    rvalidbraces = /(?:^|:|,)(?:\s*\[)+/g,
    rvalidescape = /\\(?:["\\\/bfnrt]|u[\da-fA-F]{4})/g,
    rvalidtokens = /"[^"\\\r\n]*"|true|false|null|-?(?:\d+\.|)\d+(?:[eE][+-]?\d+|)/g,

    // Matches dashed string for camelizing
    rmsPrefix = /^-ms-/,
    rdashAlpha = /-([\da-z])/gi,

    // Used by jQuery.camelCase as callback to replace()
    fcamelCase = function( all, letter ) {
        return letter.toUpperCase();
    },

    // The ready event handler
    completed = function( event ) {

        // readyState === "complete" is good enough for us to call the dom ready in oldIE
        if ( document.addEventListener || event.type === "load" || document.readyState === "
            complete" ) {
            detach();
            jQuery.ready();
        }
    },
    // Clean-up method for dom ready events
    detach = function() {
```

```
        if (document.addEventListener) {
            document.removeEventListener("DOMContentLoaded", completed, false);
            window.removeEventListener("load", completed, false);

        } else {
            document.detachEvent("onreadystatechange", completed);
            window.detachEvent("onload", completed);
        }
    };

jQuery.fn = jQuery.prototype = {
    // The current version of jQuery being used
    jquery: core_version,

    constructor: jQuery,
    init: function(selector, context, rootjQuery) {
        var match, elem;

        // HANDLE: $(""), $(null), $(undefined), $(false)
        if (!selector) {
            return this;
        }

        // Handle HTML strings
        if (typeof selector === "string") {
            if (selector.charAt(0) === "<" && selector.charAt(selector.length - 1) === ">" &&
                selector.length >= 3) {
                // Assume that strings that start and end with <> are HTML and skip the regex
                    check
                match = [null, selector, null];

            } else {
                match = rquickExpr.exec(selector);
            }

            // Match html or make sure no context is specified for #id
            if (match && (match[1] || !context)) {

                // HANDLE: $(html) -> $(array)
                if (match[1]) {
                    context = context instanceof jQuery ? context[0] : context;

                    // scripts is true for back-compat
                    jQuery.merge(this, jQuery.parseHTML(
                        match[1],
                        context && context.nodeType ? context.ownerDocument || context :
                            document,
                        true
                    ));

                    // HANDLE: $(html, props)
                    if (rsingleTag.test(match[1]) && jQuery.isPlainObject(context)) {
                        for (match in context) {
                            // Properties of context are called as methods if possible
                            if (jQuery.isFunction(this[match])) {
                                this[match](context[match]);

                                // ...and otherwise set as attributes
                            } else {
                                this.attr(match, context[match]);
                            }
                        }
                    }

                    return this;

                    // HANDLE: $(#id)
                } else {
                    elem = document.getElementById(match[2]);

                    // Check parentNode to catch when Blackberry 4.6 returns
                    // nodes that are no longer in the document #6963
                    if (elem && elem.parentNode) {
                        // Handle the case where IE and Opera return items
                        // by name instead of ID
                        if (elem.id !== match[2]) {
                            return rootjQuery.find(selector);
                        }

                        // Otherwise, we inject the element directly into the jQuery object
                        this.length = 1;
                        this[0] = elem;
                    }

                    this.context = document;
                    this.selector = selector;
                    return this;
                }

                // HANDLE: $(expr, $(...))
            } else if (!context || context.jquery) {
                return (context || rootjQuery).find(selector);
```

```
            // HANDLE: $(expr, context)
            // (which is just equivalent to: $(context).find(expr)
        } else {
            return this.constructor(context).find(selector);
        }

        // HANDLE: $(DOMElement)
    } else if (selector.nodeType) {
        this.context = this[0] = selector;
        this.length = 1;
        return this;

        // HANDLE: $(function)
        // Shortcut for document ready
    } else if (jQuery.isFunction(selector)) {
        return rootjQuery.ready(selector);
    }

    if (selector.selector !== undefined) {
        this.selector = selector.selector;
        this.context = selector.context;
    }

    return jQuery.makeArray(selector, this);
},

// Start with an empty selector
selector: "",

// The default length of a jQuery object is 0
length: 0,

toArray: function() {
    return core_slice.call(this);
},

// Get the Nth element in the matched element set OR
// Get the whole matched element set as a clean array
get: function(num) {
    return num == null ?

        // Return a 'clean' array
        this.toArray() :

        // Return just the object
        (num < 0 ? this[this.length + num] : this[num]);
},

// Take an array of elements and push it onto the stack
// (returning the new matched element set)
pushStack: function(elems) {

    // Build a new jQuery matched element set
    var ret = jQuery.merge(this.constructor(), elems);

    // Add the old object onto the stack (as a reference)
    ret.prevObject = this;
    ret.context = this.context;

    // Return the newly-formed element set
    return ret;
},

// Execute a callback for every element in the matched set.
// (You can seed the arguments with an array of args, but this is
// only used internally.)
each: function(callback, args) {
    return jQuery.each(this, callback, args);
},

ready: function(fn) {
    // Add the callback
    jQuery.ready.promise().done(fn);

    return this;
},

slice: function() {
    return this.pushStack(core_slice.apply(this, arguments));
},

first: function() {
    return this.eq(0);
},

last: function() {
    return this.eq(-1);
},

eq: function(i) {
    var len = this.length,
```

```
            j = +i + (i < 0 ? len : 0);
        return this.pushStack(j >= 0 && j < len ? [this[j]] : []);
    },

    map: function(callback) {
        return this.pushStack(jQuery.map(this, function(elem, i) {
            return callback.call(elem, i, elem);
        }));
    },

    end: function() {
        return this.prevObject || this.constructor(null);
    },

    // For internal use only.
    // Behaves like an Array's method, not like a jQuery method.
    push: core_push,
    sort: [].sort,
    splice: [].splice
};

// Give the init function the jQuery prototype for later instantiation
jQuery.fn.init.prototype = jQuery.fn;

jQuery.extend = jQuery.fn.extend = function() {
    var src, copyIsArray, copy, name, options, clone,
        target = arguments[0] || {},
        i = 1,
        length = arguments.length,
        deep = false;

    // Handle a deep copy situation
    if (typeof target === "boolean") {
        deep = target;
        target = arguments[1] || {};
        // skip the boolean and the target
        i = 2;
    }

    // Handle case when target is a string or something (possible in deep copy)
    if (typeof target !== "object" && !jQuery.isFunction(target)) {
        target = {};
    }

    // extend jQuery itself if only one argument is passed
    if (length === i) {
        target = this;
        --i;
    }

    for (; i < length; i++) {
        // Only deal with non-null/undefined values
        if ((options = arguments[i]) != null) {
            // Extend the base object
            for (name in options) {
                src = target[name];
                copy = options[name];

                // Prevent never-ending loop
                if (target === copy) {
                    continue;
                }

                // Recurse if we're merging plain objects or arrays
                if (deep && copy && (jQuery.isPlainObject(copy) || (copyIsArray = jQuery.isArray
                    (copy)))) {
                    if (copyIsArray) {
                        copyIsArray = false;
                        clone = src && jQuery.isArray(src) ? src : [];

                    } else {
                        clone = src && jQuery.isPlainObject(src) ? src : {};
                    }

                    // Never move original objects, clone them
                    target[name] = jQuery.extend(deep, clone, copy);

                    // Don't bring in undefined values
                } else if (copy !== undefined) {
                    target[name] = copy;
                }
            }
        }
    }

    // Return the modified object
    return target;
};

jQuery.extend({
    // Unique for each copy of jQuery on the page
    // Non-digits removed to match rinlinejQuery
```

```
expando: "jQuery" + (core_version + Math.random()).replace(/\D/g, ""),

noConflict: function(deep) {
    if (window.$ === jQuery) {
        window.$ = _$;
    }

    if (deep && window.jQuery === jQuery) {
        window.jQuery = _jQuery;
    }

    return jQuery;
},

// Is the DOM ready to be used? Set to true once it occurs.
isReady: false,

// A counter to track how many items to wait for before
// the ready event fires. See #6781
readyWait: 1,

// Hold (or release) the ready event
holdReady: function(hold) {
    if (hold) {
        jQuery.readyWait++;
    } else {
        jQuery.ready(true);
    }
},

// Handle when the DOM is ready
ready: function(wait) {

    // Abort if there are pending holds or we're already ready
    if (wait === true ? --jQuery.readyWait : jQuery.isReady) {
        return;
    }

    // Make sure body exists, at least, in case IE gets a little overzealous (ticket #5443).
    if (!document.body) {
        return setTimeout(jQuery.ready);
    }

    // Remember that the DOM is ready
    jQuery.isReady = true;

    // If a normal DOM Ready event fired, decrement, and wait if need be
    if (wait !== true && --jQuery.readyWait > 0) {
        return;
    }

    // If there are functions bound, to execute
    readyList.resolveWith(document, [jQuery]);

    // Trigger any bound ready events
    if (jQuery.fn.trigger) {
        jQuery(document).trigger("ready").off("ready");
    }
},

// See test/unit/core.js for details concerning isFunction.
// Since version 1.3, DOM methods and functions like alert
// aren't supported. They return false on IE (#2968).
isFunction: function(obj) {
    return jQuery.type(obj) === "function";
},

isArray: Array.isArray || function(obj) {
    return jQuery.type(obj) === "array";
},

isWindow: function(obj) {
    /* jshint eqeqeq: false */
    return obj != null && obj == obj.window;
},

isNumeric: function(obj) {
    return !isNaN(parseFloat(obj)) && isFinite(obj);
},

type: function(obj) {
    if (obj == null) {
        return String(obj);
    }
    return typeof obj === "object" || typeof obj === "function" ?
        class2type[core_toString.call(obj)] || "object" :
        typeof obj;
},

isPlainObject: function(obj) {
    var key;
```

```
    // Must be an Object.
    // Because of IE, we also have to check the presence of the constructor property.
    // Make sure that DOM nodes and window objects don't pass through, as well
    if (!obj || jQuery.type(obj) !== "object" || obj.nodeType || jQuery.isWindow(obj)) {
        return false;
    }

    try {
        // Not own constructor property must be Object
        if (obj.constructor &&
            !core_hasOwn.call(obj, "constructor") &&
            !core_hasOwn.call(obj.constructor.prototype, "isPrototypeOf")) {
            return false;
        }
    } catch (e) {
        // IE8,9 Will throw exceptions on certain host objects #9897
        return false;
    }

    // Support: IE<9
    // Handle iteration over inherited properties before own properties.
    if (jQuery.support.ownLast) {
        for (key in obj) {
            return core_hasOwn.call(obj, key);
        }
    }

    // Own properties are enumerated firstly, so to speed up,
    // if last one is own, then all properties are own.
    for (key in obj) {}

    return key === undefined || core_hasOwn.call(obj, key);
},

isEmptyObject: function(obj) {
    var name;
    for (name in obj) {
        return false;
    }
    return true;
},

error: function(msg) {
    throw new Error(msg);
},

// data: string of html
// context (optional): If specified, the fragment will be created in this context, defaults
    to document
// keepScripts (optional): If true, will include scripts passed in the html string
parseHTML: function(data, context, keepScripts) {
    if (!data || typeof data !== "string") {
        return null;
    }
    if (typeof context === "boolean") {
        keepScripts = context;
        context = false;
    }
    context = context || document;

    var parsed = rsingleTag.exec(data),
        scripts = !keepScripts && [];

    // Single tag
    if (parsed) {
        return [context.createElement(parsed[1])];
    }

    parsed = jQuery.buildFragment([data], context, scripts);
    if (scripts) {
        jQuery(scripts).remove();
    }
    return jQuery.merge([], parsed.childNodes);
},

parseJSON: function(data) {
    // Attempt to parse using the native JSON parser first
    if (window.JSON && window.JSON.parse) {
        return window.JSON.parse(data);
    }

    if (data === null) {
        return data;
    }

    if (typeof data === "string") {

        // Make sure leading/trailing whitespace is removed (IE can't handle it)
        data = jQuery.trim(data);

        if (data) {
            // Make sure the incoming data is actual JSON
```

```
            // Logic borrowed from http://json.org/json2.js
            if (rvalidchars.test(data.replace(rvalidescape, "@")
                    .replace(rvalidtokens, "]")
                    .replace(rvalidbraces, ""))) {

                return (new Function("return " + data))();
            }
        }
    }

    jQuery.error("Invalid JSON: " + data);
},

// Cross-browser xml parsing
parseXML: function(data) {
    var xml, tmp;
    if (!data || typeof data !== "string") {
        return null;
    }
    try {
        if (window.DOMParser) { // Standard
            tmp = new DOMParser();
            xml = tmp.parseFromString(data, "text/xml");
        } else { // IE
            xml = new ActiveXObject("Microsoft.XMLDOM");
            xml.async = "false";
            xml.loadXML(data);
        }
    } catch (e) {
        xml = undefined;
    }
    if (!xml || !xml.documentElement || xml.getElementsByTagName("parsererror").length) {
        jQuery.error("Invalid XML: " + data);
    }
    return xml;
},

noop: function() {},

// Evaluates a script in a global context
// Workarounds based on findings by Jim Driscoll
// http://weblogs.java.net/blog/driscoll/archive/2009/09/08/eval-javascript-global-context
globalEval: function(data) {
    if (data && jQuery.trim(data)) {
        // We use execScript on Internet Explorer
        // We use an anonymous function so that context is window
        // rather than jQuery in Firefox
        (window.execScript || function(data) {
            window["eval"].call(window, data);
        })(data);
    }
},

// Convert dashed to camelCase; used by the css and data modules
// Microsoft forgot to hump their vendor prefix (#9572)
camelCase: function(string) {
    return string.replace(rmsPrefix, "ms-").replace(rdashAlpha, fcamelCase);
},

nodeName: function(elem, name) {
    return elem.nodeName && elem.nodeName.toLowerCase() === name.toLowerCase();
},

// args is for internal usage only
each: function(obj, callback, args) {
    var value,
        i = 0,
        length = obj.length,
        isArray = isArraylike(obj);

    if (args) {
        if (isArray) {
            for (; i < length; i++) {
                value = callback.apply(obj[i], args);

                if (value === false) {
                    break;
                }
            }
        } else {
            for (i in obj) {
                value = callback.apply(obj[i], args);

                if (value === false) {
                    break;
                }
            }
        }

        // A special, fast, case for the most common use of each
    } else {
        if (isArray) {
```

```
            for (; i < length; i++) {
                value = callback.call(obj[i], i, obj[i]);

                if (value === false) {
                    break;
                }
            }
        } else {
            for (i in obj) {
                value = callback.call(obj[i], i, obj[i]);

                if (value === false) {
                    break;
                }
            }
        }
    }

    return obj;
},

// Use native String.trim function wherever possible
trim: core_trim && !core_trim.call("\uFEFF\xA0") ?
    function(text) {
        return text == null ?
            "" :
            core_trim.call(text);
    } :

    // Otherwise use our own trimming functionality
    function(text) {
        return text == null ?
            "" :
            (text + "").replace(rtrim, "");
    },

// results is for internal usage only
makeArray: function(arr, results) {
    var ret = results || [];

    if (arr != null) {
        if (isArraylike(Object(arr))) {
            jQuery.merge(ret,
                typeof arr === "string" ? [arr] : arr
            );
        } else {
            core_push.call(ret, arr);
        }
    }

    return ret;
},

inArray: function(elem, arr, i) {
    var len;

    if (arr) {
        if (core_indexOf) {
            return core_indexOf.call(arr, elem, i);
        }

        len = arr.length;
        i = i ? i < 0 ? Math.max(0, len + i) : i : 0;

        for (; i < len; i++) {
            // Skip accessing in sparse arrays
            if (i in arr && arr[i] === elem) {
                return i;
            }
        }
    }

    return -1;
},

merge: function(first, second) {
    var l = second.length,
        i = first.length,
        j = 0;

    if (typeof l === "number") {
        for (; j < l; j++) {
            first[i++] = second[j];
        }
    } else {
        while (second[j] !== undefined) {
            first[i++] = second[j++];
        }
    }

    first.length = i;
```

```
    return first;
},

grep: function(elems, callback, inv) {
    var retVal,
        ret = [],
        i = 0,
        length = elems.length;
    inv = !!inv;

    // Go through the array, only saving the items
    // that pass the validator function
    for (; i < length; i++) {
        retVal = !!callback(elems[i], i);
        if (inv !== retVal) {
            ret.push(elems[i]);
        }
    }

    return ret;
},

// arg is for internal usage only
map: function(elems, callback, arg) {
    var value,
        i = 0,
        length = elems.length,
        isArray = isArraylike(elems),
        ret = [];

    // Go through the array, translating each of the items to their
    if (isArray) {
        for (; i < length; i++) {
            value = callback(elems[i], i, arg);

            if (value != null) {
                ret[ret.length] = value;
            }
        }

        // Go through every key on the object,
    } else {
        for (i in elems) {
            value = callback(elems[i], i, arg);

            if (value != null) {
                ret[ret.length] = value;
            }
        }
    }

    // Flatten any nested arrays
    return core_concat.apply([], ret);
},

// A global GUID counter for objects
guid: 1,

// Bind a function to a context, optionally partially applying any
// arguments.
proxy: function(fn, context) {
    var args, proxy, tmp;

    if (typeof context === "string") {
        tmp = fn[context];
        context = fn;
        fn = tmp;
    }

    // Quick check to determine if target is callable, in the spec
    // this throws a TypeError, but we will just return undefined.
    if (!jQuery.isFunction(fn)) {
        return undefined;
    }

    // Simulated bind
    args = core_slice.call(arguments, 2);
    proxy = function() {
        return fn.apply(context || this, args.concat(core_slice.call(arguments)));
    };

    // Set the guid of unique handler to the same of original handler, so it can be removed
    proxy.guid = fn.guid = fn.guid || jQuery.guid++;

    return proxy;
},

// Multifunctional method to get and set values of a collection
// The value/s can optionally be executed if it's a function
access: function(elems, fn, key, value, chainable, emptyGet, raw) {
    var i = 0,
        length = elems.length,
```

```
            bulk = key == null;

        // Sets many values
        if (jQuery.type(key) === "object") {
            chainable = true;
            for (i in key) {
                jQuery.access(elems, fn, i, key[i], true, emptyGet, raw);
            }

            // Sets one value
        } else if (value !== undefined) {
            chainable = true;

            if (!jQuery.isFunction(value)) {
                raw = true;
            }

            if (bulk) {
                // Bulk operations run against the entire set
                if (raw) {
                    fn.call(elems, value);
                    fn = null;

                    // ...except when executing function values
                } else {
                    bulk = fn;
                    fn = function(elem, key, value) {
                        return bulk.call(jQuery(elem), value);
                    };
                }
            }

            if (fn) {
                for (; i < length; i++) {
                    fn(elems[i], key, raw ? value : value.call(elems[i], i, fn(elems[i], key)));
                }
            }
        }

        return chainable ?
            elems :

            // Gets
            bulk ?
            fn.call(elems) :
            length ? fn(elems[0], key) : emptyGet;
    },

    now: function() {
        return (new Date()).getTime();
    },

    // A method for quickly swapping in/out CSS properties to get correct calculations.
    // Note: this method belongs to the css module but it's needed here for the support module.
    // If support gets modularized, this method should be moved back to the css module.
    swap: function(elem, options, callback, args) {
        var ret, name,
            old = {};

        // Remember the old values, and insert the new ones
        for (name in options) {
            old[name] = elem.style[name];
            elem.style[name] = options[name];
        }

        ret = callback.apply(elem, args || []);

        // Revert the old values
        for (name in options) {
            elem.style[name] = old[name];
        }

        return ret;
    }
});

jQuery.ready.promise = function(obj) {
    if (!readyList) {

        readyList = jQuery.Deferred();

        // Catch cases where $(document).ready() is called after the browser event has already
            occurred.
        // we once tried to use readyState "interactive" here, but it caused issues like the one
        // discovered by ChrisS here: http://bugs.jquery.com/ticket/12282#comment:15
        if (document.readyState === "complete") {
            // Handle it asynchronously to allow scripts the opportunity to delay ready
            setTimeout(jQuery.ready);

            // Standards-based browsers support DOMContentLoaded
        } else if (document.addEventListener) {
            // Use the handy event callback
```

```
            document.addEventListener("DOMContentLoaded", completed, false);

            // A fallback to window.onload, that will always work
            window.addEventListener("load", completed, false);

            // If IE event model is used
        } else {
            // Ensure firing before onload, maybe late but safe also for iframes
            document.attachEvent("onreadystatechange", completed);

            // A fallback to window.onload, that will always work
            window.attachEvent("onload", completed);

            // If IE and not a frame
            // continually check to see if the document is ready
            var top = false;

            try {
                top = window.frameElement == null && document.documentElement;
            } catch (e) {}

            if (top && top.doScroll) {
                (function doScrollCheck() {
                    if (!jQuery.isReady) {

                        try {
                            // Use the trick by Diego Perini
                            // http://javascript.nwbox.com/IEContentLoaded/
                            top.doScroll("left");
                        } catch (e) {
                            return setTimeout(doScrollCheck, 50);
                        }

                        // detach all dom ready events
                        detach();

                        // and execute any waiting functions
                        jQuery.ready();
                    }
                })();
            }
        }
    }
    return readyList.promise(obj);
};

// Populate the class2type map
jQuery.each("Boolean Number String Function Array Date RegExp Object Error".split(" "), function
    (i, name) {
    class2type["[object " + name + "]"] = name.toLowerCase();
});

function isArraylike(obj) {
    var length = obj.length,
        type = jQuery.type(obj);

    if (jQuery.isWindow(obj)) {
        return false;
    }

    if (obj.nodeType === 1 && length) {
        return true;
    }

    return type === "array" || type !== "function" &&
        (length === 0 ||
            typeof length === "number" && length > 0 && (length - 1) in obj);
}

// All jQuery objects should point back to these
rootjQuery = jQuery(document);


/*!
 * Sizzle CSS Selector Engine v1.10.2
 * http://sizzlejs.com/
 *
 * Copyright 2013 jQuery Foundation, Inc. and other contributors
 * Released under the MIT license
 * http://jquery.org/license
 *
 * Date: 2013-07-03
 */
(function(window, undefined) {

    var i,
        support,
        cachedruns,
        Expr,
        getText,
        isXML,
        compile,
```

```
outermostContext,
sortInput,

// Local document vars
setDocument,
document,
docElem,
documentIsHTML,
rbuggyQSA,
rbuggyMatches,
matches,
contains,

// Instance-specific data
expando = "sizzle" + -(new Date()),
preferredDoc = window.document,
dirruns = 0,
done = 0,
classCache = createCache(),
tokenCache = createCache(),
compilerCache = createCache(),
hasDuplicate = false,
sortOrder = function(a, b) {
    if (a === b) {
        hasDuplicate = true;
        return 0;
    }
    return 0;
},

// General-purpose constants
strundefined = typeof undefined,
MAX_NEGATIVE = 1 << 31,

// Instance methods
hasOwn = ({}).hasOwnProperty,
arr = [],
pop = arr.pop,
push_native = arr.push,
push = arr.push,
slice = arr.slice,
// Use a stripped-down indexOf if we can't use a native one
indexOf = arr.indexOf || function(elem) {
    var i = 0,
        len = this.length;
    for (; i < len; i++) {
        if (this[i] === elem) {
            return i;
        }
    }
    return -1;
},

booleans = "checked|selected|async|autofocus|autoplay|controls|defer|disabled|hidden|
    ismap|loop|multiple|open|readonly|required|scoped",

// Regular expressions

// Whitespace characters http://www.w3.org/TR/css3-selectors/#whitespace
whitespace = "[\\x20\\t\\r\\n\\f]",
// http://www.w3.org/TR/css3-syntax/#characters
characterEncoding = "(?:\\\\.|[\\w-]|[^\\x00-\\xa0])+",

// Loosely modeled on CSS identifier characters
// An unquoted value should be a CSS identifier http://www.w3.org/TR/css3-selectors/#
    attribute-selectors
// Proper syntax: http://www.w3.org/TR/CSS21/syndata.html#value-def-identifier
identifier = characterEncoding.replace("w", "w#"),

// Acceptable operators http://www.w3.org/TR/selectors/#attribute-selectors
attributes = "\\[" + whitespace + "*(" + characterEncoding + ")" + whitespace +
"*(?:([*^$|!~]?=)" + whitespace + "*(?:(['\"])((?:\\\\.|[^\\\\])*?)\\3|(" + identifier +
    ")|)|)" + whitespace + "*\\]",

// Prefer arguments quoted,
//   then not containing pseudos/brackets,
//   then attribute selectors/non-parenthetical expressions,
//   then anything else
// These preferences are here to reduce the number of selectors
//   needing tokenize in the PSEUDO preFilter
pseudos = ":(" + characterEncoding + ")(?:\\((((['\"])((?:\\\\.|[^\\\\])*?)
    \\3|((?:\\\\.|[^\\\\()[\\]]|" + attributes.replace(3, 8) + ")*)|.*)\\)|)",

// Leading and non-escaped trailing whitespace, capturing some non-whitespace characters
    preceding the latter
rtrim = new RegExp("^" + whitespace + "+|((?:^|[^\\\\])(?:\\\\.)*)" + whitespace + "+$",
    "g"),

rcomma = new RegExp("^" + whitespace + "*," + whitespace + "*"),
rcombinators = new RegExp("^" + whitespace + "*([>+~]|" + whitespace + ")" + whitespace
    + "*"),
```

```
    rsibling = new RegExp(whitespace + "*[+~]"),
    rattributeQuotes = new RegExp("=" + whitespace + "*([^\\]'\"]*)" + whitespace + "*\\]",
        "g"),

    rpseudo = new RegExp(pseudos),
    ridentifier = new RegExp("^" + identifier + "$"),

    matchExpr = {
        "ID": new RegExp("^#(" + characterEncoding + ")"),
        "CLASS": new RegExp("^\\.(" + characterEncoding + ")"),
        "TAG": new RegExp("^(" + characterEncoding.replace("w", "w*") + ")"),
        "ATTR": new RegExp("^" + attributes),
        "PSEUDO": new RegExp("^" + pseudos),
        "CHILD": new RegExp("^:(only|first|last|nth|nth-last)-(child|of-type)(?:\\(" +
            whitespace +
            "*(even|odd|(([+-]|)(\\d*)n|)" + whitespace + "*(?:([+-]|)" + whitespace +
            "*(\\d+)|))" + whitespace + "*\\)|)", "i"),
        "bool": new RegExp("^(?:" + booleans + ")$", "i"),
        // For use in libraries implementing .is()
        // We use this for POS matching in `select`
        "needsContext": new RegExp("^" + whitespace + "*[>+~]|:(even|odd|eq|gt|lt|nth|first|
            last)(?:\\(" +
            whitespace + "*((?:-\\d)?\\d*)" + whitespace + "*\\)|)(?=[^-]|$)", "i")
    },

    rnative = /^[^{]+\{\s*\[native \w/,

    // Easily-parseable/retrievable ID or TAG or CLASS selectors
    rquickExpr = /^(?:#([\w-]+)|(\w+)|\.([\w-]+))$/,

    rinputs = /^(?:input|select|textarea|button)$/i,
    rheader = /^h\d$/i,

    rescape = /'|\\/g,

    // CSS escapes http://www.w3.org/TR/CSS21/syndata.html#escaped-characters
    runescape = new RegExp("\\\\([\\da-f]{1,6}" + whitespace + "?|(" + whitespace + ")|.)",
        "ig"),
    funescape = function(_, escaped, escapedWhitespace) {
        var high = "0x" + escaped - 0x10000;
        // NaN means non-codepoint
        // Support: Firefox
        // Workaround erroneous numeric interpretation of +"0x"
        return high !== high || escapedWhitespace ?
            escaped :
            // BMP codepoint
            high < 0 ?
            String.fromCharCode(high + 0x10000) :
            // Supplemental Plane codepoint (surrogate pair)
            String.fromCharCode(high >> 10 | 0xD800, high & 0x3FF | 0xDC00);
    };

// Optimize for push.apply( _, NodeList )
try {
    push.apply(
        (arr = slice.call(preferredDoc.childNodes)),
        preferredDoc.childNodes
    );
    // Support: Android<4.0
    // Detect silently failing push.apply
    arr[preferredDoc.childNodes.length].nodeType;
} catch (e) {
    push = {
        apply: arr.length ?

            // Leverage slice if possible
            function(target, els) {
                push_native.apply(target, slice.call(els));
            } :

            // Support: IE<9
            // Otherwise append directly
            function(target, els) {
                var j = target.length,
                    i = 0;
                // Can't trust NodeList.length
                while ((target[j++] = els[i++])) {}
                target.length = j - 1;
            }
    };
}

function Sizzle(selector, context, results, seed) {
    var match, elem, m, nodeType,
        // QSA vars
        i, groups, old, nid, newContext, newSelector;

    if ((context ? context.ownerDocument || context : preferredDoc) !== document) {
        setDocument(context);
    }

    context = context || document;
```

```
results = results || [];

if (!selector || typeof selector !== "string") {
    return results;
}

if ((nodeType = context.nodeType) !== 1 && nodeType !== 9) {
    return [];
}

if (documentIsHTML && !seed) {

    // Shortcuts
    if ((match = rquickExpr.exec(selector))) {
        // Speed-up: Sizzle("#ID")
        if ((m = match[1])) {
            if (nodeType === 9) {
                elem = context.getElementById(m);
                // Check parentNode to catch when Blackberry 4.6 returns
                // nodes that are no longer in the document #6963
                if (elem && elem.parentNode) {
                    // Handle the case where IE, Opera, and Webkit return items
                    // by name instead of ID
                    if (elem.id === m) {
                        results.push(elem);
                        return results;
                    }
                } else {
                    return results;
                }
            } else {
                // Context is not a document
                if (context.ownerDocument && (elem = context.ownerDocument.
                    getElementById(m)) &&
                    contains(context, elem) && elem.id === m) {
                    results.push(elem);
                    return results;
                }
            }

            // Speed-up: Sizzle("TAG")
        } else if (match[2]) {
            push.apply(results, context.getElementsByTagName(selector));
            return results;

            // Speed-up: Sizzle(".CLASS")
        } else if ((m = match[3]) && support.getElementsByClassName && context.
            getElementsByClassName) {
            push.apply(results, context.getElementsByClassName(m));
            return results;
        }
    }

    // QSA path
    if (support.qsa && (!rbuggyQSA || !rbuggyQSA.test(selector))) {
        nid = old = expando;
        newContext = context;
        newSelector = nodeType === 9 && selector;

        // qSA works strangely on Element-rooted queries
        // We can work around this by specifying an extra ID on the root
        // and working up from there (Thanks to Andrew Dupont for the technique)
        // IE 8 doesn't work on object elements
        if (nodeType === 1 && context.nodeName.toLowerCase() !== "object") {
            groups = tokenize(selector);

            if ((old = context.getAttribute("id"))) {
                nid = old.replace(rescape, "\\$&");
            } else {
                context.setAttribute("id", nid);
            }
            nid = "[id='" + nid + "'] ";

            i = groups.length;
            while (i--) {
                groups[i] = nid + toSelector(groups[i]);
            }
            newContext = rsibling.test(selector) && context.parentNode || context;
            newSelector = groups.join(",");
        }

        if (newSelector) {
            try {
                push.apply(results,
                    newContext.querySelectorAll(newSelector)
                );
                return results;
            } catch (qsaError) {} finally {
                if (!old) {
                    context.removeAttribute("id");
                }
            }
```

```
            }
        }
    }

    // All others
    return select(selector.replace(rtrim, "$1"), context, results, seed);
}

/**
 * Create key-value caches of limited size
 * @returns {Function(string, Object)} Returns the Object data after storing it on itself
    with
 *      property name the (space-suffixed) string and (if the cache is larger than Expr.
    cacheLength)
 *      deleting the oldest entry
 */
function createCache() {
    var keys = [];

    function cache(key, value) {
        // Use (key + " ") to avoid collision with native prototype properties (see Issue
            #157)
        if (keys.push(key += " ") > Expr.cacheLength) {
            // Only keep the most recent entries
            delete cache[keys.shift()];
        }
        return (cache[key] = value);
    }
    return cache;
}

/**
 * Mark a function for special use by Sizzle
 * @param {Function} fn The function to mark
 */
function markFunction(fn) {
    fn[expando] = true;
    return fn;
}

/**
 * Support testing using an element
 * @param {Function} fn Passed the created div and expects a boolean result
 */
function assert(fn) {
    var div = document.createElement("div");

    try {
        return !!fn(div);
    } catch (e) {
        return false;
    } finally {
        // Remove from its parent by default
        if (div.parentNode) {
            div.parentNode.removeChild(div);
        }
        // release memory in IE
        div = null;
    }
}

/**
 * Adds the same handler for all of the specified attrs
 * @param {String} attrs Pipe-separated list of attributes
 * @param {Function} handler The method that will be applied
 */
function addHandle(attrs, handler) {
    var arr = attrs.split("|"),
        i = attrs.length;

    while (i--) {
        Expr.attrHandle[arr[i]] = handler;
    }
}

/**
 * Checks document order of two siblings
 * @param {Element} a
 * @param {Element} b
 * @returns {Number} Returns less than 0 if a precedes b, greater than 0 if a follows b
 */
function siblingCheck(a, b) {
    var cur = b && a,
        diff = cur && a.nodeType === 1 && b.nodeType === 1 &&
        (~b.sourceIndex || MAX_NEGATIVE) -
        (~a.sourceIndex || MAX_NEGATIVE);

    // Use IE sourceIndex if available on both nodes
    if (diff) {
        return diff;
    }
```

```
    // Check if b follows a
    if (cur) {
        while ((cur = cur.nextSibling)) {
            if (cur === b) {
                return -1;
            }
        }
    }

    return a ? 1 : -1;
}

/**
 * Returns a function to use in pseudos for input types
 * @param {String} type
 */
function createInputPseudo(type) {
    return function(elem) {
        var name = elem.nodeName.toLowerCase();
        return name === "input" && elem.type === type;
    };
}

/**
 * Returns a function to use in pseudos for buttons
 * @param {String} type
 */
function createButtonPseudo(type) {
    return function(elem) {
        var name = elem.nodeName.toLowerCase();
        return (name === "input" || name === "button") && elem.type === type;
    };
}

/**
 * Returns a function to use in pseudos for positionals
 * @param {Function} fn
 */
function createPositionalPseudo(fn) {
    return markFunction(function(argument) {
        argument = +argument;
        return markFunction(function(seed, matches) {
            var j,
                matchIndexes = fn([], seed.length, argument),
                i = matchIndexes.length;

            // Match elements found at the specified indexes
            while (i--) {
                if (seed[(j = matchIndexes[i])]) {
                    seed[j] = !(matches[j] = seed[j]);
                }
            }
        });
    });
}

/**
 * Detect xml
 * @param {Element|Object} elem An element or a document
 */
isXML = Sizzle.isXML = function(elem) {
    // documentElement is verified for cases where it doesn't yet exist
    // (such as loading iframes in IE - #4833)
    var documentElement = elem && (elem.ownerDocument || elem).documentElement;
    return documentElement ? documentElement.nodeName !== "HTML" : false;
};

// Expose support vars for convenience
support = Sizzle.support = {};

/**
 * Sets document-related variables once based on the current document
 * @param {Element|Object} [doc] An element or document object to use to set the document
 * @returns {Object} Returns the current document
 */
setDocument = Sizzle.setDocument = function(node) {
    var doc = node ? node.ownerDocument || node : preferredDoc,
        parent = doc.defaultView;

    // If no document and documentElement is available, return
    if (doc === document || doc.nodeType !== 9 || !doc.documentElement) {
        return document;
    }

    // Set our document
    document = doc;
    docElem = doc.documentElement;

    // Support tests
    documentIsHTML = !isXML(doc);

    // Support: IE>8
```

```
    // If iframe document is assigned to "document" variable and if iframe has been reloaded
        ,
    // IE will throw "permission denied" error when accessing "document" variable, see
        jQuery #13936
    // IE6-8 do not support the defaultView property so parent will be undefined
    if (parent && parent.attachEvent && parent !== parent.top) {
        parent.attachEvent("onbeforeunload", function() {
            setDocument();
        });
    }

    /* Attributes
---------------------------------------------------------------------- */

    // Support: IE<8
    // Verify that getAttribute really returns attributes and not properties (excepting IE8
        booleans)
    support.attributes = assert(function(div) {
        div.className = "i";
        return !div.getAttribute("className");
    });

    /* getElement(s)By*
---------------------------------------------------------------------- */

    // Check if getElementsByTagName("*") returns only elements
    support.getElementsByTagName = assert(function(div) {
        div.appendChild(doc.createComment(""));
        return !div.getElementsByTagName("*").length;
    });

    // Check if getElementsByClassName can be trusted
    support.getElementsByClassName = assert(function(div) {
        div.innerHTML = "<div class='a'></div><div class='a i'></div>";

        // Support: Safari<4
        // Catch class over-caching
        div.firstChild.className = "i";
        // Support: Opera<10
        // Catch gEBCN failure to find non-leading classes
        return div.getElementsByClassName("i").length === 2;
    });

    // Support: IE<10
    // Check if getElementById returns elements by name
    // The broken getElementById methods don't pick up programatically-set names,
    // so use a roundabout getElementsByName test
    support.getById = assert(function(div) {
        docElem.appendChild(div).id = expando;
        return !doc.getElementsByName || !doc.getElementsByName(expando).length;
    });

    // ID find and filter
    if (support.getById) {
        Expr.find["ID"] = function(id, context) {
            if (typeof context.getElementById !== strundefined && documentIsHTML) {
                var m = context.getElementById(id);
                // Check parentNode to catch when Blackberry 4.6 returns
                // nodes that are no longer in the document #6963
                return m && m.parentNode ? [m] : [];
            }
        };
        Expr.filter["ID"] = function(id) {
            var attrId = id.replace(runescape, funescape);
            return function(elem) {
                return elem.getAttribute("id") === attrId;
            };
        };
    } else {
        // Support: IE6/7
        // getElementById is not reliable as a find shortcut
        delete Expr.find["ID"];

        Expr.filter["ID"] = function(id) {
            var attrId = id.replace(runescape, funescape);
            return function(elem) {
                var node = typeof elem.getAttributeNode !== strundefined && elem.
                    getAttributeNode("id");
                return node && node.value === attrId;
            };
        };
    }

    // Tag
    Expr.find["TAG"] = support.getElementsByTagName ?
        function(tag, context) {
            if (typeof context.getElementsByTagName !== strundefined) {
                return context.getElementsByTagName(tag);
            }
        } :
        function(tag, context) {
            var elem,
```

```
                tmp = [],
                i = 0,
                results = context.getElementsByTagName(tag);

            // Filter out possible comments
            if (tag === "*") {
                while ((elem = results[i++])) {
                    if (elem.nodeType === 1) {
                        tmp.push(elem);
                    }
                }

                return tmp;
            }
            return results;
        };

    // Class
    Expr.find["CLASS"] = support.getElementsByClassName && function(className, context) {
        if (typeof context.getElementsByClassName !== strundefined && documentIsHTML) {
            return context.getElementsByClassName(className);
        }
    };

    /* QSA/matchesSelector
---------------------------------------------------------------------- */

    // QSA and matchesSelector support

    // matchesSelector(:active) reports false when true (IE9/Opera 11.5)
    rbuggyMatches = [];

    // qSa(:focus) reports false when true (Chrome 21)
    // We allow this because of a bug in IE8/9 that throws an error
    // whenever `document.activeElement` is accessed on an iframe
    // So, we allow :focus to pass through QSA all the time to avoid the IE error
    // See http://bugs.jquery.com/ticket/13378
    rbuggyQSA = [];

    if ((support.qsa = rnative.test(doc.querySelectorAll))) {
        // Build QSA regex
        // Regex strategy adopted from Diego Perini
        assert(function(div) {
            // Select is set to empty string on purpose
            // This is to test IE's treatment of not explicitly
            // setting a boolean content attribute,
            // since its presence should be enough
            // http://bugs.jquery.com/ticket/12359
            div.innerHTML = "<select><option selected=''></option></select>";

            // Support: IE8
            // Boolean attributes and "value" are not treated correctly
            if (!div.querySelectorAll("[selected]").length) {
                rbuggyQSA.push("\\[" + whitespace + "*(?:value|" + booleans + ")");
            }

            // Webkit/Opera - :checked should return selected option elements
            // http://www.w3.org/TR/2011/REC-css3-selectors-20110929/#checked
            // IE8 throws error here and will not see later tests
            if (!div.querySelectorAll(":checked").length) {
                rbuggyQSA.push(":checked");
            }
        });

        assert(function(div) {

            // Support: Opera 10-12/IE8
            // ^= $= *= and empty values
            // Should not select anything
            // Support: Windows 8 Native Apps
            // The type attribute is restricted during .innerHTML assignment
            var input = doc.createElement("input");
            input.setAttribute("type", "hidden");
            div.appendChild(input).setAttribute("t", "");

            if (div.querySelectorAll("[t^='']").length) {
                rbuggyQSA.push("[*^$]=" + whitespace + "*(?:''|\"\")");
            }

            // FF 3.5 - :enabled/:disabled and hidden elements (hidden elements are still
              enabled)
            // IE8 throws error here and will not see later tests
            if (!div.querySelectorAll(":enabled").length) {
                rbuggyQSA.push(":enabled", ":disabled");
            }

            // Opera 10-11 does not throw on post-comma invalid pseudos
            div.querySelectorAll("*,:x");
            rbuggyQSA.push(",.*:");
        });
    }
```

```
    if ((support.matchesSelector = rnative.test((matches = docElem.webkitMatchesSelector ||
            docElem.mozMatchesSelector ||
            docElem.oMatchesSelector ||
            docElem.msMatchesSelector)))) {

        assert(function(div) {
            // Check to see if it's possible to do matchesSelector
            // on a disconnected node (IE 9)
            support.disconnectedMatch = matches.call(div, "div");

            // This should fail with an exception
            // Gecko does not error, returns false instead
            matches.call(div, "[s!='']:x");
            rbuggyMatches.push("!=", pseudos);
        });
    }

    rbuggyQSA = rbuggyQSA.length && new RegExp(rbuggyQSA.join("|"));
    rbuggyMatches = rbuggyMatches.length && new RegExp(rbuggyMatches.join("|"));

    /* Contains
---------------------------------------------------------------------- */

    // Element contains another
    // Purposefully does not implement inclusive descendent
    // As in, an element does not contain itself
    contains = rnative.test(docElem.contains) || docElem.compareDocumentPosition ?
        function(a, b) {
            var adown = a.nodeType === 9 ? a.documentElement : a,
                bup = b && b.parentNode;
            return a === bup || !!(bup && bup.nodeType === 1 && (
                adown.contains ?
                adown.contains(bup) :
                a.compareDocumentPosition && a.compareDocumentPosition(bup) & 16
            ));
        } :
        function(a, b) {
            if (b) {
                while ((b = b.parentNode)) {
                    if (b === a) {
                        return true;
                    }
                }
            }
            return false;
        };

    /* Sorting
---------------------------------------------------------------------- */

    // Document order sorting
    sortOrder = docElem.compareDocumentPosition ?
        function(a, b) {

            // Flag for duplicate removal
            if (a === b) {
                hasDuplicate = true;
                return 0;
            }

            var compare = b.compareDocumentPosition && a.compareDocumentPosition && a.
                 compareDocumentPosition(b);

            if (compare) {
                // Disconnected nodes
                if (compare & 1 ||
                    (!support.sortDetached && b.compareDocumentPosition(a) === compare)) {

                    // Choose the first element that is related to our preferred document
                    if (a === doc || contains(preferredDoc, a)) {
                        return -1;
                    }
                    if (b === doc || contains(preferredDoc, b)) {
                        return 1;
                    }

                    // Maintain original order
                    return sortInput ?
                        (indexOf.call(sortInput, a) - indexOf.call(sortInput, b)) :
                        0;
                }

                return compare & 4 ? -1 : 1;
            }

            // Not directly comparable, sort on existence of method
            return a.compareDocumentPosition ? -1 : 1;
        } :
        function(a, b) {
            var cur,
                i = 0,
                aup = a.parentNode,
```

```
                bup = b.parentNode,
                ap = [a],
                bp = [b];

            // Exit early if the nodes are identical
            if (a === b) {
                hasDuplicate = true;
                return 0;

                // Parentless nodes are either documents or disconnected
            } else if (!aup || !bup) {
                return a === doc ? -1 :
                    b === doc ? 1 :
                    aup ? -1 :
                    bup ? 1 :
                    sortInput ?
                    (indexOf.call(sortInput, a) - indexOf.call(sortInput, b)) :
                    0;

                // If the nodes are siblings, we can do a quick check
            } else if (aup === bup) {
                return siblingCheck(a, b);
            }

            // Otherwise we need full lists of their ancestors for comparison
            cur = a;
            while ((cur = cur.parentNode)) {
                ap.unshift(cur);
            }
            cur = b;
            while ((cur = cur.parentNode)) {
                bp.unshift(cur);
            }

            // Walk down the tree looking for a discrepancy
            while (ap[i] === bp[i]) {
                i++;
            }

            return i ?
                // Do a sibling check if the nodes have a common ancestor
                siblingCheck(ap[i], bp[i]) :

                // Otherwise nodes in our document sort first
                ap[i] === preferredDoc ? -1 :
                bp[i] === preferredDoc ? 1 :
                0;
        };

    return doc;
};

Sizzle.matches = function(expr, elements) {
    return Sizzle(expr, null, null, elements);
};

Sizzle.matchesSelector = function(elem, expr) {
    // Set document vars if needed
    if ((elem.ownerDocument || elem) !== document) {
        setDocument(elem);
    }

    // Make sure that attribute selectors are quoted
    expr = expr.replace(rattributeQuotes, "='$1']");

    if (support.matchesSelector && documentIsHTML &&
        (!rbuggyMatches || !rbuggyMatches.test(expr)) &&
        (!rbuggyQSA || !rbuggyQSA.test(expr))) {

        try {
            var ret = matches.call(elem, expr);

            // IE 9's matchesSelector returns false on disconnected nodes
            if (ret || support.disconnectedMatch ||
                // As well, disconnected nodes are said to be in a document
                // fragment in IE 9
                elem.document && elem.document.nodeType !== 11) {
                return ret;
            }
        } catch (e) {}
    }

    return Sizzle(expr, document, null, [elem]).length > 0;
};

Sizzle.contains = function(context, elem) {
    // Set document vars if needed
    if ((context.ownerDocument || context) !== document) {
        setDocument(context);
    }
    return contains(context, elem);
};
```

```
Sizzle.attr = function(elem, name) {
    // Set document vars if needed
    if ((elem.ownerDocument || elem) !== document) {
        setDocument(elem);
    }

    var fn = Expr.attrHandle[name.toLowerCase()],
        // Don't get fooled by Object.prototype properties (jQuery #13807)
        val = fn && hasOwn.call(Expr.attrHandle, name.toLowerCase()) ?
        fn(elem, name, !documentIsHTML) :
        undefined;

    return val === undefined ?
        support.attributes || !documentIsHTML ?
        elem.getAttribute(name) :
        (val = elem.getAttributeNode(name)) && val.specified ?
        val.value :
        null :
        val;
};

Sizzle.error = function(msg) {
    throw new Error("Syntax error, unrecognized expression: " + msg);
};

/**
 * Document sorting and removing duplicates
 * @param {ArrayLike} results
 */
Sizzle.uniqueSort = function(results) {
    var elem,
        duplicates = [],
        j = 0,
        i = 0;

    // Unless we *know* we can detect duplicates, assume their presence
    hasDuplicate = !support.detectDuplicates;
    sortInput = !support.sortStable && results.slice(0);
    results.sort(sortOrder);

    if (hasDuplicate) {
        while ((elem = results[i++])) {
            if (elem === results[i]) {
                j = duplicates.push(i);
            }
        }
        while (j--) {
            results.splice(duplicates[j], 1);
        }
    }

    return results;
};

/**
 * Utility function for retrieving the text value of an array of DOM nodes
 * @param {Array|Element} elem
 */
getText = Sizzle.getText = function(elem) {
    var node,
        ret = "",
        i = 0,
        nodeType = elem.nodeType;

    if (!nodeType) {
        // If no nodeType, this is expected to be an array
        for (;
            (node = elem[i]); i++) {
            // Do not traverse comment nodes
            ret += getText(node);
        }
    } else if (nodeType === 1 || nodeType === 9 || nodeType === 11) {
        // Use textContent for elements
        // innerText usage removed for consistency of new lines (see #11153)
        if (typeof elem.textContent === "string") {
            return elem.textContent;
        } else {
            // Traverse its children
            for (elem = elem.firstChild; elem; elem = elem.nextSibling) {
                ret += getText(elem);
            }
        }
    } else if (nodeType === 3 || nodeType === 4) {
        return elem.nodeValue;
    }
    // Do not include comment or processing instruction nodes

    return ret;
};

Expr = Sizzle.selectors = {
```

```
// Can be adjusted by the user
cacheLength: 50,

createPseudo: markFunction,

match: matchExpr,

attrHandle: {},

find: {},

relative: {
    ">": {
        dir: "parentNode",
        first: true
    },
    " ": {
        dir: "parentNode"
    },
    "+": {
        dir: "previousSibling",
        first: true
    },
    "~": {
        dir: "previousSibling"
    }
},

preFilter: {
    "ATTR": function(match) {
        match[1] = match[1].replace(runescape, funescape);

        // Move the given value to match[3] whether quoted or unquoted
        match[3] = (match[4] || match[5] || "").replace(runescape, funescape);

        if (match[2] === "~=") {
            match[3] = " " + match[3] + " ";
        }

        return match.slice(0, 4);
    },

    "CHILD": function(match) {
        /* matches from matchExpr["CHILD"]
                    1 type (only|nth|...)
                    2 what (child|of-type)
                    3 argument (even|odd|\d*|\d*n([+-]\d+)?|...)
                    4 xn-component of xn+y argument ([+-]?\d*n|)
                    5 sign of xn-component
                    6 x of xn-component
                    7 sign of y-component
                    8 y of y-component
        */
        match[1] = match[1].toLowerCase();

        if (match[1].slice(0, 3) === "nth") {
            // nth-* requires argument
            if (!match[3]) {
                Sizzle.error(match[0]);
            }

            // numeric x and y parameters for Expr.filter.CHILD
            // remember that false/true cast respectively to 0/1
            match[4] = +(match[4] ? match[5] + (match[6] || 1) : 2 * (match[3] === "even
                " || match[3] === "odd"));
            match[5] = +((match[7] + match[8]) || match[3] === "odd");

            // other types prohibit arguments
        } else if (match[3]) {
            Sizzle.error(match[0]);
        }

        return match;
    },

    "PSEUDO": function(match) {
        var excess,
            unquoted = !match[5] && match[2];

        if (matchExpr["CHILD"].test(match[0])) {
            return null;
        }


        // Accept quoted arguments as-is
        if (match[3] && match[4] !== undefined) {
            match[2] = match[4];

            // Strip excess characters from unquoted arguments
        } else if (unquoted && rpseudo.test(unquoted) &&
            // Get excess from tokenize (recursively)
```

```
            (excess = tokenize(unquoted, true)) &&
            // advance to the next closing parenthesis
            (excess = unquoted.indexOf(")", unquoted.length - excess) - unquoted.length)
                ) {

            // excess is a negative index
            match[0] = match[0].slice(0, excess);
            match[2] = unquoted.slice(0, excess);
        }

        // Return only captures needed by the pseudo filter method (type and argument)
        return match.slice(0, 3);
    }
},

filter: {

    "TAG": function(nodeNameSelector) {
        var nodeName = nodeNameSelector.replace(runescape, funescape).toLowerCase();
        return nodeNameSelector === "*" ?
            function() {
                return true;
            } :
            function(elem) {
                return elem.nodeName && elem.nodeName.toLowerCase() === nodeName;
            };
    },

    "CLASS": function(className) {
        var pattern = classCache[className + " "];

        return pattern ||
            (pattern = new RegExp("(^|" + whitespace + ")" + className + "(" +
                whitespace + "|$)")) &&
            classCache(className, function(elem) {
                return pattern.test(typeof elem.className === "string" && elem.className
                    || typeof elem.getAttribute !== strundefined && elem.getAttribute
                    ("class") || "");
            });
    },

    "ATTR": function(name, operator, check) {
        return function(elem) {
            var result = Sizzle.attr(elem, name);

            if (result == null) {
                return operator === "!=";
            }
            if (!operator) {
                return true;
            }

            result += "";

            return operator === "=" ? result === check :
                operator === "!=" ? result !== check :
                operator === "^=" ? check && result.indexOf(check) === 0 :
                operator === "*=" ? check && result.indexOf(check) > -1 :
                operator === "$=" ? check && result.slice(-check.length) === check :
                operator === "~=" ? (" " + result + " ").indexOf(check) > -1 :
                operator === "|=" ? result === check || result.slice(0, check.length +
                    1) === check + "-" :
                false;
        };
    },

    "CHILD": function(type, what, argument, first, last) {
        var simple = type.slice(0, 3) !== "nth",
            forward = type.slice(-4) !== "last",
            ofType = what === "of-type";

        return first === 1 && last === 0 ?

            // Shortcut for :nth-*(n)
            function(elem) {
                return !!elem.parentNode;
            } :

            function(elem, context, xml) {
                var cache, outerCache, node, diff, nodeIndex, start,
                    dir = simple !== forward ? "nextSibling" : "previousSibling",
                    parent = elem.parentNode,
                    name = ofType && elem.nodeName.toLowerCase(),
                    useCache = !xml && !ofType;

                if (parent) {

                    // :(first|last|only)-(child|of-type)
                    if (simple) {
                        while (dir) {
                            node = elem;
                            while ((node = node[dir])) {
```

```
                                if (ofType ? node.nodeName.toLowerCase() === name : node
                                    .nodeType === 1) {
                                    return false;
                                }
                            }
                            // Reverse direction for :only-* (if we haven't yet done so)
                            start = dir = type === "only" && !start && "nextSibling";
                        }
                        return true;
                    }

                    start = [forward ? parent.firstChild : parent.lastChild];

                    // non-xml :nth-child(...) stores cache data on `parent`
                    if (forward && useCache) {
                        // Seek `elem` from a previously-cached index
                        outerCache = parent[expando] || (parent[expando] = {});
                        cache = outerCache[type] || [];
                        nodeIndex = cache[0] === dirruns && cache[1];
                        diff = cache[0] === dirruns && cache[2];
                        node = nodeIndex && parent.childNodes[nodeIndex];

                        while ((node = ++nodeIndex && node && node[dir] ||

                                // Fallback to seeking `elem` from the start
                                (diff = nodeIndex = 0) || start.pop())) {

                            // When found, cache indexes on `parent` and break
                            if (node.nodeType === 1 && ++diff && node === elem) {
                                outerCache[type] = [dirruns, nodeIndex, diff];
                                break;
                            }
                        }

                        // Use previously-cached element index if available
                    } else if (useCache && (cache = (elem[expando] || (elem[expando] =
                        {}))[type]) && cache[0] === dirruns) {
                        diff = cache[1];

                        // xml :nth-child(...) or :nth-last-child(...) or :nth(-last)?-
                            of-type(...)
                    } else {
                        // Use the same loop as above to seek `elem` from the start
                        while ((node = ++nodeIndex && node && node[dir] ||
                                (diff = nodeIndex = 0) || start.pop())) {

                            if ((ofType ? node.nodeName.toLowerCase() === name : node.
                                nodeType === 1) && ++diff) {
                                // Cache the index of each encountered element
                                if (useCache) {
                                    (node[expando] || (node[expando] = {}))[type] = [
                                        dirruns, diff];
                                }

                                if (node === elem) {
                                    break;
                                }
                            }
                        }
                    }

                    // Incorporate the offset, then check against cycle size
                    diff -= last;
                    return diff === first || (diff % first === 0 && diff / first >= 0);
                }
            };
},

"PSEUDO": function(pseudo, argument) {
    // pseudo-class names are case-insensitive
    // http://www.w3.org/TR/selectors/#pseudo-classes
    // Prioritize by case sensitivity in case custom pseudos are added with
        uppercase letters
    // Remember that setFilters inherits from pseudos
    var args,
        fn = Expr.pseudos[pseudo] || Expr.setFilters[pseudo.toLowerCase()] ||
        Sizzle.error("unsupported pseudo: " + pseudo);

    // The user may use createPseudo to indicate that
    // arguments are needed to create the filter function
    // just as Sizzle does
    if (fn[expando]) {
        return fn(argument);
    }

    // But maintain support for old signatures
    if (fn.length > 1) {
        args = [pseudo, pseudo, "", argument];
        return Expr.setFilters.hasOwnProperty(pseudo.toLowerCase()) ?
            markFunction(function(seed, matches) {
                var idx,
                    matched = fn(seed, argument),
```

```
                        i = matched.length;
                    while (i--) {
                        idx = indexOf.call(seed, matched[i]);
                        seed[idx] = !(matches[idx] = matched[i]);
                    }
                }) :
                function(elem) {
                    return fn(elem, 0, args);
                };
        }

        return fn;
    }
},

pseudos: {
    // Potentially complex pseudos
    "not": markFunction(function(selector) {
        // Trim the selector passed to compile
        // to avoid treating leading and trailing
        // spaces as combinators
        var input = [],
            results = [],
            matcher = compile(selector.replace(rtrim, "$1"));

        return matcher[expando] ?
            markFunction(function(seed, matches, context, xml) {
                var elem,
                    unmatched = matcher(seed, null, xml, []),
                    i = seed.length;

                // Match elements unmatched by `matcher`
                while (i--) {
                    if ((elem = unmatched[i])) {
                        seed[i] = !(matches[i] = elem);
                    }
                }
            }) :
            function(elem, context, xml) {
                input[0] = elem;
                matcher(input, null, xml, results);
                return !results.pop();
            };
    }),

    "has": markFunction(function(selector) {
        return function(elem) {
            return Sizzle(selector, elem).length > 0;
        };
    }),

    "contains": markFunction(function(text) {
        return function(elem) {
            return (elem.textContent || elem.innerText || getText(elem)).indexOf(text) >
                -1;
        };
    }),

    // "Whether an element is represented by a :lang() selector
    // is based solely on the element's language value
    // being equal to the identifier C,
    // or beginning with the identifier C immediately followed by "-".
    // The matching of C against the element's language value is performed case-
        insensitively.
    // The identifier C does not have to be a valid language name."
    // http://www.w3.org/TR/selectors/#lang-pseudo
    "lang": markFunction(function(lang) {
        // lang value must be a valid identifier
        if (!ridentifier.test(lang || "")) {
            Sizzle.error("unsupported lang: " + lang);
        }
        lang = lang.replace(runescape, funescape).toLowerCase();
        return function(elem) {
            var elemLang;
            do {
                if ((elemLang = documentIsHTML ?
                        elem.lang :
                        elem.getAttribute("xml:lang") || elem.getAttribute("lang"))) {

                    elemLang = elemLang.toLowerCase();
                    return elemLang === lang || elemLang.indexOf(lang + "-") === 0;
                }
            } while ((elem = elem.parentNode) && elem.nodeType === 1);
            return false;
        };
    }),

    // Miscellaneous
    "target": function(elem) {
        var hash = window.location && window.location.hash;
        return hash && hash.slice(1) === elem.id;
    },
```

```
"root": function(elem) {
    return elem === docElem;
},

"focus": function(elem) {
    return elem === document.activeElement && (!document.hasFocus || document.
        hasFocus()) && !!(elem.type || elem.href || ~elem.tabIndex);
},

// Boolean properties
"enabled": function(elem) {
    return elem.disabled === false;
},

"disabled": function(elem) {
    return elem.disabled === true;
},

"checked": function(elem) {
    // In CSS3, :checked should return both checked and selected elements
    // http://www.w3.org/TR/2011/REC-css3-selectors-20110929/#checked
    var nodeName = elem.nodeName.toLowerCase();
    return (nodeName === "input" && !!elem.checked) || (nodeName === "option" && !!
        elem.selected);
},

"selected": function(elem) {
    // Accessing this property makes selected-by-default
    // options in Safari work properly
    if (elem.parentNode) {
        elem.parentNode.selectedIndex;
    }

    return elem.selected === true;
},

// Contents
"empty": function(elem) {
    // http://www.w3.org/TR/selectors/#empty-pseudo
    // :empty is only affected by element nodes and content nodes(including text(3),
        cdata(4)),
    //   not comment, processing instructions, or others
    // Thanks to Diego Perini for the nodeName shortcut
    //   Greater than "@" means alpha characters (specifically not starting with "#"
        or "?")
    for (elem = elem.firstChild; elem; elem = elem.nextSibling) {
        if (elem.nodeName > "@" || elem.nodeType === 3 || elem.nodeType === 4) {
            return false;
        }
    }
    return true;
},

"parent": function(elem) {
    return !Expr.pseudos["empty"](elem);
},

// Element/input types
"header": function(elem) {
    return rheader.test(elem.nodeName);
},

"input": function(elem) {
    return rinputs.test(elem.nodeName);
},

"button": function(elem) {
    var name = elem.nodeName.toLowerCase();
    return name === "input" && elem.type === "button" || name === "button";
},

"text": function(elem) {
    var attr;
    // IE6 and 7 will map elem.type to 'text' for new HTML5 types (search, etc)
    // use getAttribute instead to test this case
    return elem.nodeName.toLowerCase() === "input" &&
        elem.type === "text" &&
        ((attr = elem.getAttribute("type")) == null || attr.toLowerCase() === elem.
            type);
},

// Position-in-collection
"first": createPositionalPseudo(function() {
    return [0];
}),

"last": createPositionalPseudo(function(matchIndexes, length) {
    return [length - 1];
}),

"eq": createPositionalPseudo(function(matchIndexes, length, argument) {
```

```
            return [argument < 0 ? argument + length : argument];
        }),

        "even": createPositionalPseudo(function(matchIndexes, length) {
            var i = 0;
            for (; i < length; i += 2) {
                matchIndexes.push(i);
            }
            return matchIndexes;
        }),

        "odd": createPositionalPseudo(function(matchIndexes, length) {
            var i = 1;
            for (; i < length; i += 2) {
                matchIndexes.push(i);
            }
            return matchIndexes;
        }),

        "lt": createPositionalPseudo(function(matchIndexes, length, argument) {
            var i = argument < 0 ? argument + length : argument;
            for (; --i >= 0;) {
                matchIndexes.push(i);
            }
            return matchIndexes;
        }),

        "gt": createPositionalPseudo(function(matchIndexes, length, argument) {
            var i = argument < 0 ? argument + length : argument;
            for (; ++i < length;) {
                matchIndexes.push(i);
            }
            return matchIndexes;
        })
    }
};

Expr.pseudos["nth"] = Expr.pseudos["eq"];

// Add button/input type pseudos
for (i in {
        radio: true,
        checkbox: true,
        file: true,
        password: true,
        image: true
    }) {
    Expr.pseudos[i] = createInputPseudo(i);
}
for (i in {
        submit: true,
        reset: true
    }) {
    Expr.pseudos[i] = createButtonPseudo(i);
}

// Easy API for creating new setFilters
function setFilters() {}
setFilters.prototype = Expr.filters = Expr.pseudos;
Expr.setFilters = new setFilters();

function tokenize(selector, parseOnly) {
    var matched, match, tokens, type,
        soFar, groups, preFilters,
        cached = tokenCache[selector + " "];

    if (cached) {
        return parseOnly ? 0 : cached.slice(0);
    }

    soFar = selector;
    groups = [];
    preFilters = Expr.preFilter;

    while (soFar) {

        // Comma and first run
        if (!matched || (match = rcomma.exec(soFar))) {
            if (match) {
                // Don't consume trailing commas as valid
                soFar = soFar.slice(match[0].length) || soFar;
            }
            groups.push(tokens = []);
        }

        matched = false;

        // Combinators
        if ((match = rcombinators.exec(soFar))) {
            matched = match.shift();
            tokens.push({
                value: matched,
```

```
                    // Cast descendant combinators to space
                    type: match[0].replace(rtrim, " ")
                });
                soFar = soFar.slice(matched.length);
            }

            // Filters
            for (type in Expr.filter) {
                if ((match = matchExpr[type].exec(soFar)) && (!preFilters[type] ||
                        (match = preFilters[type](match)))) {
                    matched = match.shift();
                    tokens.push({
                        value: matched,
                        type: type,
                        matches: match
                    });
                    soFar = soFar.slice(matched.length);
                }
            }

            if (!matched) {
                break;
            }
        }

        // Return the length of the invalid excess
        // if we're just parsing
        // Otherwise, throw an error or return tokens
        return parseOnly ?
            soFar.length :
            soFar ?
            Sizzle.error(selector) :
            // Cache the tokens
            tokenCache(selector, groups).slice(0);
    }

    function toSelector(tokens) {
        var i = 0,
            len = tokens.length,
            selector = "";
        for (; i < len; i++) {
            selector += tokens[i].value;
        }
        return selector;
    }

    function addCombinator(matcher, combinator, base) {
        var dir = combinator.dir,
            checkNonElements = base && dir === "parentNode",
            doneName = done++;

        return combinator.first ?
            // Check against closest ancestor/preceding element
            function(elem, context, xml) {
                while ((elem = elem[dir])) {
                    if (elem.nodeType === 1 || checkNonElements) {
                        return matcher(elem, context, xml);
                    }
                }
            } :

            // Check against all ancestor/preceding elements
            function(elem, context, xml) {
                var data, cache, outerCache,
                    dirkey = dirruns + " " + doneName;

                // We can't set arbitrary data on XML nodes, so they don't benefit from dir
                    caching
                if (xml) {
                    while ((elem = elem[dir])) {
                        if (elem.nodeType === 1 || checkNonElements) {
                            if (matcher(elem, context, xml)) {
                                return true;
                            }
                        }
                    }
                } else {
                    while ((elem = elem[dir])) {
                        if (elem.nodeType === 1 || checkNonElements) {
                            outerCache = elem[expando] || (elem[expando] = {});
                            if ((cache = outerCache[dir]) && cache[0] === dirkey) {
                                if ((data = cache[1]) === true || data === cachedruns) {
                                    return data === true;
                                }
                            } else {
                                cache = outerCache[dir] = [dirkey];
                                cache[1] = matcher(elem, context, xml) || cachedruns;
                                if (cache[1] === true) {
                                    return true;
                                }
                            }
                        }
```

```
                }
            }
        };
}

function elementMatcher(matchers) {
    return matchers.length > 1 ?
        function(elem, context, xml) {
            var i = matchers.length;
            while (i--) {
                if (!matchers[i](elem, context, xml)) {
                    return false;
                }
            }
            return true;
        } :
        matchers[0];
}

function condense(unmatched, map, filter, context, xml) {
    var elem,
        newUnmatched = [],
        i = 0,
        len = unmatched.length,
        mapped = map != null;

    for (; i < len; i++) {
        if ((elem = unmatched[i])) {
            if (!filter || filter(elem, context, xml)) {
                newUnmatched.push(elem);
                if (mapped) {
                    map.push(i);
                }
            }
        }
    }

    return newUnmatched;
}

function setMatcher(preFilter, selector, matcher, postFilter, postFinder, postSelector) {
    if (postFilter && !postFilter[expando]) {
        postFilter = setMatcher(postFilter);
    }
    if (postFinder && !postFinder[expando]) {
        postFinder = setMatcher(postFinder, postSelector);
    }
    return markFunction(function(seed, results, context, xml) {
        var temp, i, elem,
            preMap = [],
            postMap = [],
            preexisting = results.length,

            // Get initial elements from seed or context
            elems = seed || multipleContexts(selector || "*", context.nodeType ? [context] :
                context, []),

            // Prefilter to get matcher input, preserving a map for seed-results
                synchronization
            matcherIn = preFilter && (seed || !selector) ?
            condense(elems, preMap, preFilter, context, xml) :
            elems,

            matcherOut = matcher ?
            // If we have a postFinder, or filtered seed, or non-seed postFilter or
                preexisting results,
            postFinder || (seed ? preFilter : preexisting || postFilter) ?

            // ...intermediate processing is necessary
            [] :

            // ...otherwise use results directly
            results :
            matcherIn;

        // Find primary matches
        if (matcher) {
            matcher(matcherIn, matcherOut, context, xml);
        }

        // Apply postFilter
        if (postFilter) {
            temp = condense(matcherOut, postMap);
            postFilter(temp, [], context, xml);

            // Un-match failing elements by moving them back to matcherIn
            i = temp.length;
            while (i--) {
                if ((elem = temp[i])) {
                    matcherOut[postMap[i]] = !(matcherIn[postMap[i]] = elem);
                }
            }
```

```
            }

            if (seed) {
                if (postFinder || preFilter) {
                    if (postFinder) {
                        // Get the final matcherOut by condensing this intermediate into
                            postFinder contexts
                        temp = [];
                        i = matcherOut.length;
                        while (i--) {
                            if ((elem = matcherOut[i])) {
                                // Restore matcherIn since elem is not yet a final match
                                temp.push((matcherIn[i] = elem));
                            }
                        }
                        postFinder(null, (matcherOut = []), temp, xml);
                    }

                    // Move matched elements from seed to results to keep them synchronized
                    i = matcherOut.length;
                    while (i--) {
                        if ((elem = matcherOut[i]) &&
                            (temp = postFinder ? indexOf.call(seed, elem) : preMap[i]) > -1) {

                            seed[temp] = !(results[temp] = elem);
                        }
                    }
                }

                // Add elements to results, through postFinder if defined
            } else {
                matcherOut = condense(
                    matcherOut === results ?
                    matcherOut.splice(preexisting, matcherOut.length) :
                    matcherOut
                );
                if (postFinder) {
                    postFinder(null, results, matcherOut, xml);
                } else {
                    push.apply(results, matcherOut);
                }
            }
        });
    }

    function matcherFromTokens(tokens) {
        var checkContext, matcher, j,
            len = tokens.length,
            leadingRelative = Expr.relative[tokens[0].type],
            implicitRelative = leadingRelative || Expr.relative[" "],
            i = leadingRelative ? 1 : 0,

            // The foundational matcher ensures that elements are reachable from top-level
                context(s)
            matchContext = addCombinator(function(elem) {
                return elem === checkContext;
            }, implicitRelative, true),
            matchAnyContext = addCombinator(function(elem) {
                return indexOf.call(checkContext, elem) > -1;
            }, implicitRelative, true),
            matchers = [function(elem, context, xml) {
                return (!leadingRelative && (xml || context !== outermostContext)) || (
                    (checkContext = context).nodeType ?
                    matchContext(elem, context, xml) :
                    matchAnyContext(elem, context, xml));
            }];

        for (; i < len; i++) {
            if ((matcher = Expr.relative[tokens[i].type])) {
                matchers = [addCombinator(elementMatcher(matchers), matcher)];
            } else {
                matcher = Expr.filter[tokens[i].type].apply(null, tokens[i].matches);

                // Return special upon seeing a positional matcher
                if (matcher[expando]) {
                    // Find the next relative operator (if any) for proper handling
                    j = ++i;
                    for (; j < len; j++) {
                        if (Expr.relative[tokens[j].type]) {
                            break;
                        }
                    }
                    return setMatcher(
                        i > 1 && elementMatcher(matchers),
                        i > 1 && toSelector(
                            // If the preceding token was a descendant combinator, insert an
                                implicit any-element `*`
                            tokens.slice(0, i - 1).concat({
                                value: tokens[i - 2].type === " " ? "*" : ""
                            })
                        ).replace(rtrim, "$1"),
                        matcher,
```

```
                        i < j && matcherFromTokens(tokens.slice(i, j)),
                        j < len && matcherFromTokens((tokens = tokens.slice(j))),
                        j < len && toSelector(tokens)
                    );
                }
                matchers.push(matcher);
            }
        }

        return elementMatcher(matchers);
    }

    function matcherFromGroupMatchers(elementMatchers, setMatchers) {
        // A counter to specify which element is currently being matched
        var matcherCachedRuns = 0,
            bySet = setMatchers.length > 0,
            byElement = elementMatchers.length > 0,
            superMatcher = function(seed, context, xml, results, expandContext) {
                var elem, j, matcher,
                    setMatched = [],
                    matchedCount = 0,
                    i = "0",
                    unmatched = seed && [],
                    outermost = expandContext != null,
                    contextBackup = outermostContext,
                    // We must always have either seed elements or context
                    elems = seed || byElement && Expr.find["TAG"]("*", expandContext && context.
                        parentNode || context),
                    // Use integer dirruns iff this is the outermost matcher
                    dirrunsUnique = (dirruns += contextBackup == null ? 1 : Math.random() ||
                        0.1);

                if (outermost) {
                    outermostContext = context !== document && context;
                    cachedruns = matcherCachedRuns;
                }

                // Add elements passing elementMatchers directly to results
                // Keep `i` a string if there are no elements so `matchedCount` will be "00"
                    below
                for (;
                    (elem = elems[i]) != null; i++) {
                    if (byElement && elem) {
                        j = 0;
                        while ((matcher = elementMatchers[j++])) {
                            if (matcher(elem, context, xml)) {
                                results.push(elem);
                                break;
                            }
                        }
                        if (outermost) {
                            dirruns = dirrunsUnique;
                            cachedruns = ++matcherCachedRuns;
                        }
                    }

                    // Track unmatched elements for set filters
                    if (bySet) {
                        // They will have gone through all possible matchers
                        if ((elem = !matcher && elem)) {
                            matchedCount--;
                        }

                        // Lengthen the array for every element, matched or not
                        if (seed) {
                            unmatched.push(elem);
                        }
                    }
                }

                // Apply set filters to unmatched elements
                matchedCount += i;
                if (bySet && i !== matchedCount) {
                    j = 0;
                    while ((matcher = setMatchers[j++])) {
                        matcher(unmatched, setMatched, context, xml);
                    }

                    if (seed) {
                        // Reintegrate element matches to eliminate the need for sorting
                        if (matchedCount > 0) {
                            while (i--) {
                                if (!(unmatched[i] || setMatched[i])) {
                                    setMatched[i] = pop.call(results);
                                }
                            }
                        }

                        // Discard index placeholder values to get only actual matches
                        setMatched = condense(setMatched);
                    }
```

```
                // Add matches to results
                push.apply( results, setMatched );

                // Seedless set matches succeeding multiple successful matchers stipulate
                    sorting
                if ( outermost && !seed && setMatched.length > 0 &&
                    ( matchedCount + setMatchers.length ) > 1 ) {

                    Sizzle.uniqueSort( results );
                }
            }

            // Override manipulation of globals by nested matchers
            if ( outermost ) {
                dirruns = dirrunsUnique;
                outermostContext = contextBackup;
            }

            return unmatched;
        };

    return bySet ?
        markFunction( superMatcher ) :
        superMatcher;
}

compile = Sizzle.compile = function( selector, group /* Internal Use Only */ ) {
    var i,
        setMatchers = [],
        elementMatchers = [],
        cached = compilerCache[ selector + " " ];

    if ( !cached ) {
        // Generate a function of recursive functions that can be used to check each element
        if ( !group ) {
            group = tokenize( selector );
        }
        i = group.length;
        while ( i-- ) {
            cached = matcherFromTokens( group[i] );
            if ( cached[ expando ] ) {
                setMatchers.push( cached );
            } else {
                elementMatchers.push( cached );
            }
        }

        // Cache the compiled function
        cached = compilerCache( selector, matcherFromGroupMatchers( elementMatchers,
            setMatchers ) );
    }
    return cached;
};

function multipleContexts( selector, contexts, results ) {
    var i = 0,
        len = contexts.length;
    for ( ; i < len; i++ ) {
        Sizzle( selector, contexts[i], results );
    }
    return results;
}

function select( selector, context, results, seed ) {
    var i, tokens, token, type, find,
        match = tokenize( selector );

    if ( !seed ) {
        // Try to minimize operations if there is only one group
        if ( match.length === 1 ) {

            // Take a shortcut and set the context if the root selector is an ID
            tokens = match[0] = match[0].slice( 0 );
            if ( tokens.length > 2 && ( token = tokens[0] ).type === "ID" &&
                support.getById && context.nodeType === 9 && documentIsHTML &&
                Expr.relative[ tokens[1].type ] ) {

                context = ( Expr.find["ID"]( token.matches[0].replace( runescape, funescape ),
                    context ) || [] )[0];
                if ( !context ) {
                    return results;
                }
                selector = selector.slice( tokens.shift().value.length );
            }

            // Fetch a seed set for right-to-left matching
            i = matchExpr["needsContext"].test( selector ) ? 0 : tokens.length;
            while ( i-- ) {
                token = tokens[i];

                // Abort if we hit a combinator
                if ( Expr.relative[ (type = token.type) ] ) {
```

```
                    break;
                }
                if ((find = Expr.find[type])) {
                    // Search, expanding context for leading sibling combinators
                    if ((seed = find(
                            token.matches[0].replace(runescape, funescape),
                            rsibling.test(tokens[0].type) && context.parentNode || context
                        ))) {

                        // If seed is empty or no tokens remain, we can return early
                        tokens.splice(i, 1);
                        selector = seed.length && toSelector(tokens);
                        if (!selector) {
                            push.apply(results, seed);
                            return results;
                        }

                        break;
                    }
                }
            }
        }
    }

    // Compile and execute a filtering function
    // Provide `match` to avoid retokenization if we modified the selector above
    compile(selector, match)(
        seed,
        context, !documentIsHTML,
        results,
        rsibling.test(selector)
    );
    return results;
}

// One-time assignments

// Sort stability
support.sortStable = expando.split("").sort(sortOrder).join("") === expando;

// Support: Chrome<14
// Always assume duplicates if they aren't passed to the comparison function
support.detectDuplicates = hasDuplicate;

// Initialize against the default document
setDocument();

// Support: Webkit<537.32 - Safari 6.0.3/Chrome 25 (fixed in Chrome 27)
// Detached nodes confoundingly follow *each other*
support.sortDetached = assert(function(div1) {
    // Should return 1, but returns 4 (following)
    return div1.compareDocumentPosition(document.createElement("div")) & 1;
});

// Support: IE<8
// Prevent attribute/property "interpolation"
// http://msdn.microsoft.com/en-us/library/ms536429%28VS.85%29.aspx
if (!assert(function(div) {
        div.innerHTML = "<a href='#'></a>";
        return div.firstChild.getAttribute("href") === "#";
    })) {
    addHandle("type|href|height|width", function(elem, name, isXML) {
        if (!isXML) {
            return elem.getAttribute(name, name.toLowerCase() === "type" ? 1 : 2);
        }
    });
}

// Support: IE<9
// Use defaultValue in place of getAttribute("value")
if (!support.attributes || !assert(function(div) {
        div.innerHTML = "<input/>";
        div.firstChild.setAttribute("value", "");
        return div.firstChild.getAttribute("value") === "";
    })) {
    addHandle("value", function(elem, name, isXML) {
        if (!isXML && elem.nodeName.toLowerCase() === "input") {
            return elem.defaultValue;
        }
    });
}

// Support: IE<9
// Use getAttributeNode to fetch booleans when getAttribute lies
if (!assert(function(div) {
        return div.getAttribute("disabled") == null;
    })) {
    addHandle(booleans, function(elem, name, isXML) {
        var val;
        if (!isXML) {
            return (val = elem.getAttributeNode(name)) && val.specified ?
                val.value :
```

```
                    elem[name] === true ? name.toLowerCase() : null;
            }
        });
    }

    jQuery.find = Sizzle;
    jQuery.expr = Sizzle.selectors;
    jQuery.expr[":"] = jQuery.expr.pseudos;
    jQuery.unique = Sizzle.uniqueSort;
    jQuery.text = Sizzle.getText;
    jQuery.isXMLDoc = Sizzle.isXML;
    jQuery.contains = Sizzle.contains;



})(window);
// String to Object options format cache
var optionsCache = {};

// Convert String-formatted options into Object-formatted ones and store in cache
function createOptions(options) {
    var object = optionsCache[options] = {};
    jQuery.each(options.match(core_rnotwhite) || [], function(_, flag) {
        object[flag] = true;
    });
    return object;
}

/*
 * Create a callback list using the following parameters:
 *
 *  options: an optional list of space-separated options that will change how
 *                  the callback list behaves or a more traditional option object
 *
 * By default a callback list will act like an event callback list and can be
 * "fired" multiple times.
 *
 * Possible options:
 *
 *  once:                   will ensure the callback list can only be fired once (like a
     Deferred)
 *
 *  memory:                 will keep track of previous values and will call any callback added
 *                                  after the list has been fired right away with the latest "
     memorized"
 *                                  values (like a Deferred)
 *
 *  unique:                 will ensure a callback can only be added once (no duplicate in the
     list)
 *
 *  stopOnFalse:    interrupt callings when a callback returns false
 *
 */
jQuery.Callbacks = function(options) {

    // Convert options from String-formatted to Object-formatted if needed
    // (we check in cache first)
    options = typeof options === "string" ?
        (optionsCache[options] || createOptions(options)) :
        jQuery.extend({}, options);

    var // Flag to know if list is currently firing
        firing,
        // Last fire value (for non-forgettable lists)
        memory,
        // Flag to know if list was already fired
        fired,
        // End of the loop when firing
        firingLength,
        // Index of currently firing callback (modified by remove if needed)
        firingIndex,
        // First callback to fire (used internally by add and fireWith)
        firingStart,
        // Actual callback list
        list = [],
        // Stack of fire calls for repeatable lists
        stack = !options.once && [],
        // Fire callbacks
        fire = function(data) {
            memory = options.memory && data;
            fired = true;
            firingIndex = firingStart || 0;
            firingStart = 0;
            firingLength = list.length;
            firing = true;
            for (; list && firingIndex < firingLength; firingIndex++) {
                if (list[firingIndex].apply(data[0], data[1]) === false && options.stopOnFalse)
                    {
                    memory = false; // To prevent further calls using add
                    break;
                }
```

```
    }
    firing = false;
    if (list) {
        if (stack) {
            if (stack.length) {
                fire(stack.shift());
            }
        } else if (memory) {
            list = [];
        } else {
            self.disable();
        }
    }
},
// Actual Callbacks object
self = {
    // Add a callback or a collection of callbacks to the list
    add: function() {
        if (list) {
            // First, we save the current length
            var start = list.length;
            (function add(args) {
                jQuery.each(args, function(_, arg) {
                    var type = jQuery.type(arg);
                    if (type === "function") {
                        if (!options.unique || !self.has(arg)) {
                            list.push(arg);
                        }
                    } else if (arg && arg.length && type !== "string") {
                        // Inspect recursively
                        add(arg);
                    }
                });
            })(arguments);
            // Do we need to add the callbacks to the
            // current firing batch?
            if (firing) {
                firingLength = list.length;
                // With memory, if we're not firing then
                // we should call right away
            } else if (memory) {
                firingStart = start;
                fire(memory);
            }
        }
        return this;
    },
    // Remove a callback from the list
    remove: function() {
        if (list) {
            jQuery.each(arguments, function(_, arg) {
                var index;
                while ((index = jQuery.inArray(arg, list, index)) > -1) {
                    list.splice(index, 1);
                    // Handle firing indexes
                    if (firing) {
                        if (index <= firingLength) {
                            firingLength--;
                        }
                        if (index <= firingIndex) {
                            firingIndex--;
                        }
                    }
                }
            });
        }
        return this;
    },
    // Check if a given callback is in the list.
    // If no argument is given, return whether or not list has callbacks attached.
    has: function(fn) {
        return fn ? jQuery.inArray(fn, list) > -1 : !!(list && list.length);
    },
    // Remove all callbacks from the list
    empty: function() {
        list = [];
        firingLength = 0;
        return this;
    },
    // Have the list do nothing anymore
    disable: function() {
        list = stack = memory = undefined;
        return this;
    },
    // Is it disabled?
    disabled: function() {
        return !list;
    },
    // Lock the list in its current state
    lock: function() {
        stack = undefined;
        if (!memory) {
```

```
                    self.disable();
                }
                return this;
            },
            // Is it locked?
            locked: function() {
                return !stack;
            },
            // Call all callbacks with the given context and arguments
            fireWith: function(context, args) {
                if (list && (!fired || stack)) {
                    args = args || [];
                    args = [context, args.slice ? args.slice() : args];
                    if (firing) {
                        stack.push(args);
                    } else {
                        fire(args);
                    }
                }
                return this;
            },
            // Call all the callbacks with the given arguments
            fire: function() {
                self.fireWith(this, arguments);
                return this;
            },
            // To know if the callbacks have already been called at least once
            fired: function() {
                return !!fired;
            }
        };

    return self;
};
jQuery.extend({

    Deferred: function(func) {
        var tuples = [
                // action, add listener, listener list, final state
                ["resolve", "done", jQuery.Callbacks("once memory"), "resolved"],
                ["reject", "fail", jQuery.Callbacks("once memory"), "rejected"],
                ["notify", "progress", jQuery.Callbacks("memory")]
            ],
            state = "pending",
            promise = {
                state: function() {
                    return state;
                },
                always: function() {
                    deferred.done(arguments).fail(arguments);
                    return this;
                },
                then: function( /* fnDone, fnFail, fnProgress */ ) {
                    var fns = arguments;
                    return jQuery.Deferred(function(newDefer) {
                        jQuery.each(tuples, function(i, tuple) {
                            var action = tuple[0],
                                fn = jQuery.isFunction(fns[i]) && fns[i];
                            // deferred[ done | fail | progress ] for forwarding actions to
                                newDefer
                            deferred[tuple[1]](function() {
                                var returned = fn && fn.apply(this, arguments);
                                if (returned && jQuery.isFunction(returned.promise)) {
                                    returned.promise()
                                        .done(newDefer.resolve)
                                        .fail(newDefer.reject)
                                        .progress(newDefer.notify);
                                } else {
                                    newDefer[action + "With"](this === promise ? newDefer.
                                        promise() : this, fn ? [returned] : arguments);
                                }
                            });
                        });
                        fns = null;
                    }).promise();
                },
                // Get a promise for this deferred
                // If obj is provided, the promise aspect is added to the object
                promise: function(obj) {
                    return obj != null ? jQuery.extend(obj, promise) : promise;
                }
            },
            deferred = {};

        // Keep pipe for back-compat
        promise.pipe = promise.then;

        // Add list-specific methods
        jQuery.each(tuples, function(i, tuple) {
            var list = tuple[2],
                stateString = tuple[3];
```

```
            // promise[ done | fail | progress ] = list.add
            promise[tuple[1]] = list.add;

            // Handle state
            if (stateString) {
                list.add(function() {
                    // state = [ resolved | rejected ]
                    state = stateString;

                    // [ reject_list | resolve_list ].disable; progress_list.lock
                }, tuples[i ^ 1][2].disable, tuples[2][2].lock);
            }

            // deferred[ resolve | reject | notify ]
            deferred[tuple[0]] = function() {
                deferred[tuple[0] + "With"](this === deferred ? promise : this, arguments);
                return this;
            };
            deferred[tuple[0] + "With"] = list.fireWith;
        });

        // Make the deferred a promise
        promise.promise(deferred);

        // Call given func if any
        if (func) {
            func.call(deferred, deferred);
        }

        // All done!
        return deferred;
    },

    // Deferred helper
    when: function(subordinate /* , ..., subordinateN */) {
        var i = 0,
            resolveValues = core_slice.call(arguments),
            length = resolveValues.length,

            // the count of uncompleted subordinates
            remaining = length !== 1 || (subordinate && jQuery.isFunction(subordinate.promise))
                ? length : 0,

            // the master Deferred. If resolveValues consist of only a single Deferred, just use
                that.
            deferred = remaining === 1 ? subordinate : jQuery.Deferred(),

            // Update function for both resolve and progress values
            updateFunc = function(i, contexts, values) {
                return function(value) {
                    contexts[i] = this;
                    values[i] = arguments.length > 1 ? core_slice.call(arguments) : value;
                    if (values === progressValues) {
                        deferred.notifyWith(contexts, values);
                    } else if (!(--remaining)) {
                        deferred.resolveWith(contexts, values);
                    }
                };
            },

            progressValues, progressContexts, resolveContexts;

        // add listeners to Deferred subordinates; treat others as resolved
        if (length > 1) {
            progressValues = new Array(length);
            progressContexts = new Array(length);
            resolveContexts = new Array(length);
            for (; i < length; i++) {
                if (resolveValues[i] && jQuery.isFunction(resolveValues[i].promise)) {
                    resolveValues[i].promise()
                        .done(updateFunc(i, resolveContexts, resolveValues))
                        .fail(deferred.reject)
                        .progress(updateFunc(i, progressContexts, progressValues));
                } else {
                    --remaining;
                }
            }
        }

        // if we're not waiting on anything, resolve the master
        if (!remaining) {
            deferred.resolveWith(resolveContexts, resolveValues);
        }

        return deferred.promise();
    }
});
jQuery.support = (function(support) {

    var all, a, input, select, fragment, opt, eventName, isSupported, i,
        div = document.createElement("div");
```

```
// Setup
div.setAttribute("className", "t");
div.innerHTML = "  <link/><table></table><a href='/a'>a</a><input type='checkbox'/>";

// Finish early in limited (non-browser) environments
all = div.getElementsByTagName("*") || [];
a = div.getElementsByTagName("a")[0];
if (!a || !a.style || !all.length) {
    return support;
}

// First batch of tests
select = document.createElement("select");
opt = select.appendChild(document.createElement("option"));
input = div.getElementsByTagName("input")[0];

a.style.cssText = "top:1px;float:left;opacity:.5";

// Test setAttribute on camelCase class. If it works, we need attrFixes when doing get/
    setAttribute (ie6/7)
support.getSetAttribute = div.className !== "t";

// IE strips leading whitespace when .innerHTML is used
support.leadingWhitespace = div.firstChild.nodeType === 3;

// Make sure that tbody elements aren't automatically inserted
// IE will insert them into empty tables
support.tbody = !div.getElementsByTagName("tbody").length;

// Make sure that link elements get serialized correctly by innerHTML
// This requires a wrapper element in IE
support.htmlSerialize = !!div.getElementsByTagName("link").length;

// Get the style information from getAttribute
// (IE uses .cssText instead)
support.style = /top/.test(a.getAttribute("style"));

// Make sure that URLs aren't manipulated
// (IE normalizes it by default)
support.hrefNormalized = a.getAttribute("href") === "/a";

// Make sure that element opacity exists
// (IE uses filter instead)
// Use a regex to work around a WebKit issue. See #5145
support.opacity = /^0.5/.test(a.style.opacity);

// Verify style float existence
// (IE uses styleFloat instead of cssFloat)
support.cssFloat = !!a.style.cssFloat;

// Check the default checkbox/radio value ("" on WebKit; "on" elsewhere)
support.checkOn = !!input.value;

// Make sure that a selected-by-default option has a working selected property.
// (WebKit defaults to false instead of true, IE too, if it's in an optgroup)
support.optSelected = opt.selected;

// Tests for enctype support on a form (#6743)
support.enctype = !!document.createElement("form").enctype;

// Makes sure cloning an html5 element does not cause problems
// Where outerHTML is undefined, this still works
support.html5Clone = document.createElement("nav").cloneNode(true).outerHTML !== "<:nav></:
    nav>";

// Will be defined later
support.inlineBlockNeedsLayout = false;
support.shrinkWrapBlocks = false;
support.pixelPosition = false;
support.deleteExpando = true;
support.noCloneEvent = true;
support.reliableMarginRight = true;
support.boxSizingReliable = true;

// Make sure checked status is properly cloned
input.checked = true;
support.noCloneChecked = input.cloneNode(true).checked;

// Make sure that the options inside disabled selects aren't marked as disabled
// (WebKit marks them as disabled)
select.disabled = true;
support.optDisabled = !opt.disabled;

// Support: IE<9
try {
    delete div.test;
} catch (e) {
    support.deleteExpando = false;
}

// Check if we can trust getAttribute("value")
input = document.createElement("input");
```

```
input.setAttribute("value", "");
support.input = input.getAttribute("value") === "";

// Check if an input maintains its value after becoming a radio
input.value = "t";
input.setAttribute("type", "radio");
support.radioValue = input.value === "t";

// #11217 - WebKit loses check when the name is after the checked attribute
input.setAttribute("checked", "t");
input.setAttribute("name", "t");

fragment = document.createDocumentFragment();
fragment.appendChild(input);

// Check if a disconnected checkbox will retain its checked
// value of true after appended to the DOM (IE6/7)
support.appendChecked = input.checked;

// WebKit doesn't clone checked state correctly in fragments
support.checkClone = fragment.cloneNode(true).cloneNode(true).lastChild.checked;

// Support: IE<9
// Opera does not clone events (and typeof div.attachEvent === undefined).
// IE9-10 clones events bound via attachEvent, but they don't trigger with .click()
if (div.attachEvent) {
    div.attachEvent("onclick", function() {
        support.noCloneEvent = false;
    });

    div.cloneNode(true).click();
}

// Support: IE<9 (lack submit/change bubble), Firefox 17+ (lack focusin event)
// Beware of CSP restrictions (https://developer.mozilla.org/en/Security/CSP)
for (i in {
        submit: true,
        change: true,
        focusin: true
    }) {
    div.setAttribute(eventName = "on" + i, "t");

    support[i + "Bubbles"] = eventName in window || div.attributes[eventName].expando ===
        false;
}

div.style.backgroundClip = "content-box";
div.cloneNode(true).style.backgroundClip = "";
support.clearCloneStyle = div.style.backgroundClip === "content-box";

// Support: IE<9
// Iteration over object's inherited properties before its own.
for (i in jQuery(support)) {
    break;
}
support.ownLast = i !== "0";

// Run tests that need a body at doc ready
jQuery(function() {
    var container, marginDiv, tds,
        divReset = "padding:0;margin:0;border:0;display:block;box-sizing:content-box;-moz-
            box-sizing:content-box;-webkit-box-sizing:content-box;",
        body = document.getElementsByTagName("body")[0];

    if (!body) {
        // Return for frameset docs that don't have a body
        return;
    }

    container = document.createElement("div");
    container.style.cssText = "border:0;width:0;height:0;position:absolute;top:0;left:-9999
        px;margin-top:1px";

    body.appendChild(container).appendChild(div);

    // Support: IE8
    // Check if table cells still have offsetWidth/Height when they are set
    // to display:none and there are still other visible table cells in a
    // table row; if so, offsetWidth/Height are not reliable for use when
    // determining if an element has been hidden directly using
    // display:none (it is still safe to use offsets if a parent element is
    // hidden; don safety goggles and see bug #4512 for more information).
    div.innerHTML = "<table><tr><td></td><td>t</td></tr></table>";
    tds = div.getElementsByTagName("td");
    tds[0].style.cssText = "padding:0;margin:0;border:0;display:none";
    isSupported = (tds[0].offsetHeight === 0);

    tds[0].style.display = "";
    tds[1].style.display = "none";

    // Support: IE8
    // Check if empty table cells still have offsetWidth/Height
```

```
        support.reliableHiddenOffsets = isSupported && (tds[0].offsetHeight === 0);

        // Check box-sizing and margin behavior.
        div.innerHTML = "";
        div.style.cssText = "box-sizing:border-box;-moz-box-sizing:border-box;-webkit-box-sizing
             :border-box;padding:1px;border:1px;display:block;width:4px;margin-top:1%;position:
             absolute;top:1%;";

        // Workaround failing boxSizing test due to offsetWidth returning wrong value
        // with some non-1 values of body zoom, ticket #13543
        jQuery.swap(body, body.style.zoom != null ? {
            zoom: 1
        } : {}, function() {
            support.boxSizing = div.offsetWidth === 4;
        });

        // Use window.getComputedStyle because jsdom on node.js will break without it.
        if (window.getComputedStyle) {
            support.pixelPosition = (window.getComputedStyle(div, null) || {}).top !== "1%";
            support.boxSizingReliable = (window.getComputedStyle(div, null) || {
                width: "4px"
            }).width === "4px";

            // Check if div with explicit width and no margin-right incorrectly
            // gets computed margin-right based on width of container. (#3333)
            // Fails in WebKit before Feb 2011 nightlies
            // WebKit Bug 13343 - getComputedStyle returns wrong value for margin-right
            marginDiv = div.appendChild(document.createElement("div"));
            marginDiv.style.cssText = div.style.cssText = divReset;
            marginDiv.style.marginRight = marginDiv.style.width = "0";
            div.style.width = "1px";

            support.reliableMarginRight = !parseFloat((window.getComputedStyle(marginDiv, null)
                 || {}).marginRight);
        }

        if (typeof div.style.zoom !== core_strundefined) {
            // Support: IE<8
            // Check if natively block-level elements act like inline-block
            // elements when setting their display to 'inline' and giving
            // them layout
            div.innerHTML = "";
            div.style.cssText = divReset + "width:1px;padding:1px;display:inline;zoom:1";
            support.inlineBlockNeedsLayout = (div.offsetWidth === 3);

            // Support: IE6
            // Check if elements with layout shrink-wrap their children
            div.style.display = "block";
            div.innerHTML = "<div></div>";
            div.firstChild.style.width = "5px";
            support.shrinkWrapBlocks = (div.offsetWidth !== 3);

            if (support.inlineBlockNeedsLayout) {
                // Prevent IE 6 from affecting layout for positioned elements #11048
                // Prevent IE from shrinking the body in IE 7 mode #12869
                // Support: IE<8
                body.style.zoom = 1;
            }
        }

        body.removeChild(container);

        // Null elements to avoid leaks in IE
        container = div = tds = marginDiv = null;
    });

    // Null elements to avoid leaks in IE
    all = select = fragment = opt = a = input = null;

    return support;
})({});

var rbrace = /(?:\{[\s\S]*\}|\[[\s\S]*\])$/,
    rmultiDash = /([A-Z])/g;

function internalData(elem, name, data, pvt /* Internal Use Only */ ) {
    if (!jQuery.acceptData(elem)) {
        return;
    }

    var ret, thisCache,
        internalKey = jQuery.expando,

        // We have to handle DOM nodes and JS objects differently because IE6-7
        // can't GC object references properly across the DOM-JS boundary
        isNode = elem.nodeType,

        // Only DOM nodes need the global jQuery cache; JS object data is
        // attached directly to the object so GC can occur automatically
        cache = isNode ? jQuery.cache : elem,

        // Only defining an ID for JS objects if its cache already exists allows
```

```
        // the code to shortcut on the same path as a DOM node with no cache
        id = isNode ? elem[internalKey] : elem[internalKey] && internalKey;

    // Avoid doing any more work than we need to when trying to get data on an
    // object that has no data at all
    if ((!id || !cache[id] || (!pvt && !cache[id].data)) && data === undefined && typeof name
        === "string") {
        return;
    }

    if (!id) {
        // Only DOM nodes need a new unique ID for each element since their data
        // ends up in the global cache
        if (isNode) {
            id = elem[internalKey] = core_deletedIds.pop() || jQuery.guid++;
        } else {
            id = internalKey;
        }
    }

    if (!cache[id]) {
        // Avoid exposing jQuery metadata on plain JS objects when the object
        // is serialized using JSON.stringify
        cache[id] = isNode ? {} : {
            toJSON: jQuery.noop
        };
    }

    // An object can be passed to jQuery.data instead of a key/value pair; this gets
    // shallow copied over onto the existing cache
    if (typeof name === "object" || typeof name === "function") {
        if (pvt) {
            cache[id] = jQuery.extend(cache[id], name);
        } else {
            cache[id].data = jQuery.extend(cache[id].data, name);
        }
    }

    thisCache = cache[id];

    // jQuery data() is stored in a separate object inside the object's internal data
    // cache in order to avoid key collisions between internal data and user-defined
    // data.
    if (!pvt) {
        if (!thisCache.data) {
            thisCache.data = {};
        }

        thisCache = thisCache.data;
    }

    if (data !== undefined) {
        thisCache[jQuery.camelCase(name)] = data;
    }

    // Check for both converted-to-camel and non-converted data property names
    // If a data property was specified
    if (typeof name === "string") {

        // First Try to find as-is property data
        ret = thisCache[name];

        // Test for null|undefined property data
        if (ret == null) {

            // Try to find the camelCased property
            ret = thisCache[jQuery.camelCase(name)];
        }
    } else {
        ret = thisCache;
    }

    return ret;
}

function internalRemoveData(elem, name, pvt) {
    if (!jQuery.acceptData(elem)) {
        return;
    }

    var thisCache, i,
        isNode = elem.nodeType,

        // See jQuery.data for more information
        cache = isNode ? jQuery.cache : elem,
        id = isNode ? elem[jQuery.expando] : jQuery.expando;

    // If there is already no cache entry for this object, there is no
    // purpose in continuing
    if (!cache[id]) {
        return;
    }
```

```
    if (name) {

        thisCache = pvt ? cache[id] : cache[id].data;

        if (thisCache) {

            // Support array or space separated string names for data keys
            if (!jQuery.isArray(name)) {

                // try the string as a key before any manipulation
                if (name in thisCache) {
                    name = [name];
                } else {

                    // split the camel cased version by spaces unless a key with the spaces
                        exists
                    name = jQuery.camelCase(name);
                    if (name in thisCache) {
                        name = [name];
                    } else {
                        name = name.split(" ");
                    }
                }
            } else {
                // If "name" is an array of keys...
                // When data is initially created, via ("key", "val") signature,
                // keys will be converted to camelCase.
                // Since there is no way to tell _how_ a key was added, remove
                // both plain key and camelCase key. #12786
                // This will only penalize the array argument path.
                name = name.concat(jQuery.map(name, jQuery.camelCase));
            }

            i = name.length;
            while (i--) {
                delete thisCache[name[i]];
            }

            // If there is no data left in the cache, we want to continue
            // and let the cache object itself get destroyed
            if (pvt ? !isEmptyDataObject(thisCache) : !jQuery.isEmptyObject(thisCache)) {
                return;
            }
        }
    }

    // See jQuery.data for more information
    if (!pvt) {
        delete cache[id].data;

        // Don't destroy the parent cache unless the internal data object
        // had been the only thing left in it
        if (!isEmptyDataObject(cache[id])) {
            return;
        }
    }

    // Destroy the cache
    if (isNode) {
        jQuery.cleanData([elem], true);

        // Use delete when supported for expandos or `cache` is not a window per isWindow
            (#10080)
        /* jshint eqeqeq: false */
    } else if (jQuery.support.deleteExpando || cache != cache.window) {
        /* jshint eqeqeq: true */
        delete cache[id];

        // When all else fails, null
    } else {
        cache[id] = null;
    }
}

jQuery.extend({
    cache: {},

    // The following elements throw uncatchable exceptions if you
    // attempt to add expando properties to them.
    noData: {
        "applet": true,
        "embed": true,
        // Ban all objects except for Flash (which handle expandos)
        "object": "clsid:D27CDB6E-AE6D-11cf-96B8-444553540000"
    },

    hasData: function(elem) {
        elem = elem.nodeType ? jQuery.cache[elem[jQuery.expando]] : elem[jQuery.expando];
        return !!elem && !isEmptyDataObject(elem);
    },
```

```
    data: function(elem, name, data) {
        return internalData(elem, name, data);
    },

    removeData: function(elem, name) {
        return internalRemoveData(elem, name);
    },

    // For internal use only.
    _data: function(elem, name, data) {
        return internalData(elem, name, data, true);
    },

    _removeData: function(elem, name) {
        return internalRemoveData(elem, name, true);
    },

    // A method for determining if a DOM node can handle the data expando
    acceptData: function(elem) {
        // Do not set data on non-element because it will not be cleared (#8335).
        if (elem.nodeType && elem.nodeType !== 1 && elem.nodeType !== 9) {
            return false;
        }

        var noData = elem.nodeName && jQuery.noData[elem.nodeName.toLowerCase()];

        // nodes accept data unless otherwise specified; rejection can be conditional
        return !noData || noData !== true && elem.getAttribute("classid") === noData;
    }
});

jQuery.fn.extend({
    data: function(key, value) {
        var attrs, name,
            data = null,
            i = 0,
            elem = this[0];

        // Special expections of .data basically thwart jQuery.access,
        // so implement the relevant behavior ourselves

        // Gets all values
        if (key === undefined) {
            if (this.length) {
                data = jQuery.data(elem);

                if (elem.nodeType === 1 && !jQuery._data(elem, "parsedAttrs")) {
                    attrs = elem.attributes;
                    for (; i < attrs.length; i++) {
                        name = attrs[i].name;

                        if (name.indexOf("data-") === 0) {
                            name = jQuery.camelCase(name.slice(5));

                            dataAttr(elem, name, data[name]);
                        }
                    }
                    jQuery._data(elem, "parsedAttrs", true);
                }
            }

            return data;
        }

        // Sets multiple values
        if (typeof key === "object") {
            return this.each(function() {
                jQuery.data(this, key);
            });
        }

        return arguments.length > 1 ?

            // Sets one value
            this.each(function() {
                jQuery.data(this, key, value);
            }) :

            // Gets one value
            // Try to fetch any internally stored data first
            elem ? dataAttr(elem, key, jQuery.data(elem, key)) : null;
    },

    removeData: function(key) {
        return this.each(function() {
            jQuery.removeData(this, key);
        });
    }
});

function dataAttr(elem, key, data) {
    // If nothing was found internally, try to fetch any
```

```
    // data from the HTML5 data-* attribute
    if (data === undefined && elem.nodeType === 1) {

        var name = "data-" + key.replace(rmultiDash, "-$1").toLowerCase();

        data = elem.getAttribute(name);

        if (typeof data === "string") {
            try {
                data = data === "true" ? true :
                    data === "false" ? false :
                    data === "null" ? null :
                    // Only convert to a number if it doesn't change the string
                    +data + "" === data ? +data :
                    rbrace.test(data) ? jQuery.parseJSON(data) :
                    data;
            } catch (e) {}

            // Make sure we set the data so it isn't changed later
            jQuery.data(elem, key, data);

        } else {
            data = undefined;
        }
    }

    return data;
}

// checks a cache object for emptiness
function isEmptyDataObject(obj) {
    var name;
    for (name in obj) {

        // if the public data object is empty, the private is still empty
        if (name === "data" && jQuery.isEmptyObject(obj[name])) {
            continue;
        }
        if (name !== "toJSON") {
            return false;
        }
    }

    return true;
}
jQuery.extend({
    queue: function(elem, type, data) {
        var queue;

        if (elem) {
            type = (type || "fx") + "queue";
            queue = jQuery._data(elem, type);

            // Speed up dequeue by getting out quickly if this is just a lookup
            if (data) {
                if (!queue || jQuery.isArray(data)) {
                    queue = jQuery._data(elem, type, jQuery.makeArray(data));
                } else {
                    queue.push(data);
                }
            }
            return queue || [];
        }
    },

    dequeue: function(elem, type) {
        type = type || "fx";

        var queue = jQuery.queue(elem, type),
            startLength = queue.length,
            fn = queue.shift(),
            hooks = jQuery._queueHooks(elem, type),
            next = function() {
                jQuery.dequeue(elem, type);
            };

        // If the fx queue is dequeued, always remove the progress sentinel
        if (fn === "inprogress") {
            fn = queue.shift();
            startLength--;
        }

        if (fn) {

            // Add a progress sentinel to prevent the fx queue from being
            // automatically dequeued
            if (type === "fx") {
                queue.unshift("inprogress");
            }

            // clear up the last queue stop function
            delete hooks.stop;
```

```
            fn.call(elem, next, hooks);
        }

        if (!startLength && hooks) {
            hooks.empty.fire();
        }
    },

    // not intended for public consumption - generates a queueHooks object, or returns the
        current one
    _queueHooks: function(elem, type) {
        var key = type + "queueHooks";
        return jQuery._data(elem, key) || jQuery._data(elem, key, {
            empty: jQuery.Callbacks("once memory").add(function() {
                jQuery._removeData(elem, type + "queue");
                jQuery._removeData(elem, key);
            })
        });
    }
});

jQuery.fn.extend({


    queue: function(type, data) {
        var setter = 2;

        if (typeof type !== "string") {
            data = type;
            type = "fx";
            setter--;
        }

        if (arguments.length < setter) {
            return jQuery.queue(this[0], type);
        }

        return data === undefined ?
            this :
            this.each(function() {
                var queue = jQuery.queue(this, type, data);

                // ensure a hooks for this queue
                jQuery._queueHooks(this, type);

                if (type === "fx" && queue[0] !== "inprogress") {
                    jQuery.dequeue(this, type);
                }
            });
    },
    dequeue: function(type) {
        return this.each(function() {
            jQuery.dequeue(this, type);
        });
    },
    // Based off of the plugin by Clint Helfers, with permission.
    // http://blindsignals.com/index.php/2009/07/jquery-delay/
    delay: function(time, type) {
        time = jQuery.fx ? jQuery.fx.speeds[time] || time : time;
        type = type || "fx";

        return this.queue(type, function(next, hooks) {
            var timeout = setTimeout(next, time);
            hooks.stop = function() {
                clearTimeout(timeout);
            };
        });
    },
    clearQueue: function(type) {
        return this.queue(type || "fx", []);
    },
    // Get a promise resolved when queues of a certain type
    // are emptied (fx is the type by default)
    promise: function(type, obj) {
        var tmp,
            count = 1,
            defer = jQuery.Deferred(),
            elements = this,
            i = this.length,
            resolve = function() {
                if (!(--count)) {
                    defer.resolveWith(elements, [elements]);
                }
            };

        if (typeof type !== "string") {
            obj = type;
            type = undefined;
        }
        type = type || "fx";

        while (i--) {
```

```
            tmp = jQuery._data(elements[i], type + "queueHooks");
            if (tmp && tmp.empty) {
                count++;
                tmp.empty.add(resolve);
            }
        }
        resolve();
        return defer.promise(obj);
    }
});
var nodeHook, boolHook,
    rclass = /[\t\r\n\f]/g,
    rreturn = /\r/g,
    rfocusable = /^(?:input|select|textarea|button|object)$/i,
    rclickable = /^(?:a|area)$/i,
    ruseDefault = /^(?:checked|selected)$/i,
    getSetAttribute = jQuery.support.getSetAttribute,
    getSetInput = jQuery.support.input;

jQuery.fn.extend({
    attr: function(name, value) {
        return jQuery.access(this, jQuery.attr, name, value, arguments.length > 1);
    },

    removeAttr: function(name) {
        return this.each(function() {
            jQuery.removeAttr(this, name);
        });
    },

    prop: function(name, value) {
        return jQuery.access(this, jQuery.prop, name, value, arguments.length > 1);
    },

    removeProp: function(name) {
        name = jQuery.propFix[name] || name;
        return this.each(function() {
            // try/catch handles cases where IE balks (such as removing a property on window)
            try {
                this[name] = undefined;
                delete this[name];
            } catch (e) {}
        });
    },

    addClass: function(value) {
        var classes, elem, cur, clazz, j,
            i = 0,
            len = this.length,
            proceed = typeof value === "string" && value;

        if (jQuery.isFunction(value)) {
            return this.each(function(j) {
                jQuery(this).addClass(value.call(this, j, this.className));
            });
        }

        if (proceed) {
            // The disjunction here is for better compressibility (see removeClass)
            classes = (value || "").match(core_rnotwhite) || [];

            for (; i < len; i++) {
                elem = this[i];
                cur = elem.nodeType === 1 && (elem.className ?
                    (" " + elem.className + " ").replace(rclass, " ") :
                    " "
                );

                if (cur) {
                    j = 0;
                    while ((clazz = classes[j++])) {
                        if (cur.indexOf(" " + clazz + " ") < 0) {
                            cur += clazz + " ";
                        }
                    }
                    elem.className = jQuery.trim(cur);

                }
            }
        }

        return this;
    },

    removeClass: function(value) {
        var classes, elem, cur, clazz, j,
            i = 0,
            len = this.length,
            proceed = arguments.length === 0 || typeof value === "string" && value;

        if (jQuery.isFunction(value)) {
            return this.each(function(j) {
```

```
                jQuery(this).removeClass(value.call(this, j, this.className));
            });
        }
        if (proceed) {
            classes = (value || "").match(core_rnotwhite) || [];

            for (; i < len; i++) {
                elem = this[i];
                // This expression is here for better compressibility (see addClass)
                cur = elem.nodeType === 1 && (elem.className ?
                    (" " + elem.className + " ").replace(rclass, " ") :
                    ""
                );

                if (cur) {
                    j = 0;
                    while ((clazz = classes[j++])) {
                        // Remove *all* instances
                        while (cur.indexOf(" " + clazz + " ") >= 0) {
                            cur = cur.replace(" " + clazz + " ", " ");
                        }
                    }
                    elem.className = value ? jQuery.trim(cur) : "";
                }
            }
        }

        return this;
    },

    toggleClass: function(value, stateVal) {
        var type = typeof value;

        if (typeof stateVal === "boolean" && type === "string") {
            return stateVal ? this.addClass(value) : this.removeClass(value);
        }

        if (jQuery.isFunction(value)) {
            return this.each(function(i) {
                jQuery(this).toggleClass(value.call(this, i, this.className, stateVal), stateVal
                    );
            });
        }

        return this.each(function() {
            if (type === "string") {
                // toggle individual class names
                var className,
                    i = 0,
                    self = jQuery(this),
                    classNames = value.match(core_rnotwhite) || [];

                while ((className = classNames[i++])) {
                    // check each className given, space separated list
                    if (self.hasClass(className)) {
                        self.removeClass(className);
                    } else {
                        self.addClass(className);
                    }
                }

                // Toggle whole class name
            } else if (type === core_strundefined || type === "boolean") {
                if (this.className) {
                    // store className if set
                    jQuery._data(this, "__className__", this.className);
                }

                // If the element has a class name or if we're passed "false",
                // then remove the whole classname (if there was one, the above saved it).
                // Otherwise bring back whatever was previously saved (if anything),
                // falling back to the empty string if nothing was stored.
                this.className = this.className || value === false ? "" : jQuery._data(this, "
                    __className__") || "";
            }
        });
    },

    hasClass: function(selector) {
        var className = " " + selector + " ",
            i = 0,
            l = this.length;
        for (; i < l; i++) {
            if (this[i].nodeType === 1 && (" " + this[i].className + " ").replace(rclass, " ").
                indexOf(className) >= 0) {
                return true;
            }
        }

        return false;
    },
```

```
    val: function(value) {
        var ret, hooks, isFunction,
            elem = this[0];

        if (!arguments.length) {
            if (elem) {
                hooks = jQuery.valHooks[elem.type] || jQuery.valHooks[elem.nodeName.toLowerCase
                    ()];

                if (hooks && "get" in hooks && (ret = hooks.get(elem, "value")) !== undefined) {
                    return ret;
                }

                ret = elem.value;

                return typeof ret === "string" ?
                    // handle most common string cases
                    ret.replace(rreturn, "") :
                    // handle cases where value is null/undef or number
                    ret == null ? "" : ret;
            }

            return;
        }

        isFunction = jQuery.isFunction(value);

        return this.each(function(i) {
            var val;

            if (this.nodeType !== 1) {
                return;
            }

            if (isFunction) {
                val = value.call(this, i, jQuery(this).val());
            } else {
                val = value;
            }

            // Treat null/undefined as ""; convert numbers to string
            if (val == null) {
                val = "";
            } else if (typeof val === "number") {
                val += "";
            } else if (jQuery.isArray(val)) {
                val = jQuery.map(val, function(value) {
                    return value == null ? "" : value + "";
                });
            }

            hooks = jQuery.valHooks[this.type] || jQuery.valHooks[this.nodeName.toLowerCase()];

            // If set returns undefined, fall back to normal setting
            if (!hooks || !("set" in hooks) || hooks.set(this, val, "value") === undefined) {
                this.value = val;
            }
        });
    }
});

jQuery.extend({
    valHooks: {
        option: {
            get: function(elem) {
                // Use proper attribute retrieval(#6932, #12072)
                var val = jQuery.find.attr(elem, "value");
                return val != null ?
                    val :
                    elem.text;
            }
        },
        select: {
            get: function(elem) {
                var value, option,
                    options = elem.options,
                    index = elem.selectedIndex,
                    one = elem.type === "select-one" || index < 0,
                    values = one ? null : [],
                    max = one ? index + 1 : options.length,
                    i = index < 0 ?
                    max :
                    one ? index : 0;

                // Loop through all the selected options
                for (; i < max; i++) {
                    option = options[i];

                    // oldIE doesn't update selected after form reset (#2551)
                    if ((option.selected || i === index) &&
                        // Don't return options that are disabled or in a disabled optgroup
                        (jQuery.support.optDisabled ? !option.disabled : option.getAttribute("
```

```
                        disabled") === null) &&
                    (!option.parentNode.disabled || !jQuery.nodeName(option.parentNode, "
                        optgroup"))) {

                    // Get the specific value for the option
                    value = jQuery(option).val();

                    // We don't need an array for one selects
                    if (one) {
                        return value;
                    }

                    // Multi-Selects return an array
                    values.push(value);
                }
            }

            return values;
        },

        set: function(elem, value) {
            var optionSet, option,
                options = elem.options,
                values = jQuery.makeArray(value),
                i = options.length;

            while (i--) {
                option = options[i];
                if ((option.selected = jQuery.inArray(jQuery(option).val(), values) >= 0)) {
                    optionSet = true;
                }
            }

            // force browsers to behave consistently when non-matching value is set
            if (!optionSet) {
                elem.selectedIndex = -1;
            }
            return values;
        }
    }
},

attr: function(elem, name, value) {
    var hooks, ret,
        nType = elem.nodeType;

    // don't get/set attributes on text, comment and attribute nodes
    if (!elem || nType === 3 || nType === 8 || nType === 2) {
        return;
    }

    // Fallback to prop when attributes are not supported
    if (typeof elem.getAttribute === core_strundefined) {
        return jQuery.prop(elem, name, value);
    }

    // All attributes are lowercase
    // Grab necessary hook if one is defined
    if (nType !== 1 || !jQuery.isXMLDoc(elem)) {
        name = name.toLowerCase();
        hooks = jQuery.attrHooks[name] ||
            (jQuery.expr.match.bool.test(name) ? boolHook : nodeHook);
    }

    if (value !== undefined) {

        if (value === null) {
            jQuery.removeAttr(elem, name);

        } else if (hooks && "set" in hooks && (ret = hooks.set(elem, value, name)) !==
             undefined) {
            return ret;

        } else {
            elem.setAttribute(name, value + "");
            return value;
        }

    } else if (hooks && "get" in hooks && (ret = hooks.get(elem, name)) !== null) {
        return ret;

    } else {
        ret = jQuery.find.attr(elem, name);

        // Non-existent attributes return null, we normalize to undefined
        return ret == null ?
            undefined :
            ret;
    }
},

removeAttr: function(elem, value) {
```

```
    var name, propName,
        i = 0,
        attrNames = value && value.match(core_rnotwhite);

    if (attrNames && elem.nodeType === 1) {
        while ((name = attrNames[i++])) {
            propName = jQuery.propFix[name] || name;

            // Boolean attributes get special treatment (#10870)
            if (jQuery.expr.match.bool.test(name)) {
                // Set corresponding property to false
                if (getSetInput && getSetAttribute || !ruseDefault.test(name)) {
                    elem[propName] = false;
                    // Support: IE<9
                    // Also clear defaultChecked/defaultSelected (if appropriate)
                } else {
                    elem[jQuery.camelCase("default-" + name)] =
                        elem[propName] = false;
                }

                // See #9699 for explanation of this approach (setting first, then removal)
            } else {
                jQuery.attr(elem, name, "");
            }

            elem.removeAttribute(getSetAttribute ? name : propName);
        }
    }
},

attrHooks: {
    type: {
        set: function(elem, value) {
            if (!jQuery.support.radioValue && value === "radio" && jQuery.nodeName(elem, "
                input")) {
                // Setting the type on a radio button after the value resets the value in
                    IE6-9
                // Reset value to default in case type is set after value during creation
                var val = elem.value;
                elem.setAttribute("type", value);
                if (val) {
                    elem.value = val;
                }
                return value;
            }
        }
    }
},

propFix: {
    "for": "htmlFor",
    "class": "className"
},

prop: function(elem, name, value) {
    var ret, hooks, notxml,
        nType = elem.nodeType;

    // don't get/set properties on text, comment and attribute nodes
    if (!elem || nType === 3 || nType === 8 || nType === 2) {
        return;
    }

    notxml = nType !== 1 || !jQuery.isXMLDoc(elem);

    if (notxml) {
        // Fix name and attach hooks
        name = jQuery.propFix[name] || name;
        hooks = jQuery.propHooks[name];
    }

    if (value !== undefined) {
        return hooks && "set" in hooks && (ret = hooks.set(elem, value, name)) !== undefined
            ?
            ret :
            (elem[name] = value);

    } else {
        return hooks && "get" in hooks && (ret = hooks.get(elem, name)) !== null ?
            ret :
            elem[name];
    }
},

propHooks: {
    tabIndex: {
        get: function(elem) {
            // elem.tabIndex doesn't always return the correct value when it hasn't been
                explicitly set
            // http://fluidproject.org/blog/2008/01/09/getting-setting-and-removing-tabindex
                -values-with-javascript/
            // Use proper attribute retrieval(#12072)
```

```
                var tabindex = jQuery.find.attr(elem, "tabindex");

                return tabindex ?
                    parseInt(tabindex, 10) :
                    rfocusable.test(elem.nodeName) || rclickable.test(elem.nodeName) && elem.
                        href ?
                    0 :
                    -1;
            }
        }
    }
});

// Hooks for boolean attributes
boolHook = {
    set: function(elem, value, name) {
        if (value === false) {
            // Remove boolean attributes when set to false
            jQuery.removeAttr(elem, name);
        } else if (getSetInput && getSetAttribute || !ruseDefault.test(name)) {
            // IE<8 needs the *property* name
            elem.setAttribute(!getSetAttribute && jQuery.propFix[name] || name, name);

            // Use defaultChecked and defaultSelected for oldIE
        } else {
            elem[jQuery.camelCase("default-" + name)] = elem[name] = true;
        }

        return name;
    }
};
jQuery.each(jQuery.expr.match.bool.source.match(/\w+/g), function(i, name) {
    var getter = jQuery.expr.attrHandle[name] || jQuery.find.attr;

    jQuery.expr.attrHandle[name] = getSetInput && getSetAttribute || !ruseDefault.test(name) ?
        function(elem, name, isXML) {
            var fn = jQuery.expr.attrHandle[name],
                ret = isXML ?
                undefined :
                /* jshint eqeqeq: false */
                (jQuery.expr.attrHandle[name] = undefined) !=
                getter(elem, name, isXML) ?

                name.toLowerCase() :
                null;
            jQuery.expr.attrHandle[name] = fn;
            return ret;
        } :
        function(elem, name, isXML) {
            return isXML ?
                undefined :
                elem[jQuery.camelCase("default-" + name)] ?
                name.toLowerCase() :
                null;
        };
});

// fix oldIE attroperties
if (!getSetInput || !getSetAttribute) {
    jQuery.attrHooks.value = {
        set: function(elem, value, name) {
            if (jQuery.nodeName(elem, "input")) {
                // Does not return so that setAttribute is also used
                elem.defaultValue = value;
            } else {
                // Use nodeHook if defined (#1954); otherwise setAttribute is fine
                return nodeHook && nodeHook.set(elem, value, name);
            }
        }
    };
}

// IE6/7 do not support getting/setting some attributes with get/setAttribute
if (!getSetAttribute) {

    // Use this for any attribute in IE6/7
    // This fixes almost every IE6/7 issue
    nodeHook = {
        set: function(elem, value, name) {
            // Set the existing or create a new attribute node
            var ret = elem.getAttributeNode(name);
            if (!ret) {
                elem.setAttributeNode(
                    (ret = elem.ownerDocument.createAttribute(name))
                );
            }

            ret.value = value += "";

            // Break association with cloned elements by also using setAttribute (#9646)
            return name === "value" || value === elem.getAttribute(name) ?
                value :
```

```
                undefined;
        }
    };
    jQuery.expr.attrHandle.id = jQuery.expr.attrHandle.name = jQuery.expr.attrHandle.coords =
        // Some attributes are constructed with empty-string values when not defined
        function(elem, name, isXML) {
            var ret;
            return isXML ?
                undefined :
                (ret = elem.getAttributeNode(name)) && ret.value !== "" ?
                ret.value :
                null;
        };
    jQuery.valHooks.button = {
        get: function(elem, name) {
            var ret = elem.getAttributeNode(name);
            return ret && ret.specified ?
                ret.value :
                undefined;
        },
        set: nodeHook.set
    };

    // Set contenteditable to false on removals(#10429)
    // Setting to empty string throws an error as an invalid value
    jQuery.attrHooks.contenteditable = {
        set: function(elem, value, name) {
            nodeHook.set(elem, value === "" ? false : value, name);
        }
    };

    // Set width and height to auto instead of 0 on empty string( Bug #8150 )
    // This is for removals
    jQuery.each(["width", "height"], function(i, name) {
        jQuery.attrHooks[name] = {
            set: function(elem, value) {
                if (value === "") {
                    elem.setAttribute(name, "auto");
                    return value;
                }
            }
        };
    });
}


// Some attributes require a special call on IE
// http://msdn.microsoft.com/en-us/library/ms536429%28VS.85%29.aspx
if (!jQuery.support.hrefNormalized) {
    // href/src property should get the full normalized URL (#10299/#12915)
    jQuery.each(["href", "src"], function(i, name) {
        jQuery.propHooks[name] = {
            get: function(elem) {
                return elem.getAttribute(name, 4);
            }
        };
    });
}

if (!jQuery.support.style) {
    jQuery.attrHooks.style = {
        get: function(elem) {
            // Return undefined in the case of empty string
            // Note: IE uppercases css property names, but if we were to .toLowerCase()
            // .cssText, that would destroy case senstitivity in URL's, like in "background"
            return elem.style.cssText || undefined;
        },
        set: function(elem, value) {
            return (elem.style.cssText = value + "");
        }
    };
}

// Safari mis-reports the default selected property of an option
// Accessing the parent's selectedIndex property fixes it
if (!jQuery.support.optSelected) {
    jQuery.propHooks.selected = {
        get: function(elem) {
            var parent = elem.parentNode;

            if (parent) {
                parent.selectedIndex;

                // Make sure that it also works with optgroups, see #5701
                if (parent.parentNode) {
                    parent.parentNode.selectedIndex;
                }
            }
            return null;
        }
    };
}
```

```
jQuery.each([
    "tabIndex",
    "readOnly",
    "maxLength",
    "cellSpacing",
    "cellPadding",
    "rowSpan",
    "colSpan",
    "useMap",
    "frameBorder",
    "contentEditable"
], function() {
    jQuery.propFix[this.toLowerCase()] = this;
});

// IE6/7 call enctype encoding
if (!jQuery.support.enctype) {
    jQuery.propFix.enctype = "encoding";
}

// Radios and checkboxes getter/setter
jQuery.each(["radio", "checkbox"], function() {
    jQuery.valHooks[this] = {
        set: function(elem, value) {
            if (jQuery.isArray(value)) {
                return (elem.checked = jQuery.inArray(jQuery(elem).val(), value) >= 0);
            }
        }
    };
    if (!jQuery.support.checkOn) {
        jQuery.valHooks[this].get = function(elem) {
            // Support: Webkit
            // "" is returned instead of "on" if a value isn't specified
            return elem.getAttribute("value") === null ? "on" : elem.value;
        };
    }
});
var rformElems = /^(?:input|select|textarea)$/i,
    rkeyEvent = /^key/,
    rmouseEvent = /^(?:mouse|contextmenu)|click/,
    rfocusMorph = /^(?:focusinfocus|focusoutblur)$/,
    rtypenamespace = /^([^.]*)(?:\.(.+)|)$/;

function returnTrue() {
    return true;
}

function returnFalse() {
    return false;
}

function safeActiveElement() {
    try {
        return document.activeElement;
    } catch (err) {}
}

/*
 * Helper functions for managing events -- not part of the public interface.
 * Props to Dean Edwards' addEvent library for many of the ideas.
 */
jQuery.event = {

    global: {},

    add: function(elem, types, handler, data, selector) {
        var tmp, events, t, handleObjIn,
            special, eventHandle, handleObj,
            handlers, type, namespaces, origType,
            elemData = jQuery._data(elem);

        // Don't attach events to noData or text/comment nodes (but allow plain objects)
        if (!elemData) {
            return;
        }

        // Caller can pass in an object of custom data in lieu of the handler
        if (handler.handler) {
            handleObjIn = handler;
            handler = handleObjIn.handler;
            selector = handleObjIn.selector;
        }

        // Make sure that the handler has a unique ID, used to find/remove it later
        if (!handler.guid) {
            handler.guid = jQuery.guid++;
        }

        // Init the element's event structure and main handler, if this is the first
        if (!(events = elemData.events)) {
            events = elemData.events = {};
```

```
    }
    if (!(eventHandle = elemData.handle)) {
        eventHandle = elemData.handle = function(e) {
            // Discard the second event of a jQuery.event.trigger() and
            // when an event is called after a page has unloaded
            return typeof jQuery !== core_strundefined && (!e || jQuery.event.triggered !==
                e.type) ?
                jQuery.event.dispatch.apply(eventHandle.elem, arguments) :
                undefined;
        };
        // Add elem as a property of the handle fn to prevent a memory leak with IE non-
            native events
        eventHandle.elem = elem;
    }

    // Handle multiple events separated by a space
    types = (types || "").match(core_rnotwhite) || [""];
    t = types.length;
    while (t--) {
        tmp = rtypenamespace.exec(types[t]) || [];
        type = origType = tmp[1];
        namespaces = (tmp[2] || "").split(".").sort();

        // There *must* be a type, no attaching namespace-only handlers
        if (!type) {
            continue;
        }

        // If event changes its type, use the special event handlers for the changed type
        special = jQuery.event.special[type] || {};

        // If selector defined, determine special event api type, otherwise given type
        type = (selector ? special.delegateType : special.bindType) || type;

        // Update special based on newly reset type
        special = jQuery.event.special[type] || {};

        // handleObj is passed to all event handlers
        handleObj = jQuery.extend({
            type: type,
            origType: origType,
            data: data,
            handler: handler,
            guid: handler.guid,
            selector: selector,
            needsContext: selector && jQuery.expr.match.needsContext.test(selector),
            namespace: namespaces.join(".")
        }, handleObjIn);

        // Init the event handler queue if we're the first
        if (!(handlers = events[type])) {
            handlers = events[type] = [];
            handlers.delegateCount = 0;

            // Only use addEventListener/attachEvent if the special events handler returns
                false
            if (!special.setup || special.setup.call(elem, data, namespaces, eventHandle)
                === false) {
                // Bind the global event handler to the element
                if (elem.addEventListener) {
                    elem.addEventListener(type, eventHandle, false);

                } else if (elem.attachEvent) {
                    elem.attachEvent("on" + type, eventHandle);
                }
            }
        }

        if (special.add) {
            special.add.call(elem, handleObj);

            if (!handleObj.handler.guid) {
                handleObj.handler.guid = handler.guid;
            }
        }

        // Add to the element's handler list, delegates in front
        if (selector) {
            handlers.splice(handlers.delegateCount++, 0, handleObj);
        } else {
            handlers.push(handleObj);
        }

        // Keep track of which events have ever been used, for event optimization
        jQuery.event.global[type] = true;
    }

    // Nullify elem to prevent memory leaks in IE
    elem = null;
},

// Detach an event or set of events from an element
```

```
remove: function(elem, types, handler, selector, mappedTypes) {
    var j, handleObj, tmp,
        origCount, t, events,
        special, handlers, type,
        namespaces, origType,
        elemData = jQuery.hasData(elem) && jQuery._data(elem);

    if (!elemData || !(events = elemData.events)) {
        return;
    }

    // Once for each type.namespace in types; type may be omitted
    types = (types || "").match(core_rnotwhite) || [""];
    t = types.length;
    while (t--) {
        tmp = rtypenamespace.exec(types[t]) || [];
        type = origType = tmp[1];
        namespaces = (tmp[2] || "").split(".").sort();

        // Unbind all events (on this namespace, if provided) for the element
        if (!type) {
            for (type in events) {
                jQuery.event.remove(elem, type + types[t], handler, selector, true);
            }
            continue;
        }

        special = jQuery.event.special[type] || {};
        type = (selector ? special.delegateType : special.bindType) || type;
        handlers = events[type] || [];
        tmp = tmp[2] && new RegExp("(^|\\.)" + namespaces.join("\\.(?:.*\\.|)") + "(\\.|$)")
            ;

        // Remove matching events
        origCount = j = handlers.length;
        while (j--) {
            handleObj = handlers[j];

            if ((mappedTypes || origType === handleObj.origType) &&
                (!handler || handler.guid === handleObj.guid) &&
                (!tmp || tmp.test(handleObj.namespace)) &&
                (!selector || selector === handleObj.selector || selector === "**" &&
                    handleObj.selector)) {
                handlers.splice(j, 1);

                if (handleObj.selector) {
                    handlers.delegateCount--;
                }
                if (special.remove) {
                    special.remove.call(elem, handleObj);
                }
            }
        }

        // Remove generic event handler if we removed something and no more handlers exist
        // (avoids potential for endless recursion during removal of special event handlers)
        if (origCount && !handlers.length) {
            if (!special.teardown || special.teardown.call(elem, namespaces, elemData.handle
                ) === false) {
                jQuery.removeEvent(elem, type, elemData.handle);
            }

            delete events[type];
        }
    }

    // Remove the expando if it's no longer used
    if (jQuery.isEmptyObject(events)) {
        delete elemData.handle;

        // removeData also checks for emptiness and clears the expando if empty
        // so use it instead of delete
        jQuery._removeData(elem, "events");
    }
},

trigger: function(event, data, elem, onlyHandlers) {
    var handle, ontype, cur,
        bubbleType, special, tmp, i,
        eventPath = [elem || document],
        type = core_hasOwn.call(event, "type") ? event.type : event,
        namespaces = core_hasOwn.call(event, "namespace") ? event.namespace.split(".") : [];

    cur = tmp = elem = elem || document;

    // Don't do events on text and comment nodes
    if (elem.nodeType === 3 || elem.nodeType === 8) {
        return;
    }

    // focus/blur morphs to focusin/out; ensure we're not firing them right now
    if (rfocusMorph.test(type + jQuery.event.triggered)) {
```

```
    return;
}

if (type.indexOf(".") >= 0) {
    // Namespaced trigger; create a regexp to match event type in handle()
    namespaces = type.split(".");
    type = namespaces.shift();
    namespaces.sort();
}
ontype = type.indexOf(":") < 0 && "on" + type;

// Caller can pass in a jQuery.Event object, Object, or just an event type string
event = event[jQuery.expando] ?
    event :
    new jQuery.Event(type, typeof event === "object" && event);

// Trigger bitmask: & 1 for native handlers; & 2 for jQuery (always true)
event.isTrigger = onlyHandlers ? 2 : 3;
event.namespace = namespaces.join(".");
event.namespace_re = event.namespace ?
    new RegExp("(^|\\.)" + namespaces.join("\\.(?:.*\\.|)") + "(\\.|$)") :
    null;

// Clean up the event in case it is being reused
event.result = undefined;
if (!event.target) {
    event.target = elem;
}

// Clone any incoming data and prepend the event, creating the handler arg list
data = data == null ? [event] :
    jQuery.makeArray(data, [event]);


// Allow special events to draw outside the lines
special = jQuery.event.special[type] || {};
if (!onlyHandlers && special.trigger && special.trigger.apply(elem, data) === false) {
    return;
}

// Determine event propagation path in advance, per W3C events spec (#9951)
// Bubble up to document, then to window; watch for a global ownerDocument var (#9724)
if (!onlyHandlers && !special.noBubble && !jQuery.isWindow(elem)) {

    bubbleType = special.delegateType || type;
    if (!rfocusMorph.test(bubbleType + type)) {
        cur = cur.parentNode;
    }
    for (; cur; cur = cur.parentNode) {
        eventPath.push(cur);
        tmp = cur;
    }

    // Only add window if we got to document (e.g., not plain obj or detached DOM)
    if (tmp === (elem.ownerDocument || document)) {
        eventPath.push(tmp.defaultView || tmp.parentWindow || window);
    }
}

// Fire handlers on the event path
i = 0;
while ((cur = eventPath[i++]) && !event.isPropagationStopped()) {

    event.type = i > 1 ?
        bubbleType :
        special.bindType || type;

    // jQuery handler
    handle = (jQuery._data(cur, "events") || {})[event.type] && jQuery._data(cur, "
        handle");
    if (handle) {
        handle.apply(cur, data);
    }

    // Native handler
    handle = ontype && cur[ontype];
    if (handle && jQuery.acceptData(cur) && handle.apply && handle.apply(cur, data) ===
        false) {
        event.preventDefault();
    }
}
event.type = type;

// If nobody prevented the default action, do it now
if (!onlyHandlers && !event.isDefaultPrevented()) {

    if ((!special._default || special._default.apply(eventPath.pop(), data) === false)
        &&
        jQuery.acceptData(elem)) {

        // Call a native DOM method on the target with the same name name as the event.
```

```
                // Can't use an .isFunction() check here because IE6/7 fails that test.
                // Don't do default actions on window, that's where global variables be (#6170)
                if (ontype && elem[type] && !jQuery.isWindow(elem)) {

                    // Don't re-trigger an onFOO event when we call its FOO() method
                    tmp = elem[ontype];

                    if (tmp) {
                        elem[ontype] = null;
                    }

                    // Prevent re-triggering of the same event, since we already bubbled it
                         above
                    jQuery.event.triggered = type;
                    try {
                        elem[type]();
                    } catch (e) {
                        // IE<9 dies on focus/blur to hidden element (#1486,#12518)
                        // only reproducible on winXP IE8 native, not IE9 in IE8 mode
                    }
                    jQuery.event.triggered = undefined;

                    if (tmp) {
                        elem[ontype] = tmp;
                    }
                }
            }
        }

        return event.result;
    },

    dispatch: function(event) {

        // Make a writable jQuery.Event from the native event object
        event = jQuery.event.fix(event);

        var i, ret, handleObj, matched, j,
            handlerQueue = [],
            args = core_slice.call(arguments),
            handlers = (jQuery._data(this, "events") || {})[event.type] || [],
            special = jQuery.event.special[event.type] || {};

        // Use the fix-ed jQuery.Event rather than the (read-only) native event
        args[0] = event;
        event.delegateTarget = this;

        // Call the preDispatch hook for the mapped type, and let it bail if desired
        if (special.preDispatch && special.preDispatch.call(this, event) === false) {
            return;
        }

        // Determine handlers
        handlerQueue = jQuery.event.handlers.call(this, event, handlers);

        // Run delegates first; they may want to stop propagation beneath us
        i = 0;
        while ((matched = handlerQueue[i++]) && !event.isPropagationStopped()) {
            event.currentTarget = matched.elem;

            j = 0;
            while ((handleObj = matched.handlers[j++]) && !event.isImmediatePropagationStopped()
                 ) {

                // Triggered event must either 1) have no namespace, or
                // 2) have namespace(s) a subset or equal to those in the bound event (both can
                     have no namespace).
                if (!event.namespace_re || event.namespace_re.test(handleObj.namespace)) {

                    event.handleObj = handleObj;
                    event.data = handleObj.data;

                    ret = ((jQuery.event.special[handleObj.origType] || {}).handle || handleObj.
                         handler)
                            .apply(matched.elem, args);

                    if (ret !== undefined) {
                        if ((event.result = ret) === false) {
                            event.preventDefault();
                            event.stopPropagation();
                        }
                    }
                }
            }
        }

        // Call the postDispatch hook for the mapped type
        if (special.postDispatch) {
            special.postDispatch.call(this, event);
        }

        return event.result;
```

```
},

handlers: function(event, handlers) {
    var sel, handleObj, matches, i,
        handlerQueue = [],
        delegateCount = handlers.delegateCount,
        cur = event.target;

    // Find delegate handlers
    // Black-hole SVG <use> instance trees (#13180)
    // Avoid non-left-click bubbling in Firefox (#3861)
    if (delegateCount && cur.nodeType && (!event.button || event.type !== "click")) {

        /* jshint eqeqeq: false */
        for (; cur != this; cur = cur.parentNode || this) {
            /* jshint eqeqeq: true */

            // Don't check non-elements (#13208)
            // Don't process clicks on disabled elements (#6911, #8165, #11382, #11764)
            if (cur.nodeType === 1 && (cur.disabled !== true || event.type !== "click")) {
                matches = [];
                for (i = 0; i < delegateCount; i++) {
                    handleObj = handlers[i];

                    // Don't conflict with Object.prototype properties (#13203)
                    sel = handleObj.selector + " ";

                    if (matches[sel] === undefined) {
                        matches[sel] = handleObj.needsContext ?
                            jQuery(sel, this).index(cur) >= 0 :
                            jQuery.find(sel, this, null, [cur]).length;
                    }
                    if (matches[sel]) {
                        matches.push(handleObj);
                    }
                }
                if (matches.length) {
                    handlerQueue.push({
                        elem: cur,
                        handlers: matches
                    });
                }
            }
        }
    }

    // Add the remaining (directly-bound) handlers
    if (delegateCount < handlers.length) {
        handlerQueue.push({
            elem: this,
            handlers: handlers.slice(delegateCount)
        });
    }

    return handlerQueue;
},

fix: function(event) {
    if (event[jQuery.expando]) {
        return event;
    }

    // Create a writable copy of the event object and normalize some properties
    var i, prop, copy,
        type = event.type,
        originalEvent = event,
        fixHook = this.fixHooks[type];

    if (!fixHook) {
        this.fixHooks[type] = fixHook =
            rmouseEvent.test(type) ? this.mouseHooks :
            rkeyEvent.test(type) ? this.keyHooks : {};
    }
    copy = fixHook.props ? this.props.concat(fixHook.props) : this.props;

    event = new jQuery.Event(originalEvent);

    i = copy.length;
    while (i--) {
        prop = copy[i];
        event[prop] = originalEvent[prop];
    }

    // Support: IE<9
    // Fix target property (#1925)
    if (!event.target) {
        event.target = originalEvent.srcElement || document;
    }

    // Support: Chrome 23+, Safari?
    // Target should not be a text node (#504, #13143)
    if (event.target.nodeType === 3) {
```

```
            event.target = event.target.parentNode;
        }

        // Support: IE<9
        // For mouse/key events, metaKey==false if it's undefined (#3368, #11328)
        event.metaKey = !!event.metaKey;

        return fixHook.filter ? fixHook.filter(event, originalEvent) : event;
    },

    // Includes some event props shared by KeyEvent and MouseEvent
    props: "altKey bubbles cancelable ctrlKey currentTarget eventPhase metaKey relatedTarget
         shiftKey target timeStamp view which".split(" "),

    fixHooks: {},

    keyHooks: {
        props: "char charCode key keyCode".split(" "),
        filter: function(event, original) {

            // Add which for key events
            if (event.which == null) {
                event.which = original.charCode != null ? original.charCode : original.keyCode;
            }

            return event;
        }
    },

    mouseHooks: {
        props: "button buttons clientX clientY fromElement offsetX offsetY pageX pageY screenX
             screenY toElement".split(" "),
        filter: function(event, original) {
            var body, eventDoc, doc,
                button = original.button,
                fromElement = original.fromElement;

            // Calculate pageX/Y if missing and clientX/Y available
            if (event.pageX == null && original.clientX != null) {
                eventDoc = event.target.ownerDocument || document;
                doc = eventDoc.documentElement;
                body = eventDoc.body;

                event.pageX = original.clientX + (doc && doc.scrollLeft || body && body.
                     scrollLeft || 0) - (doc && doc.clientLeft || body && body.clientLeft || 0);
                event.pageY = original.clientY + (doc && doc.scrollTop || body && body.scrollTop
                      || 0) - (doc && doc.clientTop || body && body.clientTop || 0);
            }

            // Add relatedTarget, if necessary
            if (!event.relatedTarget && fromElement) {
                event.relatedTarget = fromElement === event.target ? original.toElement :
                     fromElement;
            }

            // Add which for click: 1 === left; 2 === middle; 3 === right
            // Note: button is not normalized, so don't use it
            if (!event.which && button !== undefined) {
                event.which = (button & 1 ? 1 : (button & 2 ? 3 : (button & 4 ? 2 : 0)));
            }

            return event;
        }
    },

    special: {
        load: {
            // Prevent triggered image.load events from bubbling to window.load
            noBubble: true
        },
        focus: {
            // Fire native event if possible so blur/focus sequence is correct
            trigger: function() {
                if (this !== safeActiveElement() && this.focus) {
                    try {
                        this.focus();
                        return false;
                    } catch (e) {
                        // Support: IE<9
                        // If we error on focus to hidden element (#1486, #12518),
                        // let .trigger() run the handlers
                    }
                }
            },
            delegateType: "focusin"
        },
        blur: {
            trigger: function() {
                if (this === safeActiveElement() && this.blur) {
                    this.blur();
                    return false;
                }
```

```
            },
            delegateType: "focusout"
        },
        click: {
            // For checkbox, fire native event so checked state will be right
            trigger: function() {
                if (jQuery.nodeName(this, "input") && this.type === "checkbox" && this.click) {
                    this.click();
                    return false;
                }
            },

            // For cross-browser consistency, don't fire native .click() on links
            _default: function(event) {
                return jQuery.nodeName(event.target, "a");
            }
        },

        beforeunload: {
            postDispatch: function(event) {

                // Even when returnValue equals to undefined Firefox will still show alert
                if (event.result !== undefined) {
                    event.originalEvent.returnValue = event.result;
                }
            }
        }
    },

    simulate: function(type, elem, event, bubble) {
        // Piggyback on a donor event to simulate a different one.
        // Fake originalEvent to avoid donor's stopPropagation, but if the
        // simulated event prevents default then we do the same on the donor.
        var e = jQuery.extend(
            new jQuery.Event(),
            event, {
                type: type,
                isSimulated: true,
                originalEvent: {}
            }
        );
        if (bubble) {
            jQuery.event.trigger(e, null, elem);
        } else {
            jQuery.event.dispatch.call(elem, e);
        }
        if (e.isDefaultPrevented()) {
            event.preventDefault();
        }
    }
};

jQuery.removeEvent = document.removeEventListener ?
    function(elem, type, handle) {
        if (elem.removeEventListener) {
            elem.removeEventListener(type, handle, false);
        }
    } :
    function(elem, type, handle) {
        var name = "on" + type;

        if (elem.detachEvent) {

            // #8545, #7054, preventing memory leaks for custom events in IE6-8
            // detachEvent needed property on element, by name of that event, to properly expose
                it to GC
            if (typeof elem[name] === core_strundefined) {
                elem[name] = null;
            }

            elem.detachEvent(name, handle);
        }
    };

jQuery.Event = function(src, props) {
    // Allow instantiation without the 'new' keyword
    if (!(this instanceof jQuery.Event)) {
        return new jQuery.Event(src, props);
    }

    // Event object
    if (src && src.type) {
        this.originalEvent = src;
        this.type = src.type;

        // Events bubbling up the document may have been marked as prevented
        // by a handler lower down the tree; reflect the correct value.
        this.isDefaultPrevented = (src.defaultPrevented || src.returnValue === false ||
            src.getPreventDefault && src.getPreventDefault()) ? returnTrue : returnFalse;

        // Event type
    } else {
```

```
        this.type = src;
    }

    // Put explicitly provided properties onto the event object
    if (props) {
        jQuery.extend(this, props);
    }

    // Create a timestamp if incoming event doesn't have one
    this.timeStamp = src && src.timeStamp || jQuery.now();

    // Mark it as fixed
    this[jQuery.expando] = true;
};

// jQuery.Event is based on DOM3 Events as specified by the ECMAScript Language Binding
// http://www.w3.org/TR/2003/WD-DOM-Level-3-Events-20030331/ecma-script-binding.html
jQuery.Event.prototype = {
    isDefaultPrevented: returnFalse,
    isPropagationStopped: returnFalse,
    isImmediatePropagationStopped: returnFalse,

    preventDefault: function() {
        var e = this.originalEvent;

        this.isDefaultPrevented = returnTrue;
        if (!e) {
            return;
        }

        // If preventDefault exists, run it on the original event
        if (e.preventDefault) {
            e.preventDefault();

            // Support: IE
            // Otherwise set the returnValue property of the original event to false
        } else {
            e.returnValue = false;
        }
    },
    stopPropagation: function() {
        var e = this.originalEvent;

        this.isPropagationStopped = returnTrue;
        if (!e) {
            return;
        }
        // If stopPropagation exists, run it on the original event
        if (e.stopPropagation) {
            e.stopPropagation();
        }

        // Support: IE
        // Set the cancelBubble property of the original event to true
        e.cancelBubble = true;
    },
    stopImmediatePropagation: function() {
        this.isImmediatePropagationStopped = returnTrue;
        this.stopPropagation();
    }
};

// Create mouseenter/leave events using mouseover/out and event-time checks
jQuery.each({
    mouseenter: "mouseover",
    mouseleave: "mouseout"
}, function(orig, fix) {
    jQuery.event.special[orig] = {
        delegateType: fix,
        bindType: fix,

        handle: function(event) {
            var ret,
                target = this,
                related = event.relatedTarget,
                handleObj = event.handleObj;

            // For mousenter/leave call the handler if related is outside the target.
            // NB: No relatedTarget if the mouse left/entered the browser window
            if (!related || (related !== target && !jQuery.contains(target, related))) {
                event.type = handleObj.origType;
                ret = handleObj.handler.apply(this, arguments);
                event.type = fix;
            }
            return ret;
        }
    };
});

// IE submit delegation
if (!jQuery.support.submitBubbles) {
```

```
    jQuery.event.special.submit = {
        setup: function() {
            // Only need this for delegated form submit events
            if (jQuery.nodeName(this, "form")) {
                return false;
            }

            // Lazy-add a submit handler when a descendant form may potentially be submitted
            jQuery.event.add(this, "click._submit keypress._submit", function(e) {
                // Node name check avoids a VML-related crash in IE (#9807)
                var elem = e.target,
                    form = jQuery.nodeName(elem, "input") || jQuery.nodeName(elem, "button") ?
                        elem.form : undefined;
                if (form && !jQuery._data(form, "submitBubbles")) {
                    jQuery.event.add(form, "submit._submit", function(event) {
                        event._submit_bubble = true;
                    });
                    jQuery._data(form, "submitBubbles", true);
                }
            });
            // return undefined since we don't need an event listener
        },

        postDispatch: function(event) {
            // If form was submitted by the user, bubble the event up the tree
            if (event._submit_bubble) {
                delete event._submit_bubble;
                if (this.parentNode && !event.isTrigger) {
                    jQuery.event.simulate("submit", this.parentNode, event, true);
                }
            }
        },

        teardown: function() {
            // Only need this for delegated form submit events
            if (jQuery.nodeName(this, "form")) {
                return false;
            }

            // Remove delegated handlers; cleanData eventually reaps submit handlers attached
                above
            jQuery.event.remove(this, "._submit");
        }
    };
}

// IE change delegation and checkbox/radio fix
if (!jQuery.support.changeBubbles) {

    jQuery.event.special.change = {

        setup: function() {

            if (rformElems.test(this.nodeName)) {
                // IE doesn't fire change on a check/radio until blur; trigger it on click
                // after a propertychange. Eat the blur-change in special.change.handle.
                // This still fires onchange a second time for check/radio after blur.
                if (this.type === "checkbox" || this.type === "radio") {
                    jQuery.event.add(this, "propertychange._change", function(event) {
                        if (event.originalEvent.propertyName === "checked") {
                            this._just_changed = true;
                        }
                    });
                    jQuery.event.add(this, "click._change", function(event) {
                        if (this._just_changed && !event.isTrigger) {
                            this._just_changed = false;
                        }
                        // Allow triggered, simulated change events (#11500)
                        jQuery.event.simulate("change", this, event, true);
                    });
                }
                return false;
            }
            // Delegated event; lazy-add a change handler on descendant inputs
            jQuery.event.add(this, "beforeactivate._change", function(e) {
                var elem = e.target;

                if (rformElems.test(elem.nodeName) && !jQuery._data(elem, "changeBubbles")) {
                    jQuery.event.add(elem, "change._change", function(event) {
                        if (this.parentNode && !event.isSimulated && !event.isTrigger) {
                            jQuery.event.simulate("change", this.parentNode, event, true);
                        }
                    });
                    jQuery._data(elem, "changeBubbles", true);
                }
            });
        },

        handle: function(event) {
            var elem = event.target;

            // Swallow native change events from checkbox/radio, we already triggered them above
```

```
            if (this !== elem || event.isSimulated || event.isTrigger || (elem.type !== "radio"
                && elem.type !== "checkbox")) {
                return event.handleObj.handler.apply(this, arguments);
            }
        },

        teardown: function() {
            jQuery.event.remove(this, "._change");

            return !rformElems.test(this.nodeName);
        }
    };
}

// Create "bubbling" focus and blur events
if (!jQuery.support.focusinBubbles) {
    jQuery.each({
        focus: "focusin",
        blur: "focusout"
    }, function(orig, fix) {

        // Attach a single capturing handler while someone wants focusin/focusout
        var attaches = 0,
            handler = function(event) {
                jQuery.event.simulate(fix, event.target, jQuery.event.fix(event), true);
            };

        jQuery.event.special[fix] = {
            setup: function() {
                if (attaches++ === 0) {
                    document.addEventListener(orig, handler, true);
                }
            },
            teardown: function() {
                if (--attaches === 0) {
                    document.removeEventListener(orig, handler, true);
                }
            }
        };
    });
}

jQuery.fn.extend({

    on: function(types, selector, data, fn, /*INTERNAL*/ one) {
        var type, origFn;

        // Types can be a map of types/handlers
        if (typeof types === "object") {
            // ( types-Object, selector, data )
            if (typeof selector !== "string") {
                // ( types-Object, data )
                data = data || selector;
                selector = undefined;
            }
            for (type in types) {
                this.on(type, selector, data, types[type], one);
            }
            return this;
        }

        if (data == null && fn == null) {
            // ( types, fn )
            fn = selector;
            data = selector = undefined;
        } else if (fn == null) {
            if (typeof selector === "string") {
                // ( types, selector, fn )
                fn = data;
                data = undefined;
            } else {
                // ( types, data, fn )
                fn = data;
                data = selector;
                selector = undefined;
            }
        }
        if (fn === false) {
            fn = returnFalse;
        } else if (!fn) {
            return this;
        }

        if (one === 1) {
            origFn = fn;
            fn = function(event) {
                // Can use an empty set, since event contains the info
                jQuery().off(event);
                return origFn.apply(this, arguments);
            };
            // Use same guid so caller can remove using origFn
            fn.guid = origFn.guid || (origFn.guid = jQuery.guid++);
```

```
        }
        return this.each(function() {
            jQuery.event.add(this, types, fn, data, selector);
        });
    },
    one: function(types, selector, data, fn) {
        return this.on(types, selector, data, fn, 1);
    },
    off: function(types, selector, fn) {
        var handleObj, type;
        if (types && types.preventDefault && types.handleObj) {
            // ( event )  dispatched jQuery.Event
            handleObj = types.handleObj;
            jQuery(types.delegateTarget).off(
                handleObj.namespace ? handleObj.origType + "." + handleObj.namespace : handleObj
                    .origType,
                handleObj.selector,
                handleObj.handler
            );
            return this;
        }
        if (typeof types === "object") {
            // ( types-object [, selector] )
            for (type in types) {
                this.off(type, selector, types[type]);
            }
            return this;
        }
        if (selector === false || typeof selector === "function") {
            // ( types [, fn] )
            fn = selector;
            selector = undefined;
        }
        if (fn === false) {
            fn = returnFalse;
        }
        return this.each(function() {
            jQuery.event.remove(this, types, fn, selector);
        });
    },

    trigger: function(type, data) {
        return this.each(function() {
            jQuery.event.trigger(type, data, this);
        });
    },
    triggerHandler: function(type, data) {
        var elem = this[0];
        if (elem) {
            return jQuery.event.trigger(type, data, elem, true);
        }
    }
});
var isSimple = /^.[^:#\[\.,]*$/,
    rparentsprev = /^(?:parents|prev(?:Until|All))/,
    rneedsContext = jQuery.expr.match.needsContext,
    // methods guaranteed to produce a unique set when starting from a unique set
    guaranteedUnique = {
        children: true,
        contents: true,
        next: true,
        prev: true
    };

jQuery.fn.extend({
    find: function(selector) {
        var i,
            ret = [],
            self = this,
            len = self.length;

        if (typeof selector !== "string") {
            return this.pushStack(jQuery(selector).filter(function() {
                for (i = 0; i < len; i++) {
                    if (jQuery.contains(self[i], this)) {
                        return true;
                    }
                }
            }));
        }

        for (i = 0; i < len; i++) {
            jQuery.find(selector, self[i], ret);
        }

        // Needed because $( selector, context ) becomes $( context ).find( selector )
        ret = this.pushStack(len > 1 ? jQuery.unique(ret) : ret);
        ret.selector = this.selector ? this.selector + " " + selector : selector;
        return ret;
    },

    has: function(target) {
```

```
    var i,
        targets = jQuery(target, this),
        len = targets.length;

    return this.filter(function() {
        for (i = 0; i < len; i++) {
            if (jQuery.contains(this, targets[i])) {
                return true;
            }
        }
    });
},

not: function(selector) {
    return this.pushStack(winnow(this, selector || [], true));
},

filter: function(selector) {
    return this.pushStack(winnow(this, selector || [], false));
},

is: function(selector) {
    return !!winnow(
        this,

        // If this is a positional/relative selector, check membership in the returned set
        // so $("p:first").is("p:last") won't return true for a doc with two "p".
        typeof selector === "string" && rneedsContext.test(selector) ?
        jQuery(selector) :
        selector || [],
        false
    ).length;
},

closest: function(selectors, context) {
    var cur,
        i = 0,
        l = this.length,
        ret = [],
        pos = rneedsContext.test(selectors) || typeof selectors !== "string" ?
        jQuery(selectors, context || this.context) :
        0;

    for (; i < l; i++) {
        for (cur = this[i]; cur && cur !== context; cur = cur.parentNode) {
            // Always skip document fragments
            if (cur.nodeType < 11 && (pos ?
                    pos.index(cur) > -1 :

                    // Don't pass non-elements to Sizzle
                    cur.nodeType === 1 &&
                    jQuery.find.matchesSelector(cur, selectors))) {

                cur = ret.push(cur);
                break;
            }
        }
    }

    return this.pushStack(ret.length > 1 ? jQuery.unique(ret) : ret);
},

// Determine the position of an element within
// the matched set of elements
index: function(elem) {

    // No argument, return index in parent
    if (!elem) {
        return (this[0] && this[0].parentNode) ? this.first().prevAll().length : -1;
    }

    // index in selector
    if (typeof elem === "string") {
        return jQuery.inArray(this[0], jQuery(elem));
    }

    // Locate the position of the desired element
    return jQuery.inArray(
        // If it receives a jQuery object, the first element is used
        elem.jquery ? elem[0] : elem, this);
},

add: function(selector, context) {
    var set = typeof selector === "string" ?
        jQuery(selector, context) :
        jQuery.makeArray(selector && selector.nodeType ? [selector] : selector),
        all = jQuery.merge(this.get(), set);

    return this.pushStack(jQuery.unique(all));
},

addBack: function(selector) {
```

```
        return this.add(selector == null ?
            this.prevObject : this.prevObject.filter(selector)
        );
    }
});

function sibling(cur, dir) {
    do {
        cur = cur[dir];
    } while (cur && cur.nodeType !== 1);

    return cur;
}

jQuery.each({
    parent: function(elem) {
        var parent = elem.parentNode;
        return parent && parent.nodeType !== 11 ? parent : null;
    },
    parents: function(elem) {
        return jQuery.dir(elem, "parentNode");
    },
    parentsUntil: function(elem, i, until) {
        return jQuery.dir(elem, "parentNode", until);
    },
    next: function(elem) {
        return sibling(elem, "nextSibling");
    },
    prev: function(elem) {
        return sibling(elem, "previousSibling");
    },
    nextAll: function(elem) {
        return jQuery.dir(elem, "nextSibling");
    },
    prevAll: function(elem) {
        return jQuery.dir(elem, "previousSibling");
    },
    nextUntil: function(elem, i, until) {
        return jQuery.dir(elem, "nextSibling", until);
    },
    prevUntil: function(elem, i, until) {
        return jQuery.dir(elem, "previousSibling", until);
    },
    siblings: function(elem) {
        return jQuery.sibling((elem.parentNode || {}).firstChild, elem);
    },
    children: function(elem) {
        return jQuery.sibling(elem.firstChild);
    },
    contents: function(elem) {
        return jQuery.nodeName(elem, "iframe") ?
            elem.contentDocument || elem.contentWindow.document :
            jQuery.merge([], elem.childNodes);
    }
}, function(name, fn) {
    jQuery.fn[name] = function(until, selector) {
        var ret = jQuery.map(this, fn, until);

        if (name.slice(-5) !== "Until") {
            selector = until;
        }

        if (selector && typeof selector === "string") {
            ret = jQuery.filter(selector, ret);
        }

        if (this.length > 1) {
            // Remove duplicates
            if (!guaranteedUnique[name]) {
                ret = jQuery.unique(ret);
            }

            // Reverse order for parents* and prev-derivatives
            if (rparentsprev.test(name)) {
                ret = ret.reverse();
            }
        }

        return this.pushStack(ret);
    };
});

jQuery.extend({
    filter: function(expr, elems, not) {
        var elem = elems[0];

        if (not) {
            expr = ":not(" + expr + ")";
        }

        return elems.length === 1 && elem.nodeType === 1 ?
            jQuery.find.matchesSelector(elem, expr) ? [elem] : [] :
```

```
            jQuery.find.matches(expr, jQuery.grep(elems, function(elem) {
                return elem.nodeType === 1;
            }));
    },

    dir: function(elem, dir, until) {
        var matched = [],
            cur = elem[dir];

        while (cur && cur.nodeType !== 9 && (until === undefined || cur.nodeType !== 1 || !
            jQuery(cur).is(until))) {
            if (cur.nodeType === 1) {
                matched.push(cur);
            }
            cur = cur[dir];
        }
        return matched;
    },

    sibling: function(n, elem) {
        var r = [];

        for (; n; n = n.nextSibling) {
            if (n.nodeType === 1 && n !== elem) {
                r.push(n);
            }
        }

        return r;
    }
});

// Implement the identical functionality for filter and not
function winnow(elements, qualifier, not) {
    if (jQuery.isFunction(qualifier)) {
        return jQuery.grep(elements, function(elem, i) {
            /* jshint -W018 */
            return !!qualifier.call(elem, i, elem) !== not;
        });


    }

    if (qualifier.nodeType) {
        return jQuery.grep(elements, function(elem) {
            return (elem === qualifier) !== not;
        });

    }

    if (typeof qualifier === "string") {
        if (isSimple.test(qualifier)) {
            return jQuery.filter(qualifier, elements, not);
        }

        qualifier = jQuery.filter(qualifier, elements);
    }

    return jQuery.grep(elements, function(elem) {
        return (jQuery.inArray(elem, qualifier) >= 0) !== not;
    });
}

function createSafeFragment(document) {
    var list = nodeNames.split("|"),
        safeFrag = document.createDocumentFragment();

    if (safeFrag.createElement) {
        while (list.length) {
            safeFrag.createElement(
                list.pop()
            );
        }
    }
    return safeFrag;
}

var nodeNames = "abbr|article|aside|audio|bdi|canvas|data|datalist|details|figcaption|figure|
    footer|" +
    "header|hgroup|mark|meter|nav|output|progress|section|summary|time|video",
    rinlinejQuery = / jQuery\d+="(?:null|\d+)"/g,
    rnoshimcache = new RegExp("<(?:" + nodeNames + ")[\\s/>]", "i"),
    rleadingWhitespace = /^\s+/,
    rxhtmlTag = /<(?!area|br|col|embed|hr|img|input|link|meta|param)(([\w:]+)[^>]*)\/>/gi,
    rtagName = /<([\w:]+)/,
    rtbody = /<tbody/i,
    rhtml = /<|&#?\w+;/,
    rnoInnerhtml = /<(?:script|style|link)/i,
    manipulation_rcheckableType = /^(?:checkbox|radio)$/i,
    // checked="checked" or checked
    rchecked = /checked\s*(?:[^=]|=\s*.checked.)/i,
    rscriptType = /^$|\/(?:java|ecma)script/i,
```

```
    rscriptTypeMasked = /^true\/(.*)/,
    rcleanScript = /^\s*<!(?:\[CDATA\[|--)|(?:\]\]|--)>\s*$/g,

    // We have to close these tags to support XHTML (#13200)
    wrapMap = {
        option: [1, "<select multiple='multiple'>", "</select>"],
        legend: [1, "<fieldset>", "</fieldset>"],
        area: [1, "<map>", "</map>"],
        param: [1, "<object>", "</object>"],
        thead: [1, "<table>", "</table>"],
        tr: [2, "<table><tbody>", "</tbody></table>"],
        col: [2, "<table><tbody></tbody><colgroup>", "</colgroup></table>"],
        td: [3, "<table><tbody><tr>", "</tr></tbody></table>"],

        // IE6-8 can't serialize link, script, style, or any html5 (NoScope) tags,
        // unless wrapped in a div with non-breaking characters in front of it.
        _default: jQuery.support.htmlSerialize ? [0, "", ""] : [1, "X<div>", "</div>"]
    },
    safeFragment = createSafeFragment(document),
    fragmentDiv = safeFragment.appendChild(document.createElement("div"));

wrapMap.optgroup = wrapMap.option;
wrapMap.tbody = wrapMap.tfoot = wrapMap.colgroup = wrapMap.caption = wrapMap.thead;
wrapMap.th = wrapMap.td;

jQuery.fn.extend({
    text: function(value) {
        return jQuery.access(this, function(value) {
            return value === undefined ?
                jQuery.text(this) :
                this.empty().append((this[0] && this[0].ownerDocument || document).
                    createTextNode(value));
        }, null, value, arguments.length);
    },

    append: function() {
        return this.domManip(arguments, function(elem) {
            if (this.nodeType === 1 || this.nodeType === 11 || this.nodeType === 9) {
                var target = manipulationTarget(this, elem);
                target.appendChild(elem);
            }
        });
    },

    prepend: function() {
        return this.domManip(arguments, function(elem) {
            if (this.nodeType === 1 || this.nodeType === 11 || this.nodeType === 9) {
                var target = manipulationTarget(this, elem);
                target.insertBefore(elem, target.firstChild);
            }
        });
    },

    before: function() {
        return this.domManip(arguments, function(elem) {
            if (this.parentNode) {
                this.parentNode.insertBefore(elem, this);
            }
        });
    },

    after: function() {
        return this.domManip(arguments, function(elem) {
            if (this.parentNode) {
                this.parentNode.insertBefore(elem, this.nextSibling);
            }
        });
    },

    // keepData is for internal use only--do not document
    remove: function(selector, keepData) {
        var elem,
            elems = selector ? jQuery.filter(selector, this) : this,
            i = 0;

        for (;
            (elem = elems[i]) != null; i++) {

            if (!keepData && elem.nodeType === 1) {
                jQuery.cleanData(getAll(elem));
            }

            if (elem.parentNode) {
                if (keepData && jQuery.contains(elem.ownerDocument, elem)) {
                    setGlobalEval(getAll(elem, "script"));
                }
                elem.parentNode.removeChild(elem);
            }
        }

        return this;
    },
```

```
empty: function() {
    var elem,
        i = 0;

    for (;
        (elem = this[i]) != null; i++) {
        // Remove element nodes and prevent memory leaks
        if (elem.nodeType === 1) {
            jQuery.cleanData(getAll(elem, false));
        }

        // Remove any remaining nodes
        while (elem.firstChild) {
            elem.removeChild(elem.firstChild);
        }

        // If this is a select, ensure that it displays empty (#12336)
        // Support: IE<9
        if (elem.options && jQuery.nodeName(elem, "select")) {
            elem.options.length = 0;
        }
    }

    return this;
},

clone: function(dataAndEvents, deepDataAndEvents) {
    dataAndEvents = dataAndEvents == null ? false : dataAndEvents;
    deepDataAndEvents = deepDataAndEvents == null ? dataAndEvents : deepDataAndEvents;

    return this.map(function() {
        return jQuery.clone(this, dataAndEvents, deepDataAndEvents);
    });
},

html: function(value) {
    return jQuery.access(this, function(value) {
        var elem = this[0] || {},
            i = 0,
            l = this.length;

        if (value === undefined) {
            return elem.nodeType === 1 ?
                elem.innerHTML.replace(rinlinejQuery, "") :
                undefined;
        }

        // See if we can take a shortcut and just use innerHTML
        if (typeof value === "string" && !rnoInnerhtml.test(value) &&
            (jQuery.support.htmlSerialize || !rnoshimcache.test(value)) &&
            (jQuery.support.leadingWhitespace || !rleadingWhitespace.test(value)) &&
            !wrapMap[(rtagName.exec(value) || ["", ""])[1].toLowerCase()]) {

            value = value.replace(rxhtmlTag, "<$1></$2>");

            try {
                for (; i < l; i++) {
                    // Remove element nodes and prevent memory leaks
                    elem = this[i] || {};
                    if (elem.nodeType === 1) {
                        jQuery.cleanData(getAll(elem, false));
                        elem.innerHTML = value;
                    }
                }

                elem = 0;

                // If using innerHTML throws an exception, use the fallback method
            } catch (e) {}
        }

        if (elem) {
            this.empty().append(value);
        }
    }, null, value, arguments.length);
},

replaceWith: function() {
    var
    // Snapshot the DOM in case .domManip sweeps something relevant into its fragment
        args = jQuery.map(this, function(elem) {
            return [elem.nextSibling, elem.parentNode];
        }),
        i = 0;

    // Make the changes, replacing each context element with the new content
    this.domManip(arguments, function(elem) {
        var next = args[i++],
            parent = args[i++];

        if (parent) {
```

```
            // Don't use the snapshot next if it has moved (#13810)
            if (next && next.parentNode !== parent) {
                next = this.nextSibling;
            }
            jQuery(this).remove();
            parent.insertBefore(elem, next);
        }
        // Allow new content to include elements from the context set
    }, true);

    // Force removal if there was no new content (e.g., from empty arguments)
    return i ? this : this.remove();
},

detach: function(selector) {
    return this.remove(selector, true);
},

domManip: function(args, callback, allowIntersection) {

    // Flatten any nested arrays
    args = core_concat.apply([], args);

    var first, node, hasScripts,
        scripts, doc, fragment,
        i = 0,
        l = this.length,
        set = this,
        iNoClone = l - 1,
        value = args[0],
        isFunction = jQuery.isFunction(value);

    // We can't cloneNode fragments that contain checked, in WebKit
    if (isFunction || !(l <= 1 || typeof value !== "string" || jQuery.support.checkClone ||
        !rchecked.test(value))) {
        return this.each(function(index) {
            var self = set.eq(index);
            if (isFunction) {
                args[0] = value.call(this, index, self.html());
            }
            self.domManip(args, callback, allowIntersection);
        });
    }

    if (l) {
        fragment = jQuery.buildFragment(args, this[0].ownerDocument, false, !
            allowIntersection && this);
        first = fragment.firstChild;

        if (fragment.childNodes.length === 1) {
            fragment = first;
        }

        if (first) {
            scripts = jQuery.map(getAll(fragment, "script"), disableScript);
            hasScripts = scripts.length;

            // Use the original fragment for the last item instead of the first because it
                can end up
            // being emptied incorrectly in certain situations (#8070).
            for (; i < l; i++) {
                node = fragment;

                if (i !== iNoClone) {
                    node = jQuery.clone(node, true, true);

                    // Keep references to cloned scripts for later restoration
                    if (hasScripts) {
                        jQuery.merge(scripts, getAll(node, "script"));
                    }
                }

                callback.call(this[i], node, i);
            }

            if (hasScripts) {
                doc = scripts[scripts.length - 1].ownerDocument;

                // Reenable scripts
                jQuery.map(scripts, restoreScript);

                // Evaluate executable scripts on first document insertion
                for (i = 0; i < hasScripts; i++) {
                    node = scripts[i];
                    if (rscriptType.test(node.type || "") &&
                        !jQuery._data(node, "globalEval") && jQuery.contains(doc, node)) {

                        if (node.src) {
                            // Hope ajax is available...
                            jQuery._evalUrl(node.src);
                        } else {
                            jQuery.globalEval((node.text || node.textContent || node.
```

```
                                        innerHTML || "").replace(rcleanScript, ""));
                                }
                            }
                        }
                    }

                    // Fix #11809: Avoid leaking memory
                    fragment = first = null;
                }
            }

            return this;
        }
    });

    // Support: IE<8
    // Manipulating tables requires a tbody
    function manipulationTarget(elem, content) {
        return jQuery.nodeName(elem, "table") &&
            jQuery.nodeName(content.nodeType === 1 ? content : content.firstChild, "tr") ?

            elem.getElementsByTagName("tbody")[0] ||
            elem.appendChild(elem.ownerDocument.createElement("tbody")) :
            elem;
    }

    // Replace/restore the type attribute of script elements for safe DOM manipulation
    function disableScript(elem) {
        elem.type = (jQuery.find.attr(elem, "type") !== null) + "/" + elem.type;
        return elem;
    }

    function restoreScript(elem) {
        var match = rscriptTypeMasked.exec(elem.type);
        if (match) {
            elem.type = match[1];
        } else {
            elem.removeAttribute("type");
        }
        return elem;
    }

    // Mark scripts as having already been evaluated
    function setGlobalEval(elems, refElements) {
        var elem,
            i = 0;
        for (;
            (elem = elems[i]) != null; i++) {
            jQuery._data(elem, "globalEval", !refElements || jQuery._data(refElements[i], "
                globalEval"));
        }
    }

    function cloneCopyEvent(src, dest) {

        if (dest.nodeType !== 1 || !jQuery.hasData(src)) {
            return;
        }

        var type, i, l,
            oldData = jQuery._data(src),
            curData = jQuery._data(dest, oldData),
            events = oldData.events;

        if (events) {
            delete curData.handle;
            curData.events = {};

            for (type in events) {
                for (i = 0, l = events[type].length; i < l; i++) {
                    jQuery.event.add(dest, type, events[type][i]);
                }
            }
        }

        // make the cloned public data object a copy from the original
        if (curData.data) {
            curData.data = jQuery.extend({}, curData.data);
        }
    }

    function fixCloneNodeIssues(src, dest) {
        var nodeName, e, data;

        // We do not need to do anything for non-Elements
        if (dest.nodeType !== 1) {
            return;
        }

        nodeName = dest.nodeName.toLowerCase();

        // IE6-8 copies events bound via attachEvent when using cloneNode.
```

```
    if (!jQuery.support.noCloneEvent && dest[jQuery.expando]) {
        data = jQuery._data(dest);

        for (e in data.events) {
            jQuery.removeEvent(dest, e, data.handle);
        }

        // Event data gets referenced instead of copied if the expando gets copied too
        dest.removeAttribute(jQuery.expando);
    }

    // IE blanks contents when cloning scripts, and tries to evaluate newly-set text
    if (nodeName === "script" && dest.text !== src.text) {
        disableScript(dest).text = src.text;
        restoreScript(dest);

        // IE6-10 improperly clones children of object elements using classid.
        // IE10 throws NoModificationAllowedError if parent is null, #12132.
    } else if (nodeName === "object") {
        if (dest.parentNode) {
            dest.outerHTML = src.outerHTML;
        }

        // This path appears unavoidable for IE9. When cloning an object
        // element in IE9, the outerHTML strategy above is not sufficient.
        // If the src has innerHTML and the destination does not,
        // copy the src.innerHTML into the dest.innerHTML. #10324
        if (jQuery.support.html5Clone && (src.innerHTML && !jQuery.trim(dest.innerHTML))) {
            dest.innerHTML = src.innerHTML;
        }

    } else if (nodeName === "input" && manipulation_rcheckableType.test(src.type)) {
        // IE6-8 fails to persist the checked state of a cloned checkbox
        // or radio button. Worse, IE6-7 fail to give the cloned element
        // a checked appearance if the defaultChecked value isn't also set

        dest.defaultChecked = dest.checked = src.checked;

        // IE6-7 get confused and end up setting the value of a cloned
        // checkbox/radio button to an empty string instead of "on"
        if (dest.value !== src.value) {
            dest.value = src.value;
        }

        // IE6-8 fails to return the selected option to the default selected
        // state when cloning options
    } else if (nodeName === "option") {
        dest.defaultSelected = dest.selected = src.defaultSelected;

        // IE6-8 fails to set the defaultValue to the correct value when
        // cloning other types of input fields
    } else if (nodeName === "input" || nodeName === "textarea") {
        dest.defaultValue = src.defaultValue;
    }
}

jQuery.each({
    appendTo: "append",
    prependTo: "prepend",
    insertBefore: "before",
    insertAfter: "after",
    replaceAll: "replaceWith"
}, function(name, original) {
    jQuery.fn[name] = function(selector) {
        var elems,
            i = 0,
            ret = [],
            insert = jQuery(selector),
            last = insert.length - 1;

        for (; i <= last; i++) {
            elems = i === last ? this : this.clone(true);
            jQuery(insert[i])[original](elems);

            // Modern browsers can apply jQuery collections as arrays, but oldIE needs a .get()
            core_push.apply(ret, elems.get());
        }

        return this.pushStack(ret);
    };
});

function getAll(context, tag) {
    var elems, elem,
        i = 0,
        found = typeof context.getElementsByTagName !== core_strundefined ? context.
            getElementsByTagName(tag || "*") :
        typeof context.querySelectorAll !== core_strundefined ? context.querySelectorAll(tag ||
            "*") :
        undefined;

    if (!found) {
```

```
        for (found = [], elems = context.childNodes || context;
            (elem = elems[i]) != null; i++) {
            if (!tag || jQuery.nodeName(elem, tag)) {
                found.push(elem);
            } else {
                jQuery.merge(found, getAll(elem, tag));
            }
        }
    }

    return tag === undefined || tag && jQuery.nodeName(context, tag) ?
        jQuery.merge([context], found) :
        found;
}

// Used in buildFragment, fixes the defaultChecked property
function fixDefaultChecked(elem) {
    if (manipulation_rcheckableType.test(elem.type)) {
        elem.defaultChecked = elem.checked;
    }
}

jQuery.extend({
    clone: function(elem, dataAndEvents, deepDataAndEvents) {
        var destElements, node, clone, i, srcElements,
            inPage = jQuery.contains(elem.ownerDocument, elem);

        if (jQuery.support.html5Clone || jQuery.isXMLDoc(elem) || !rnoshimcache.test("<" + elem.
            nodeName + ">")) {
            clone = elem.cloneNode(true);

            // IE<=8 does not properly clone detached, unknown element nodes
        } else {
            fragmentDiv.innerHTML = elem.outerHTML;
            fragmentDiv.removeChild(clone = fragmentDiv.firstChild);
        }

        if ((!jQuery.support.noCloneEvent || !jQuery.support.noCloneChecked) &&
            (elem.nodeType === 1 || elem.nodeType === 11) && !jQuery.isXMLDoc(elem)) {

            // We eschew Sizzle here for performance reasons: http://jsperf.com/getall-vs-sizzle
                /2
            destElements = getAll(clone);
            srcElements = getAll(elem);

            // Fix all IE cloning issues
            for (i = 0;
                (node = srcElements[i]) != null; ++i) {
                // Ensure that the destination node is not null; Fixes #9587
                if (destElements[i]) {
                    fixCloneNodeIssues(node, destElements[i]);
                }
            }
        }

        // Copy the events from the original to the clone
        if (dataAndEvents) {
            if (deepDataAndEvents) {
                srcElements = srcElements || getAll(elem);
                destElements = destElements || getAll(clone);

                for (i = 0;
                    (node = srcElements[i]) != null; i++) {
                    cloneCopyEvent(node, destElements[i]);
                }
            } else {
                cloneCopyEvent(elem, clone);
            }
        }

        // Preserve script evaluation history
        destElements = getAll(clone, "script");
        if (destElements.length > 0) {
            setGlobalEval(destElements, !inPage && getAll(elem, "script"));
        }

        destElements = srcElements = node = null;

        // Return the cloned set
        return clone;
    },

    buildFragment: function(elems, context, scripts, selection) {
        var j, elem, contains,
            tmp, tag, tbody, wrap,
            l = elems.length,

            // Ensure a safe fragment
            safe = createSafeFragment(context),

            nodes = [],
            i = 0;
```

```
for (; i < l; i++) {
    elem = elems[i];

    if (elem || elem === 0) {

        // Add nodes directly
        if (jQuery.type(elem) === "object") {
            jQuery.merge(nodes, elem.nodeType ? [elem] : elem);

            // Convert non-html into a text node
        } else if (!rhtml.test(elem)) {
            nodes.push(context.createTextNode(elem));

            // Convert html into DOM nodes
        } else {
            tmp = tmp || safe.appendChild(context.createElement("div"));

            // Deserialize a standard representation
            tag = (rtagName.exec(elem) || ["", ""])[1].toLowerCase();
            wrap = wrapMap[tag] || wrapMap._default;

            tmp.innerHTML = wrap[1] + elem.replace(rxhtmlTag, "<$1></$2>") + wrap[2];

            // Descend through wrappers to the right content
            j = wrap[0];
            while (j--) {
                tmp = tmp.lastChild;
            }

            // Manually add leading whitespace removed by IE
            if (!jQuery.support.leadingWhitespace && rleadingWhitespace.test(elem)) {
                nodes.push(context.createTextNode(rleadingWhitespace.exec(elem)[0]));
            }

            // Remove IE's autoinserted <tbody> from table fragments
            if (!jQuery.support.tbody) {

                // String was a <table>, *may* have spurious <tbody>
                elem = tag === "table" && !rtbody.test(elem) ?
                    tmp.firstChild :

                    // String was a bare <thead> or <tfoot>
                    wrap[1] === "<table>" && !rtbody.test(elem) ?
                    tmp :
                    0;

                j = elem && elem.childNodes.length;
                while (j--) {
                    if (jQuery.nodeName((tbody = elem.childNodes[j]), "tbody") && !tbody
                        .childNodes.length) {
                        elem.removeChild(tbody);
                    }
                }
            }

            jQuery.merge(nodes, tmp.childNodes);

            // Fix #12392 for WebKit and IE > 9
            tmp.textContent = "";

            // Fix #12392 for oldIE
            while (tmp.firstChild) {
                tmp.removeChild(tmp.firstChild);
            }

            // Remember the top-level container for proper cleanup
            tmp = safe.lastChild;
        }
    }
}

// Fix #11356: Clear elements from fragment
if (tmp) {
    safe.removeChild(tmp);
}

// Reset defaultChecked for any radios and checkboxes
// about to be appended to the DOM in IE 6/7 (#8060)
if (!jQuery.support.appendChecked) {
    jQuery.grep(getAll(nodes, "input"), fixDefaultChecked);
}

i = 0;
while ((elem = nodes[i++])) {

    // #4087 - If origin and destination elements are the same, and this is
    // that element, do not do anything
    if (selection && jQuery.inArray(elem, selection) !== -1) {
        continue;
    }
```

```
            contains = jQuery.contains(elem.ownerDocument, elem);

            // Append to fragment
            tmp = getAll(safe.appendChild(elem), "script");

            // Preserve script evaluation history
            if (contains) {
                setGlobalEval(tmp);
            }

            // Capture executables
            if (scripts) {
                j = 0;
                while ((elem = tmp[j++])) {
                    if (rscriptType.test(elem.type || "")) {
                        scripts.push(elem);
                    }
                }
            }
        }

        tmp = null;

        return safe;
    },

    cleanData: function(elems, /* internal */ acceptData) {
        var elem, type, id, data,
            i = 0,
            internalKey = jQuery.expando,
            cache = jQuery.cache,
            deleteExpando = jQuery.support.deleteExpando,
            special = jQuery.event.special;

        for (;
            (elem = elems[i]) != null; i++) {

            if (acceptData || jQuery.acceptData(elem)) {

                id = elem[internalKey];
                data = id && cache[id];

                if (data) {
                    if (data.events) {
                        for (type in data.events) {
                            if (special[type]) {
                                jQuery.event.remove(elem, type);

                                // This is a shortcut to avoid jQuery.event.remove's overhead
                            } else {
                                jQuery.removeEvent(elem, type, data.handle);
                            }
                        }
                    }

                    // Remove cache only if it was not already removed by jQuery.event.remove
                    if (cache[id]) {

                        delete cache[id];

                        // IE does not allow us to delete expando properties from nodes,
                        // nor does it have a removeAttribute function on Document nodes;
                        // we must handle all of these cases
                        if (deleteExpando) {
                            delete elem[internalKey];

                        } else if (typeof elem.removeAttribute !== core_strundefined) {
                            elem.removeAttribute(internalKey);

                        } else {
                            elem[internalKey] = null;
                        }

                        core_deletedIds.push(id);
                    }
                }
            }
        }
    },

    _evalUrl: function(url) {
        return jQuery.ajax({
            url: url,
            type: "GET",
            dataType: "script",
            async: false,
            global: false,
            "throws": true
        });
    }
});
jQuery.fn.extend({
```

```
    wrapAll: function(html) {
        if (jQuery.isFunction(html)) {
            return this.each(function(i) {
                jQuery(this).wrapAll(html.call(this, i));
            });
        }

        if (this[0]) {
            // The elements to wrap the target around
            var wrap = jQuery(html, this[0].ownerDocument).eq(0).clone(true);

            if (this[0].parentNode) {
                wrap.insertBefore(this[0]);
            }

            wrap.map(function() {
                var elem = this;

                while (elem.firstChild && elem.firstChild.nodeType === 1) {
                    elem = elem.firstChild;
                }

                return elem;
            }).append(this);
        }

        return this;
    },

    wrapInner: function(html) {
        if (jQuery.isFunction(html)) {
            return this.each(function(i) {
                jQuery(this).wrapInner(html.call(this, i));
            });
        }

        return this.each(function() {
            var self = jQuery(this),
                contents = self.contents();

            if (contents.length) {
                contents.wrapAll(html);

            } else {
                self.append(html);
            }
        });
    },

    wrap: function(html) {
        var isFunction = jQuery.isFunction(html);

        return this.each(function(i) {
            jQuery(this).wrapAll(isFunction ? html.call(this, i) : html);
        });
    },

    unwrap: function() {
        return this.parent().each(function() {
            if (!jQuery.nodeName(this, "body")) {
                jQuery(this).replaceWith(this.childNodes);
            }
        }).end();
    }
});
var iframe, getStyles, curCSS,
    ralpha = /alpha\([^)]*\)/i,
    ropacity = /opacity\s*=\s*([^)]*)/,
    rposition = /^(top|right|bottom|left)$/,
    // swappable if display is none or starts with table except "table", "table-cell", or "table
        -caption"
    // see here for display values: https://developer.mozilla.org/en-US/docs/CSS/display
    rdisplayswap = /^(none|table(?!-c[ea]).+)/,
    rmargin = /^margin/,
    rnumsplit = new RegExp("^(" + core_pnum + ")(.*)$", "i"),
    rnumnonpx = new RegExp("^(" + core_pnum + ")(?!px)[a-z%]+$", "i"),
    rrelNum = new RegExp("^([+-])=(" + core_pnum + ")", "i"),
    elemdisplay = {
        BODY: "block"
    },

    cssShow = {
        position: "absolute",
        visibility: "hidden",
        display: "block"
    },
    cssNormalTransform = {
        letterSpacing: 0,
        fontWeight: 400
    },

    cssExpand = ["Top", "Right", "Bottom", "Left"],
```

```
    cssPrefixes = ["Webkit", "O", "Moz", "ms"];

// return a css property mapped to a potentially vendor prefixed property
function vendorPropName(style, name) {

    // shortcut for names that are not vendor prefixed
    if (name in style) {
        return name;
    }

    // check for vendor prefixed names
    var capName = name.charAt(0).toUpperCase() + name.slice(1),
        origName = name,
        i = cssPrefixes.length;

    while (i--) {
        name = cssPrefixes[i] + capName;
        if (name in style) {
            return name;
        }
    }

    return origName;
}

function isHidden(elem, el) {
    // isHidden might be called from jQuery#filter function;
    // in that case, element will be second argument
    elem = el || elem;
    return jQuery.css(elem, "display") === "none" || !jQuery.contains(elem.ownerDocument, elem);
}

function showHide(elements, show) {
    var display, elem, hidden,
        values = [],
        index = 0,
        length = elements.length;

    for (; index < length; index++) {
        elem = elements[index];
        if (!elem.style) {
            continue;
        }

        values[index] = jQuery._data(elem, "olddisplay");
        display = elem.style.display;
        if (show) {
            // Reset the inline display of this element to learn if it is
            // being hidden by cascaded rules or not
            if (!values[index] && display === "none") {
                elem.style.display = "";
            }

            // Set elements which have been overridden with display: none
            // in a stylesheet to whatever the default browser style is
            // for such an element
            if (elem.style.display === "" && isHidden(elem)) {
                values[index] = jQuery._data(elem, "olddisplay", css_defaultDisplay(elem.
                    nodeName));
            }
        } else {

            if (!values[index]) {
                hidden = isHidden(elem);

                if (display && display !== "none" || !hidden) {
                    jQuery._data(elem, "olddisplay", hidden ? display : jQuery.css(elem, "
                        display"));
                }
            }
        }
    }

    // Set the display of most of the elements in a second loop
    // to avoid the constant reflow
    for (index = 0; index < length; index++) {
        elem = elements[index];
        if (!elem.style) {
            continue;
        }
        if (!show || elem.style.display === "none" || elem.style.display === "") {
            elem.style.display = show ? values[index] || "" : "none";
        }
    }

    return elements;
}

jQuery.fn.extend({
    css: function(name, value) {
        return jQuery.access(this, function(elem, name, value) {
            var len, styles,
```

```
                map = {},
                i = 0;

            if (jQuery.isArray(name)) {
                styles = getStyles(elem);
                len = name.length;

                for (; i < len; i++) {
                    map[name[i]] = jQuery.css(elem, name[i], false, styles);
                }

                return map;
            }

            return value !== undefined ?
                jQuery.style(elem, name, value) :
                jQuery.css(elem, name);
        }, name, value, arguments.length > 1);
    },
    show: function() {
        return showHide(this, true);
    },
    hide: function() {
        return showHide(this);
    },
    toggle: function(state) {
        if (typeof state === "boolean") {
            return state ? this.show() : this.hide();
        }

        return this.each(function() {
            if (isHidden(this)) {
                jQuery(this).show();
            } else {
                jQuery(this).hide();
            }
        });
    }
});

jQuery.extend({
    // Add in style property hooks for overriding the default
    // behavior of getting and setting a style property
    cssHooks: {


        opacity: {
            get: function(elem, computed) {
                if (computed) {
                    // We should always get a number back from opacity
                    var ret = curCSS(elem, "opacity");
                    return ret === "" ? "1" : ret;
                }
            }
        }
    },

    // Don't automatically add "px" to these possibly-unitless properties
    cssNumber: {
        "columnCount": true,
        "fillOpacity": true,
        "fontWeight": true,
        "lineHeight": true,
        "opacity": true,
        "order": true,
        "orphans": true,
        "widows": true,
        "zIndex": true,
        "zoom": true
    },

    // Add in properties whose names you wish to fix before
    // setting or getting the value
    cssProps: {
        // normalize float css property
        "float": jQuery.support.cssFloat ? "cssFloat" : "styleFloat"
    },

    // Get and set the style property on a DOM Node
    style: function(elem, name, value, extra) {
        // Don't set styles on text and comment nodes
        if (!elem || elem.nodeType === 3 || elem.nodeType === 8 || !elem.style) {
            return;
        }

        // Make sure that we're working with the right name
        var ret, type, hooks,
            origName = jQuery.camelCase(name),
            style = elem.style;

        name = jQuery.cssProps[origName] || (jQuery.cssProps[origName] = vendorPropName(style,
            origName));
```

```
    // gets hook for the prefixed version
    // followed by the unprefixed version
    hooks = jQuery.cssHooks[name] || jQuery.cssHooks[origName];

    // Check if we're setting a value
    if (value !== undefined) {
        type = typeof value;

        // convert relative number strings (+= or -=) to relative numbers. #7345
        if (type === "string" && (ret = rrelNum.exec(value))) {
            value = (ret[1] + 1) * ret[2] + parseFloat(jQuery.css(elem, name));
            // Fixes bug #9237
            type = "number";
        }

        // Make sure that NaN and null values aren't set. See: #7116
        if (value == null || type === "number" && isNaN(value)) {
            return;
        }

        // If a number was passed in, add 'px' to the (except for certain CSS properties)
        if (type === "number" && !jQuery.cssNumber[origName]) {
            value += "px";
        }

        // Fixes #8908, it can be done more correctly by specifing setters in cssHooks,
        // but it would mean to define eight (for every problematic property) identical
            functions
        if (!jQuery.support.clearCloneStyle && value === "" && name.indexOf("background")
            === 0) {
            style[name] = "inherit";
        }

        // If a hook was provided, use that value, otherwise just set the specified value
        if (!hooks || !("set" in hooks) || (value = hooks.set(elem, value, extra)) !==
            undefined) {

            // Wrapped to prevent IE from throwing errors when 'invalid' values are provided
            // Fixes bug #5509
            try {
                style[name] = value;
            } catch (e) {}
        }

    } else {
        // If a hook was provided get the non-computed value from there
        if (hooks && "get" in hooks && (ret = hooks.get(elem, false, extra)) !== undefined)
            {
            return ret;
        }

        // Otherwise just get the value from the style object
        return style[name];
    }
},

css: function(elem, name, extra, styles) {
    var num, val, hooks,
        origName = jQuery.camelCase(name);

    // Make sure that we're working with the right name
    name = jQuery.cssProps[origName] || (jQuery.cssProps[origName] = vendorPropName(elem.
        style, origName));

    // gets hook for the prefixed version
    // followed by the unprefixed version
    hooks = jQuery.cssHooks[name] || jQuery.cssHooks[origName];

    // If a hook was provided get the computed value from there
    if (hooks && "get" in hooks) {
        val = hooks.get(elem, true, extra);
    }

    // Otherwise, if a way to get the computed value exists, use that
    if (val === undefined) {
        val = curCSS(elem, name, styles);
    }

    //convert "normal" to computed value
    if (val === "normal" && name in cssNormalTransform) {
        val = cssNormalTransform[name];
    }

    // Return, converting to number if forced or a qualifier was provided and val looks
        numeric
    if (extra === "" || extra) {
        num = parseFloat(val);
        return extra === true || jQuery.isNumeric(num) ? num || 0 : val;
    }
    return val;
}
```

```
});

// NOTE: we've included the "window" in window.getComputedStyle
// because jsdom on node.js will break without it.
if (window.getComputedStyle) {
    getStyles = function(elem) {
        return window.getComputedStyle(elem, null);
    };

    curCSS = function(elem, name, _computed) {
        var width, minWidth, maxWidth,
            computed = _computed || getStyles(elem),

            // getPropertyValue is only needed for .css('filter') in IE9, see #12537
            ret = computed ? computed.getPropertyValue(name) || computed[name] : undefined,
            style = elem.style;

        if (computed) {

            if (ret === "" && !jQuery.contains(elem.ownerDocument, elem)) {
                ret = jQuery.style(elem, name);
            }

            // A tribute to the "awesome hack by Dean Edwards"
            // Chrome < 17 and Safari 5.0 uses "computed value" instead of "used value" for
                margin-right
            // Safari 5.1.7 (at least) returns percentage for a larger set of values, but width
                seems to be reliably pixels
            // this is against the CSSOM draft spec: http://dev.w3.org/csswg/cssom/#resolved-
                values
            if (rnumnonpx.test(ret) && rmargin.test(name)) {

                // Remember the original values
                width = style.width;
                minWidth = style.minWidth;
                maxWidth = style.maxWidth;

                // Put in the new values to get a computed value out
                style.minWidth = style.maxWidth = style.width = ret;
                ret = computed.width;

                // Revert the changed values
                style.width = width;
                style.minWidth = minWidth;
                style.maxWidth = maxWidth;
            }
        }

        return ret;
    };
} else if (document.documentElement.currentStyle) {
    getStyles = function(elem) {
        return elem.currentStyle;
    };

    curCSS = function(elem, name, _computed) {
        var left, rs, rsLeft,
            computed = _computed || getStyles(elem),
            ret = computed ? computed[name] : undefined,
            style = elem.style;

        // Avoid setting ret to empty string here
        // so we don't default to auto
        if (ret == null && style && style[name]) {
            ret = style[name];
        }

        // From the awesome hack by Dean Edwards
        // http://erik.eae.net/archives/2007/07/27/18.54.15/#comment-102291

        // If we're not dealing with a regular pixel number
        // but a number that has a weird ending, we need to convert it to pixels
        // but not position css attributes, as those are proportional to the parent element
            instead
        // and we can't measure the parent instead because it might trigger a "stacking dolls"
            problem
        if (rnumnonpx.test(ret) && !rposition.test(name)) {

            // Remember the original values
            left = style.left;
            rs = elem.runtimeStyle;
            rsLeft = rs && rs.left;

            // Put in the new values to get a computed value out
            if (rsLeft) {
                rs.left = elem.currentStyle.left;
            }
            style.left = name === "fontSize" ? "1em" : ret;
            ret = style.pixelLeft + "px";

            // Revert the changed values
            style.left = left;
```

```
            if (rsLeft) {
                rs.left = rsLeft;
            }
        }

        return ret === "" ? "auto" : ret;
    };
}

function setPositiveNumber(elem, value, subtract) {
    var matches = rnumsplit.exec(value);
    return matches ?
        // Guard against undefined "subtract", e.g., when used as in cssHooks
        Math.max(0, matches[1] - (subtract || 0)) + (matches[2] || "px") :
        value;
}

function augmentWidthOrHeight(elem, name, extra, isBorderBox, styles) {
    var i = extra === (isBorderBox ? "border" : "content") ?
        // If we already have the right measurement, avoid augmentation
        4 :
        // Otherwise initialize for horizontal or vertical properties
        name === "width" ? 1 : 0,

        val = 0;

    for (; i < 4; i += 2) {
        // both box models exclude margin, so add it if we want it
        if (extra === "margin") {
            val += jQuery.css(elem, extra + cssExpand[i], true, styles);
        }

        if (isBorderBox) {
            // border-box includes padding, so remove it if we want content
            if (extra === "content") {
                val -= jQuery.css(elem, "padding" + cssExpand[i], true, styles);
            }

            // at this point, extra isn't border nor margin, so remove border
            if (extra !== "margin") {
                val -= jQuery.css(elem, "border" + cssExpand[i] + "Width", true, styles);
            }
        } else {
            // at this point, extra isn't content, so add padding
            val += jQuery.css(elem, "padding" + cssExpand[i], true, styles);

            // at this point, extra isn't content nor padding, so add border
            if (extra !== "padding") {
                val += jQuery.css(elem, "border" + cssExpand[i] + "Width", true, styles);
            }
        }
    }

    return val;
}

function getWidthOrHeight(elem, name, extra) {

    // Start with offset property, which is equivalent to the border-box value
    var valueIsBorderBox = true,
        val = name === "width" ? elem.offsetWidth : elem.offsetHeight,
        styles = getStyles(elem),
        isBorderBox = jQuery.support.boxSizing && jQuery.css(elem, "boxSizing", false, styles)
            === "border-box";

    // some non-html elements return undefined for offsetWidth, so check for null/undefined
    // svg - https://bugzilla.mozilla.org/show_bug.cgi?id=649285
    // MathML - https://bugzilla.mozilla.org/show_bug.cgi?id=491668
    if (val <= 0 || val == null) {
        // Fall back to computed then uncomputed css if necessary
        val = curCSS(elem, name, styles);
        if (val < 0 || val == null) {
            val = elem.style[name];
        }

        // Computed unit is not pixels. Stop here and return.
        if (rnumnonpx.test(val)) {
            return val;
        }

        // we need the check for style in case a browser which returns unreliable values
        // for getComputedStyle silently falls back to the reliable elem.style
        valueIsBorderBox = isBorderBox && (jQuery.support.boxSizingReliable || val === elem.
            style[name]);

        // Normalize "", auto, and prepare for extra
        val = parseFloat(val) || 0;
    }

    // use the active box-sizing model to add/subtract irrelevant styles
    return (val +
        augmentWidthOrHeight(
```

```
            elem,
            name,
            extra || (isBorderBox ? "border" : "content"),
            valueIsBorderBox,
            styles
        )
    ) + "px";
}

// Try to determine the default display value of an element
function css_defaultDisplay(nodeName) {
    var doc = document,
        display = elemdisplay[nodeName];

    if (!display) {
        display = actualDisplay(nodeName, doc);

        // If the simple way fails, read from inside an iframe
        if (display === "none" || !display) {
            // Use the already-created iframe if possible
            iframe = (iframe ||
                jQuery("<iframe frameborder='0' width='0' height='0'/>")
                .css("cssText", "display:block !important")
            ).appendTo(doc.documentElement);

            // Always write a new HTML skeleton so Webkit and Firefox don't choke on reuse
            doc = (iframe[0].contentWindow || iframe[0].contentDocument).document;
            doc.write("<!doctype html><html><body>");
            doc.close();

            display = actualDisplay(nodeName, doc);
            iframe.detach();
        }

        // Store the correct default display
        elemdisplay[nodeName] = display;
    }

    return display;
}

// Called ONLY from within css_defaultDisplay
function actualDisplay(name, doc) {
    var elem = jQuery(doc.createElement(name)).appendTo(doc.body),
        display = jQuery.css(elem[0], "display");
    elem.remove();
    return display;
}

jQuery.each(["height", "width"], function(i, name) {
    jQuery.cssHooks[name] = {
        get: function(elem, computed, extra) {
            if (computed) {
                // certain elements can have dimension info if we invisibly show them
                // however, it must have a current display style that would benefit from this
                return elem.offsetWidth === 0 && rdisplayswap.test(jQuery.css(elem, "display"))
                    ?
                    jQuery.swap(elem, cssShow, function() {
                        return getWidthOrHeight(elem, name, extra);
                    }) :
                    getWidthOrHeight(elem, name, extra);
            }
        },

        set: function(elem, value, extra) {
            var styles = extra && getStyles(elem);
            return setPositiveNumber(elem, value, extra ?
                augmentWidthOrHeight(
                    elem,
                    name,
                    extra,
                    jQuery.support.boxSizing && jQuery.css(elem, "boxSizing", false, styles) ===
                        "border-box",
                    styles
                ) : 0
            );
        }
    };
});

if (!jQuery.support.opacity) {
    jQuery.cssHooks.opacity = {
        get: function(elem, computed) {
            // IE uses filters for opacity
            return ropacity.test((computed && elem.currentStyle ? elem.currentStyle.filter :
                elem.style.filter) || "") ?
                (0.01 * parseFloat(RegExp.$1)) + "" :
                computed ? "1" : "";
        },

        set: function(elem, value) {
            var style = elem.style,
```

```
                currentStyle = elem.currentStyle,
                opacity = jQuery.isNumeric(value) ? "alpha(opacity=" + value * 100 + ")" : "",
                filter = currentStyle && currentStyle.filter || style.filter || "";

            // IE has trouble with opacity if it does not have layout
            // Force it by setting the zoom level
            style.zoom = 1;

            // if setting opacity to 1, and no other filters exist - attempt to remove filter
                attribute #6652
            // if value === "", then remove inline opacity #12685
            if ((value >= 1 || value === "") &&
                jQuery.trim(filter.replace(ralpha, "")) === "" &&
                style.removeAttribute) {

                // Setting style.filter to null, "" & " " still leave "filter:" in the cssText
                // if "filter:" is present at all, clearType is disabled, we want to avoid this
                // style.removeAttribute is IE Only, but so apparently is this code path...
                style.removeAttribute("filter");

                // if there is no filter style applied in a css rule or unset inline opacity, we
                    are done
                if (value === "" || currentStyle && !currentStyle.filter) {
                    return;
                }
            }

            // otherwise, set new filter values
            style.filter = ralpha.test(filter) ?
                filter.replace(ralpha, opacity) :
                filter + " " + opacity;
        }
    };
}

// These hooks cannot be added until DOM ready because the support test
// for it is not run until after DOM ready
jQuery(function() {
    if (!jQuery.support.reliableMarginRight) {
        jQuery.cssHooks.marginRight = {
            get: function(elem, computed) {
                if (computed) {
                    // WebKit Bug 13343 - getComputedStyle returns wrong value for margin-right
                    // Work around by temporarily setting element display to inline-block
                    return jQuery.swap(elem, {
                            "display": "inline-block"
                        },
                        curCSS, [elem, "marginRight"]);
                }
            }
        };
    }

    // Webkit bug: https://bugs.webkit.org/show_bug.cgi?id=29084
    // getComputedStyle returns percent when specified for top/left/bottom/right
    // rather than make the css module depend on the offset module, we just check for it here
    if (!jQuery.support.pixelPosition && jQuery.fn.position) {
        jQuery.each(["top", "left"], function(i, prop) {
            jQuery.cssHooks[prop] = {
                get: function(elem, computed) {
                    if (computed) {
                        computed = curCSS(elem, prop);
                        // if curCSS returns percentage, fallback to offset
                        return rnumnonpx.test(computed) ?
                            jQuery(elem).position()[prop] + "px" :
                            computed;
                    }
                }
            };
        });
    }

});

if (jQuery.expr && jQuery.expr.filters) {
    jQuery.expr.filters.hidden = function(elem) {
        // Support: Opera <= 12.12
        // Opera reports offsetWidths and offsetHeights less than zero on some elements
        return elem.offsetWidth <= 0 && elem.offsetHeight <= 0 ||
            (!jQuery.support.reliableHiddenOffsets && ((elem.style && elem.style.display) ||
                jQuery.css(elem, "display")) === "none");
    };

    jQuery.expr.filters.visible = function(elem) {
        return !jQuery.expr.filters.hidden(elem);
    };
}

// These hooks are used by animate to expand properties
jQuery.each({
    margin: "",
    padding: "",
```

```
    border: "Width"
}, function(prefix, suffix) {
    jQuery.cssHooks[prefix + suffix] = {
        expand: function(value) {
            var i = 0,
                expanded = {},

                // assumes a single number if not a string
                parts = typeof value === "string" ? value.split(" ") : [value];

            for (; i < 4; i++) {
                expanded[prefix + cssExpand[i] + suffix] =
                    parts[i] || parts[i - 2] || parts[0];
            }

            return expanded;
        }
    };

    if (!rmargin.test(prefix)) {
        jQuery.cssHooks[prefix + suffix].set = setPositiveNumber;
    }
});
var r20 = /%20/g,
    rbracket = /\[\]$/,
    rCRLF = /\r?\n/g,
    rsubmitterTypes = /^(?:submit|button|image|reset|file)$/i,
    rsubmittable = /^(?:input|select|textarea|keygen)/i;

jQuery.fn.extend({
    serialize: function() {
        return jQuery.param(this.serializeArray());
    },
    serializeArray: function() {
        return this.map(function() {
                // Can add propHook for "elements" to filter or add form elements
                var elements = jQuery.prop(this, "elements");
                return elements ? jQuery.makeArray(elements) : this;
            })
            .filter(function() {
                var type = this.type;
                // Use .is(":disabled") so that fieldset[disabled] works
                return this.name && !jQuery(this).is(":disabled") &&
                    rsubmittable.test(this.nodeName) && !rsubmitterTypes.test(type) &&
                    (this.checked || !manipulation_rcheckableType.test(type));
            })
            .map(function(i, elem) {
                var val = jQuery(this).val();

                return val == null ?
                    null :
                    jQuery.isArray(val) ?
                    jQuery.map(val, function(val) {
                        return {
                            name: elem.name,
                            value: val.replace(rCRLF, "\r\n")
                        };
                    }) : {
                        name: elem.name,
                        value: val.replace(rCRLF, "\r\n")
                    };
            }).get();
    }
});

//Serialize an array of form elements or a set of
//key/values into a query string
jQuery.param = function(a, traditional) {
    var prefix,
        s = [],
        add = function(key, value) {
            // If value is a function, invoke it and return its value
            value = jQuery.isFunction(value) ? value() : (value == null ? "" : value);
            s[s.length] = encodeURIComponent(key) + "=" + encodeURIComponent(value);
        };

    // Set traditional to true for jQuery <= 1.3.2 behavior.
    if (traditional === undefined) {
        traditional = jQuery.ajaxSettings && jQuery.ajaxSettings.traditional;
    }

    // If an array was passed in, assume that it is an array of form elements.
    if (jQuery.isArray(a) || (a.jquery && !jQuery.isPlainObject(a))) {
        // Serialize the form elements
        jQuery.each(a, function() {
            add(this.name, this.value);
        });

    } else {
        // If traditional, encode the "old" way (the way 1.3.2 or older
        // did it), otherwise encode params recursively.
        for (prefix in a) {
```

```
            buildParams(prefix, a[prefix], traditional, add);
        }
    }

    // Return the resulting serialization
    return s.join("&").replace(r20, "+");
};

function buildParams(prefix, obj, traditional, add) {
    var name;

    if (jQuery.isArray(obj)) {
        // Serialize array item.
        jQuery.each(obj, function(i, v) {
            if (traditional || rbracket.test(prefix)) {
                // Treat each array item as a scalar.
                add(prefix, v);

            } else {
                // Item is non-scalar (array or object), encode its numeric index.
                buildParams(prefix + "[" + (typeof v === "object" ? i : "") + "]", v,
                    traditional, add);
            }
        });

    } else if (!traditional && jQuery.type(obj) === "object") {
        // Serialize object item.
        for (name in obj) {
            buildParams(prefix + "[" + name + "]", obj[name], traditional, add);
        }

    } else {
        // Serialize scalar item.
        add(prefix, obj);
    }
}
jQuery.each(("blur focus focusin focusout load resize scroll unload click dblclick " +
    "mousedown mouseup mousemove mouseover mouseout mouseenter mouseleave " +
    "change select submit keydown keypress keyup error contextmenu").split(" "), function(i,
        name) {

    // Handle event binding
    jQuery.fn[name] = function(data, fn) {
        return arguments.length > 0 ?
            this.on(name, null, data, fn) :
            this.trigger(name);
    };
});

jQuery.fn.extend({
    hover: function(fnOver, fnOut) {
        return this.mouseenter(fnOver).mouseleave(fnOut || fnOver);
    },

    bind: function(types, data, fn) {
        return this.on(types, null, data, fn);
    },
    unbind: function(types, fn) {
        return this.off(types, null, fn);
    },

    delegate: function(selector, types, data, fn) {
        return this.on(types, selector, data, fn);
    },
    undelegate: function(selector, types, fn) {
        // ( namespace ) or ( selector, types [, fn] )
        return arguments.length === 1 ? this.off(selector, "**") : this.off(types, selector ||
            "**", fn);
    }
});
var
// Document location
    ajaxLocParts,
    ajaxLocation,
    ajax_nonce = jQuery.now(),

    ajax_rquery = /\?/,
    rhash = /#.*$/,
    rts = /([?&])_=[^&]*/,
    rheaders = /^(.*?):[ \t]*([^\r\n]*)\r?$/mg, // IE leaves an \r character at EOL
    // #7653, #8125, #8152: local protocol detection
    rlocalProtocol = /^(?:about|app|app-storage|.+-extension|file|res|widget):$/,
    rnoContent = /^(?:GET|HEAD)$/,
    rprotocol = /^\/\//,
    rurl = /^([\w.+-]+:)(?:\/\/([^\/?#:]*)(?::(\d+)|)|)/,

    // Keep a copy of the old load method
    _load = jQuery.fn.load,

    /* Prefilters
     * 1) They are useful to introduce custom dataTypes (see ajax/jsonp.js for an example)
     * 2) These are called:
```

```
     *    - BEFORE asking for a transport
     *    - AFTER param serialization (s.data is a string if s.processData is true)
     * 3) key is the dataType
     * 4) the catchall symbol "*" can be used
     * 5) execution will start with transport dataType and THEN continue down to "*" if needed
     */
    prefilters = {},

    /* Transports bindings
     * 1) key is the dataType
     * 2) the catchall symbol "*" can be used
     * 3) selection will start with transport dataType and THEN go to "*" if needed
     */
    transports = {},

    // Avoid comment-prolog char sequence (#10098); must appease lint and evade compression
    allTypes = "*/".concat("*");

// #8138, IE may throw an exception when accessing
// a field from window.location if document.domain has been set
try {
    ajaxLocation = location.href;
} catch (e) {
    // Use the href attribute of an A element
    // since IE will modify it given document.location
    ajaxLocation = document.createElement("a");
    ajaxLocation.href = "";
    ajaxLocation = ajaxLocation.href;
}

// Segment location into parts
ajaxLocParts = rurl.exec(ajaxLocation.toLowerCase()) || [];

// Base "constructor" for jQuery.ajaxPrefilter and jQuery.ajaxTransport
function addToPrefiltersOrTransports(structure) {

    // dataTypeExpression is optional and defaults to "*"
    return function(dataTypeExpression, func) {

        if (typeof dataTypeExpression !== "string") {
            func = dataTypeExpression;
            dataTypeExpression = "*";
        }

        var dataType,
            i = 0,
            dataTypes = dataTypeExpression.toLowerCase().match(core_rnotwhite) || [];

        if (jQuery.isFunction(func)) {
            // For each dataType in the dataTypeExpression
            while ((dataType = dataTypes[i++])) {
                // Prepend if requested
                if (dataType[0] === "+") {
                    dataType = dataType.slice(1) || "*";
                    (structure[dataType] = structure[dataType] || []).unshift(func);

                    // Otherwise append
                } else {
                    (structure[dataType] = structure[dataType] || []).push(func);
                }
            }
        }
    };
}

// Base inspection function for prefilters and transports
function inspectPrefiltersOrTransports(structure, options, originalOptions, jqXHR) {

    var inspected = {},
        seekingTransport = (structure === transports);

    function inspect(dataType) {
        var selected;
        inspected[dataType] = true;
        jQuery.each(structure[dataType] || [], function(_, prefilterOrFactory) {
            var dataTypeOrTransport = prefilterOrFactory(options, originalOptions, jqXHR);
            if (typeof dataTypeOrTransport === "string" && !seekingTransport && !inspected[
                dataTypeOrTransport]) {
                options.dataTypes.unshift(dataTypeOrTransport);
                inspect(dataTypeOrTransport);
                return false;
            } else if (seekingTransport) {
                return !(selected = dataTypeOrTransport);
            }
        });
        return selected;
    }

    return inspect(options.dataTypes[0]) || !inspected["*"] && inspect("*");
}

// A special extend for ajax options
```

```
// that takes "flat" options (not to be deep extended)
// Fixes #9887
function ajaxExtend(target, src) {
    var deep, key,
        flatOptions = jQuery.ajaxSettings.flatOptions || {};

    for (key in src) {
        if (src[key] !== undefined) {
            (flatOptions[key] ? target : (deep || (deep = {})))[key] = src[key];
        }
    }
    if (deep) {
        jQuery.extend(true, target, deep);
    }

    return target;
}

jQuery.fn.load = function(url, params, callback) {
    if (typeof url !== "string" && _load) {
        return _load.apply(this, arguments);
    }

    var selector, response, type,
        self = this,
        off = url.indexOf(" ");

    if (off >= 0) {
        selector = url.slice(off, url.length);
        url = url.slice(0, off);
    }

    // If it's a function
    if (jQuery.isFunction(params)) {

        // We assume that it's the callback
        callback = params;
        params = undefined;

        // Otherwise, build a param string
    } else if (params && typeof params === "object") {
        type = "POST";
    }

    // If we have elements to modify, make the request
    if (self.length > 0) {
        jQuery.ajax({
            url: url,

            // if "type" variable is undefined, then "GET" method will be used
            type: type,
            dataType: "html",
            data: params
        }).done(function(responseText) {

            // Save response for use in complete callback
            response = arguments;

            self.html(selector ?

                // If a selector was specified, locate the right elements in a dummy div
                // Exclude scripts to avoid IE 'Permission Denied' errors
                jQuery("<div>").append(jQuery.parseHTML(responseText)).find(selector) :

                // Otherwise use the full result
                responseText);

        }).complete(callback && function(jqXHR, status) {
            self.each(callback, response || [jqXHR.responseText, status, jqXHR]);
        });
    }

    return this;
};

// Attach a bunch of functions for handling common AJAX events
jQuery.each(["ajaxStart", "ajaxStop", "ajaxComplete", "ajaxError", "ajaxSuccess", "ajaxSend"],
     function(i, type) {
    jQuery.fn[type] = function(fn) {
        return this.on(type, fn);
    };
});

jQuery.extend({

    // Counter for holding the number of active queries
    active: 0,

    // Last-Modified header cache for next request
    lastModified: {},
    etag: {},
```

```
ajaxSettings: {
    url: ajaxLocation,
    type: "GET",
    isLocal: rlocalProtocol.test(ajaxLocParts[1]),
    global: true,
    processData: true,
    async: true,
    contentType: "application/x-www-form-urlencoded; charset=UTF-8",
    /*
        timeout: 0,
        data: null,
        dataType: null,
        username: null,
        password: null,
        cache: null,
        throws: false,
        traditional: false,
        headers: {},
        */

    accepts: {
        "*": allTypes,
        text: "text/plain",
        html: "text/html",
        xml: "application/xml, text/xml",
        json: "application/json, text/javascript"
    },

    contents: {
        xml: /xml/,
        html: /html/,
        json: /json/
    },

    responseFields: {
        xml: "responseXML",
        text: "responseText",
        json: "responseJSON"
    },

    // Data converters
    // Keys separate source (or catchall "*") and destination types with a single space
    converters: {

        // Convert anything to text
        "* text": String,

        // Text to html (true = no transformation)
        "text html": true,

        // Evaluate text as a json expression
        "text json": jQuery.parseJSON,

        // Parse text as xml
        "text xml": jQuery.parseXML
    },

    // For options that shouldn't be deep extended:
    // you can add your own custom options here if
    // and when you create one that shouldn't be
    // deep extended (see ajaxExtend)
    flatOptions: {
        url: true,
        context: true
    }
},

// Creates a full fledged settings object into target
// with both ajaxSettings and settings fields.
// If target is omitted, writes into ajaxSettings.
ajaxSetup: function(target, settings) {
    return settings ?

        // Building a settings object
        ajaxExtend(ajaxExtend(target, jQuery.ajaxSettings), settings) :

        // Extending ajaxSettings
        ajaxExtend(jQuery.ajaxSettings, target);
},

ajaxPrefilter: addToPrefiltersOrTransports(prefilters),
ajaxTransport: addToPrefiltersOrTransports(transports),

// Main method
ajax: function(url, options) {

    // If url is an object, simulate pre-1.5 signature
    if (typeof url === "object") {
        options = url;
        url = undefined;
    }
```

```
// Force options to be an object
options = options || {};

var // Cross-domain detection vars
    parts,
    // Loop variable
    i,
    // URL without anti-cache param
    cacheURL,
    // Response headers as string
    responseHeadersString,
    // timeout handle
    timeoutTimer,

    // To know if global events are to be dispatched
    fireGlobals,

    transport,
    // Response headers
    responseHeaders,
    // Create the final options object
    s = jQuery.ajaxSetup({}, options),
    // Callbacks context
    callbackContext = s.context || s,
    // Context for global events is callbackContext if it is a DOM node or jQuery
        collection
    globalEventContext = s.context && (callbackContext.nodeType || callbackContext.
        jquery) ?
    jQuery(callbackContext) :
    jQuery.event,
    // Deferreds
    deferred = jQuery.Deferred(),
    completeDeferred = jQuery.Callbacks("once memory"),
    // Status-dependent callbacks
    statusCode = s.statusCode || {},
    // Headers (they are sent all at once)
    requestHeaders = {},
    requestHeadersNames = {},
    // The jqXHR state
    state = 0,
    // Default abort message
    strAbort = "canceled",
    // Fake xhr
    jqXHR = {
        readyState: 0,

        // Builds headers hashtable if needed
        getResponseHeader: function(key) {
            var match;
            if (state === 2) {
                if (!responseHeaders) {
                    responseHeaders = {};
                    while ((match = rheaders.exec(responseHeadersString))) {
                        responseHeaders[match[1].toLowerCase()] = match[2];
                    }
                }
                match = responseHeaders[key.toLowerCase()];
            }
            return match == null ? null : match;
        },


        // Raw string
        getAllResponseHeaders: function() {
            return state === 2 ? responseHeadersString : null;
        },

        // Caches the header
        setRequestHeader: function(name, value) {
            var lname = name.toLowerCase();
            if (!state) {
                name = requestHeadersNames[lname] = requestHeadersNames[lname] || name;
                requestHeaders[name] = value;
            }
            return this;
        },

        // Overrides response content-type header
        overrideMimeType: function(type) {
            if (!state) {
                s.mimeType = type;
            }
            return this;
        },

        // Status-dependent callbacks
        statusCode: function(map) {
            var code;
            if (map) {
                if (state < 2) {
                    for (code in map) {
                        // Lazy-add the new callback in a way that preserves old ones
```

```
                        statusCode[code] = [statusCode[code], map[code]];
                    }
                } else {
                    // Execute the appropriate callbacks
                    jqXHR.always(map[jqXHR.status]);
                }
            }
            return this;
        },

        // Cancel the request
        abort: function(statusText) {
            var finalText = statusText || strAbort;
            if (transport) {
                transport.abort(finalText);
            }
            done(0, finalText);
            return this;
        }
    };

// Attach deferreds
deferred.promise(jqXHR).complete = completeDeferred.add;
jqXHR.success = jqXHR.done;
jqXHR.error = jqXHR.fail;

// Remove hash character (#7531: and string promotion)
// Add protocol if not provided (#5866: IE7 issue with protocol-less urls)
// Handle falsy url in the settings object (#10093: consistency with old signature)
// We also use the url parameter if available
s.url = ((url || s.url || ajaxLocation) + "").replace(rhash, "").replace(rprotocol,
    ajaxLocParts[1] + "//");

// Alias method option to type as per ticket #12004
s.type = options.method || options.type || s.method || s.type;

// Extract dataTypes list
s.dataTypes = jQuery.trim(s.dataType || "*").toLowerCase().match(core_rnotwhite) ||
    [""];

// A cross-domain request is in order when we have a protocol:host:port mismatch
if (s.crossDomain == null) {
    parts = rurl.exec(s.url.toLowerCase());
    s.crossDomain = !!(parts &&
        (parts[1] !== ajaxLocParts[1] || parts[2] !== ajaxLocParts[2] ||
            (parts[3] || (parts[1] === "http:" ? "80" : "443")) !==
            (ajaxLocParts[3] || (ajaxLocParts[1] === "http:" ? "80" : "443")))
    );
}

// Convert data if not already a string
if (s.data && s.processData && typeof s.data !== "string") {
    s.data = jQuery.param(s.data, s.traditional);
}

// Apply prefilters
inspectPrefiltersOrTransports(prefilters, s, options, jqXHR);

// If request was aborted inside a prefilter, stop there
if (state === 2) {
    return jqXHR;
}

// We can fire global events as of now if asked to
fireGlobals = s.global;

// Watch for a new set of requests
if (fireGlobals && jQuery.active++ === 0) {
    jQuery.event.trigger("ajaxStart");
}

// Uppercase the type
s.type = s.type.toUpperCase();

// Determine if request has content
s.hasContent = !rnoContent.test(s.type);

// Save the URL in case we're toying with the If-Modified-Since
// and/or If-None-Match header later on
cacheURL = s.url;

// More options handling for requests with no content
if (!s.hasContent) {

    // If data is available, append data to url
    if (s.data) {
        cacheURL = (s.url += (ajax_rquery.test(cacheURL) ? "&" : "?") + s.data);
        // #9682: remove data so that it's not used in an eventual retry
        delete s.data;
    }

    // Add anti-cache in url if needed
```

```
    if (s.cache === false) {
        s.url = rts.test(cacheURL) ?

            // If there is already a '_' parameter, set its value
            cacheURL.replace(rts, "$1_=" + ajax_nonce++) :

            // Otherwise add one to the end
            cacheURL + (ajax_rquery.test(cacheURL) ? "&" : "?") + "_=" + ajax_nonce++;
    }
}

// Set the If-Modified-Since and/or If-None-Match header, if in ifModified mode.
if (s.ifModified) {
    if (jQuery.lastModified[cacheURL]) {
        jqXHR.setRequestHeader("If-Modified-Since", jQuery.lastModified[cacheURL]);
    }
    if (jQuery.etag[cacheURL]) {
        jqXHR.setRequestHeader("If-None-Match", jQuery.etag[cacheURL]);
    }
}

// Set the correct header, if data is being sent
if (s.data && s.hasContent && s.contentType !== false || options.contentType) {
    jqXHR.setRequestHeader("Content-Type", s.contentType);
}

// Set the Accepts header for the server, depending on the dataType
jqXHR.setRequestHeader(
    "Accept",
    s.dataTypes[0] && s.accepts[s.dataTypes[0]] ?
    s.accepts[s.dataTypes[0]] + (s.dataTypes[0] !== "*" ? ", " + allTypes + "; q=0.01" :
        "") :
    s.accepts["*"]
);

// Check for headers option
for (i in s.headers) {
    jqXHR.setRequestHeader(i, s.headers[i]);
}

// Allow custom headers/mimetypes and early abort
if (s.beforeSend && (s.beforeSend.call(callbackContext, jqXHR, s) === false || state ===
      2)) {
    // Abort if not done already and return
    return jqXHR.abort();
}

// aborting is no longer a cancellation
strAbort = "abort";

// Install callbacks on deferreds
for (i in {
        success: 1,
        error: 1,
        complete: 1
    }) {
    jqXHR[i](s[i]);
}

// Get transport
transport = inspectPrefiltersOrTransports(transports, s, options, jqXHR);

// If no transport, we auto-abort
if (!transport) {
    done(-1, "No Transport");
} else {
    jqXHR.readyState = 1;

    // Send global event
    if (fireGlobals) {
        globalEventContext.trigger("ajaxSend", [jqXHR, s]);
    }
    // Timeout
    if (s.async && s.timeout > 0) {
        timeoutTimer = setTimeout(function() {
            jqXHR.abort("timeout");
        }, s.timeout);
    }

    try {
        state = 1;
        transport.send(requestHeaders, done);
    } catch (e) {
        // Propagate exception as error if not done
        if (state < 2) {
            done(-1, e);
            // Simply rethrow otherwise
        } else {
            throw e;
        }
    }
}
```

```
// Callback for when everything is done
function done(status, nativeStatusText, responses, headers) {
    var isSuccess, success, error, response, modified,
        statusText = nativeStatusText;

    // Called once
    if (state === 2) {
        return;
    }

    // State is "done" now
    state = 2;

    // Clear timeout if it exists
    if (timeoutTimer) {
        clearTimeout(timeoutTimer);
    }

    // Dereference transport for early garbage collection
    // (no matter how long the jqXHR object will be used)
    transport = undefined;

    // Cache response headers
    responseHeadersString = headers || "";

    // Set readyState
    jqXHR.readyState = status > 0 ? 4 : 0;

    // Determine if successful
    isSuccess = status >= 200 && status < 300 || status === 304;

    // Get response data
    if (responses) {
        response = ajaxHandleResponses(s, jqXHR, responses);
    }

    // Convert no matter what (that way responseXXX fields are always set)
    response = ajaxConvert(s, response, jqXHR, isSuccess);

    // If successful, handle type chaining
    if (isSuccess) {

        // Set the If-Modified-Since and/or If-None-Match header, if in ifModified mode.
        if (s.ifModified) {
            modified = jqXHR.getResponseHeader("Last-Modified");
            if (modified) {
                jQuery.lastModified[cacheURL] = modified;
            }
            modified = jqXHR.getResponseHeader("etag");
            if (modified) {
                jQuery.etag[cacheURL] = modified;
            }
        }

        // if no content
        if (status === 204 || s.type === "HEAD") {
            statusText = "nocontent";

            // if not modified
        } else if (status === 304) {
            statusText = "notmodified";

            // If we have data, let's convert it
        } else {
            statusText = response.state;
            success = response.data;
            error = response.error;
            isSuccess = !error;
        }
    } else {
        // We extract error from statusText
        // then normalize statusText and status for non-aborts
        error = statusText;
        if (status || !statusText) {
            statusText = "error";
            if (status < 0) {
                status = 0;
            }
        }
    }

    // Set data for the fake xhr object
    jqXHR.status = status;
    jqXHR.statusText = (nativeStatusText || statusText) + "";

    // Success/Error
    if (isSuccess) {
        deferred.resolveWith(callbackContext, [success, statusText, jqXHR]);
    } else {
        deferred.rejectWith(callbackContext, [jqXHR, statusText, error]);
    }
```

```
            // Status-dependent callbacks
            jqXHR.statusCode(statusCode);
            statusCode = undefined;

            if (fireGlobals) {
                globalEventContext.trigger(isSuccess ? "ajaxSuccess" : "ajaxError", [jqXHR, s,
                    isSuccess ? success : error]);
            }

            // Complete
            completeDeferred.fireWith(callbackContext, [jqXHR, statusText]);

            if (fireGlobals) {
                globalEventContext.trigger("ajaxComplete", [jqXHR, s]);
                // Handle the global AJAX counter
                if (!(--jQuery.active)) {
                    jQuery.event.trigger("ajaxStop");
                }
            }
        }

        return jqXHR;
    },

    getJSON: function(url, data, callback) {
        return jQuery.get(url, data, callback, "json");
    },

    getScript: function(url, callback) {
        return jQuery.get(url, undefined, callback, "script");
    }
});

jQuery.each(["get", "post"], function(i, method) {
    jQuery[method] = function(url, data, callback, type) {
        // shift arguments if data argument was omitted
        if (jQuery.isFunction(data)) {
            type = type || callback;
            callback = data;
            data = undefined;
        }

        return jQuery.ajax({
            url: url,
            type: method,
            dataType: type,
            data: data,
            success: callback
        });
    };
});

/* Handles responses to an ajax request:
 * - finds the right dataType (mediates between content-type and expected dataType)
 * - returns the corresponding response
 */
function ajaxHandleResponses(s, jqXHR, responses) {
    var firstDataType, ct, finalDataType, type,
        contents = s.contents,
        dataTypes = s.dataTypes;

    // Remove auto dataType and get content-type in the process
    while (dataTypes[0] === "*") {
        dataTypes.shift();
        if (ct === undefined) {
            ct = s.mimeType || jqXHR.getResponseHeader("Content-Type");
        }
    }

    // Check if we're dealing with a known content-type
    if (ct) {
        for (type in contents) {
            if (contents[type] && contents[type].test(ct)) {
                dataTypes.unshift(type);
                break;
            }
        }
    }

    // Check to see if we have a response for the expected dataType
    if (dataTypes[0] in responses) {
        finalDataType = dataTypes[0];
    } else {
        // Try convertible dataTypes
        for (type in responses) {
            if (!dataTypes[0] || s.converters[type + " " + dataTypes[0]]) {
                finalDataType = type;
                break;
            }
            if (!firstDataType) {
                firstDataType = type;
```

```
            }
        }
        // Or just use first one
        finalDataType = finalDataType || firstDataType;
    }

    // If we found a dataType
    // We add the dataType to the list if needed
    // and return the corresponding response
    if (finalDataType) {
        if (finalDataType !== dataTypes[0]) {
            dataTypes.unshift(finalDataType);
        }
        return responses[finalDataType];
    }
}

/* Chain conversions given the request and the original response
 * Also sets the responseXXX fields on the jqXHR instance
 */
function ajaxConvert(s, response, jqXHR, isSuccess) {
        var conv2, current, conv, tmp, prev,
            converters = {},
            // Work with a copy of dataTypes in case we need to modify it for conversion
            dataTypes = s.dataTypes.slice();

        // Create converters map with lowercased keys
        if (dataTypes[1]) {
            for (conv in s.converters) {
                converters[conv.toLowerCase()] = s.converters[conv];
            }
        }

        current = dataTypes.shift();

        // Convert to each sequential dataType
        while (current) {

            if (s.responseFields[current]) {
                jqXHR[s.responseFields[current]] = response;
            }

            // Apply the dataFilter if provided
            if (!prev && isSuccess && s.dataFilter) {
                response = s.dataFilter(response, s.dataType);
            }

            prev = current;
            current = dataTypes.shift();

            if (current) {

                // There's only work to do if current dataType is non-auto
                if (current === "*") {

                    current = prev;

                    // Convert response if prev dataType is non-auto and differs from current
                } else if (prev !== "*" && prev !== current) {

                    // Seek a direct converter
                    conv = converters[prev + " " + current] || converters["* " + current];

                    // If none found, seek a pair
                    if (!conv) {
                        for (conv2 in converters) {

                            // If conv2 outputs current
                            tmp = conv2.split(" ");
                            if (tmp[1] === current) {

                                // If prev can be converted to accepted input
                                conv = converters[prev + " " + tmp[0]] ||
                                    converters["* " + tmp[0]];
                                if (conv) {
                                    // Condense equivalence converters
                                    if (conv === true) {
                                        conv = converters[conv2];

                                        // Otherwise, insert the intermediate dataType
                                    } else if (converters[conv2] !== true) {
                                        current = tmp[0];
                                        dataTypes.unshift(tmp[1]);
                                    }
                                    break;
                                }
                            }
                        }
                    }

                    // Apply converter (if not an equivalence)
                    if (conv !== true) {
```

```
                        // Unless errors are allowed to bubble, catch and return them
                        if (conv && s["throws"]) {
                            response = conv(response);
                        } else {
                            try {
                                response = conv(response);
                            } catch (e) {
                                return {
                                    state: "parsererror",
                                    error: conv ? e : "No conversion from " + prev + " to " +
                                        current
                                };
                            }
                        }
                    }
                }
            }
        }

        return {
            state: "success",
            data: response
        };
    }
    // Install script dataType
jQuery.ajaxSetup({
    accepts: {
        script: "text/javascript, application/javascript, application/ecmascript, application/x-
            ecmascript"
    },
    contents: {
        script: /(?:java|ecma)script/
    },
    converters: {
        "text script": function(text) {
            jQuery.globalEval(text);
            return text;
        }
    }
});

// Handle cache's special case and global
jQuery.ajaxPrefilter("script", function(s) {
    if (s.cache === undefined) {
        s.cache = false;
    }
    if (s.crossDomain) {
        s.type = "GET";
        s.global = false;
    }
});

// Bind script tag hack transport
jQuery.ajaxTransport("script", function(s) {

    // This transport only deals with cross domain requests
    if (s.crossDomain) {

        var script,
            head = document.head || jQuery("head")[0] || document.documentElement;

        return {

            send: function(_, callback) {

                script = document.createElement("script");

                script.async = true;

                if (s.scriptCharset) {
                    script.charset = s.scriptCharset;
                }

                script.src = s.url;

                // Attach handlers for all browsers
                script.onload = script.onreadystatechange = function(_, isAbort) {

                    if (isAbort || !script.readyState || /loaded|complete/.test(script.
                        readyState)) {

                        // Handle memory leak in IE
                        script.onload = script.onreadystatechange = null;

                        // Remove the script
                        if (script.parentNode) {
                            script.parentNode.removeChild(script);
                        }

                        // Dereference the script
                        script = null;
```

```
                        // Callback if not abort
                        if (!isAbort) {
                            callback(200, "success");
                        }
                    }
                };

                // Circumvent IE6 bugs with base elements (#2709 and #4378) by prepending
                // Use native DOM manipulation to avoid our domManip AJAX trickery
                head.insertBefore(script, head.firstChild);
            },

            abort: function() {
                if (script) {
                    script.onload(undefined, true);
                }
            }
        };
    }
});
var oldCallbacks = [],
    rjsonp = /(=)\?(?=&|$)|\?\?/;

// Default jsonp settings
jQuery.ajaxSetup({
    jsonp: "callback",
    jsonpCallback: function() {
        var callback = oldCallbacks.pop() || (jQuery.expando + "_" + (ajax_nonce++));
        this[callback] = true;
        return callback;
    }
});

// Detect, normalize options and install callbacks for jsonp requests
jQuery.ajaxPrefilter("json jsonp", function(s, originalSettings, jqXHR) {

    var callbackName, overwritten, responseContainer,
        jsonProp = s.jsonp !== false && (rjsonp.test(s.url) ?
            "url" :
            typeof s.data === "string" && !(s.contentType || "").indexOf("application/x-www-form
                -urlencoded") && rjsonp.test(s.data) && "data"
        );

    // Handle iff the expected data type is "jsonp" or we have a parameter to set
    if (jsonProp || s.dataTypes[0] === "jsonp") {

        // Get callback name, remembering preexisting value associated with it
        callbackName = s.jsonpCallback = jQuery.isFunction(s.jsonpCallback) ?
            s.jsonpCallback() :
            s.jsonpCallback;

        // Insert callback into url or form data
        if (jsonProp) {
            s[jsonProp] = s[jsonProp].replace(rjsonp, "$1" + callbackName);
        } else if (s.jsonp !== false) {
            s.url += (ajax_rquery.test(s.url) ? "&" : "?") + s.jsonp + "=" + callbackName;
        }

        // Use data converter to retrieve json after script execution
        s.converters["script json"] = function() {
            if (!responseContainer) {
                jQuery.error(callbackName + " was not called");
            }
            return responseContainer[0];
        };

        // force json dataType
        s.dataTypes[0] = "json";

        // Install callback
        overwritten = window[callbackName];
        window[callbackName] = function() {
            responseContainer = arguments;
        };

        // Clean-up function (fires after converters)
        jqXHR.always(function() {
            // Restore preexisting value
            window[callbackName] = overwritten;

            // Save back as free
            if (s[callbackName]) {
                // make sure that re-using the options doesn't screw things around
                s.jsonpCallback = originalSettings.jsonpCallback;

                // save the callback name for future use
                oldCallbacks.push(callbackName);
            }

            // Call if it was a function and we have a response
            if (responseContainer && jQuery.isFunction(overwritten)) {
```

```
                overwritten(responseContainer[0]);
            }

            responseContainer = overwritten = undefined;
        });

        // Delegate to script
        return "script";
    }
});
var xhrCallbacks, xhrSupported,
    xhrId = 0,
    // #5280: Internet Explorer will keep connections alive if we don't abort on unload
    xhrOnUnloadAbort = window.ActiveXObject && function() {
        // Abort all pending requests
        var key;
        for (key in xhrCallbacks) {
            xhrCallbacks[key](undefined, true);
        }
    };

// Functions to create xhrs
function createStandardXHR() {
    try {
        return new window.XMLHttpRequest();
    } catch (e) {}
}

function createActiveXHR() {
    try {
        return new window.ActiveXObject("Microsoft.XMLHTTP");
    } catch (e) {}
}

// Create the request object
// (This is still attached to ajaxSettings for backward compatibility)
jQuery.ajaxSettings.xhr = window.ActiveXObject ?
    /* Microsoft failed to properly
     * implement the XMLHttpRequest in IE7 (can't request local files),
     * so we use the ActiveXObject when it is available
     * Additionally XMLHttpRequest can be disabled in IE7/IE8 so
     * we need a fallback.
     */
    function() {
        return !this.isLocal && createStandardXHR() || createActiveXHR();
    } :
    // For all other browsers, use the standard XMLHttpRequest object
    createStandardXHR;

// Determine support properties
xhrSupported = jQuery.ajaxSettings.xhr();
jQuery.support.cors = !!xhrSupported && ("withCredentials" in xhrSupported);
xhrSupported = jQuery.support.ajax = !!xhrSupported;

// Create transport if the browser can provide an xhr
if (xhrSupported) {

    jQuery.ajaxTransport(function(s) {
        // Cross domain only allowed if supported through XMLHttpRequest
        if (!s.crossDomain || jQuery.support.cors) {

            var callback;

            return {
                send: function(headers, complete) {

                    // Get a new xhr
                    var handle, i,
                        xhr = s.xhr();

                    // Open the socket
                    // Passing null username, generates a login popup on Opera (#2865)
                    if (s.username) {
                        xhr.open(s.type, s.url, s.async, s.username, s.password);
                    } else {
                        xhr.open(s.type, s.url, s.async);
                    }

                    // Apply custom fields if provided
                    if (s.xhrFields) {
                        for (i in s.xhrFields) {
                            xhr[i] = s.xhrFields[i];
                        }
                    }

                    // Override mime type if needed
                    if (s.mimeType && xhr.overrideMimeType) {
                        xhr.overrideMimeType(s.mimeType);
                    }

                    // X-Requested-With header
                    // For cross-domain requests, seeing as conditions for a preflight are
```

```
// akin to a jigsaw puzzle, we simply never set it to be sure.
// (it can always be set on a per-request basis or even using ajaxSetup)
// For same-domain requests, won't change header if already provided.
if (!s.crossDomain && !headers["X-Requested-With"]) {
    headers["X-Requested-With"] = "XMLHttpRequest";
}

// Need an extra try/catch for cross domain requests in Firefox 3
try {
    for (i in headers) {
        xhr.setRequestHeader(i, headers[i]);
    }
} catch (err) {}

// Do send the request
// This may raise an exception which is actually
// handled in jQuery.ajax (so no try/catch here)
xhr.send((s.hasContent && s.data) || null);

// Listener
callback = function(_, isAbort) {
    var status, responseHeaders, statusText, responses;

    // Firefox throws exceptions when accessing properties
    // of an xhr when a network error occurred
    // http://helpful.knobs-dials.com/index.php/
        Component_returned_failure_code:_0x80040111_(NS_ERROR_NOT_AVAILABLE
        )
    try {

        // Was never called and is aborted or complete
        if (callback && (isAbort || xhr.readyState === 4)) {

            // Only called once
            callback = undefined;

            // Do not keep as active anymore
            if (handle) {
                xhr.onreadystatechange = jQuery.noop;
                if (xhrOnUnloadAbort) {
                    delete xhrCallbacks[handle];
                }
            }

            // If it's an abort
            if (isAbort) {
                // Abort it manually if needed
                if (xhr.readyState !== 4) {
                    xhr.abort();
                }
            } else {
                responses = {};
                status = xhr.status;
                responseHeaders = xhr.getAllResponseHeaders();

                // When requesting binary data, IE6-9 will throw an
                    exception
                // on any attempt to access responseText (#11426)
                if (typeof xhr.responseText === "string") {
                    responses.text = xhr.responseText;
                }

                // Firefox throws an exception when accessing
                // statusText for faulty cross-domain requests
                try {
                    statusText = xhr.statusText;
                } catch (e) {
                    // We normalize with Webkit giving an empty statusText
                    statusText = "";
                }

                // Filter status for non standard behaviors

                // If the request is local and we have data: assume a
                    success
                // (success with no data won't get notified, that's the best
                    we
                // can do given current implementations)
                if (!status && s.isLocal && !s.crossDomain) {
                    status = responses.text ? 200 : 404;
                    // IE - #1450: sometimes returns 1223 when it should be
                        204
                } else if (status === 1223) {
                    status = 204;
                }
            }
        }
    } catch (firefoxAccessException) {
        if (!isAbort) {
            complete(-1, firefoxAccessException);
        }
    }
```

```
                        // Call complete if needed
                        if (responses) {
                            complete(status, statusText, responses, responseHeaders);
                        }
                    };

                    if (!s.async) {
                        // if we're in sync mode we fire the callback
                        callback();
                    } else if (xhr.readyState === 4) {
                        // (IE6 & IE7) if it's in cache and has been
                        // retrieved directly we need to fire the callback
                        setTimeout(callback);
                    } else {
                        handle = ++xhrId;
                        if (xhrOnUnloadAbort) {
                            // Create the active xhrs callbacks list if needed
                            // and attach the unload handler
                            if (!xhrCallbacks) {
                                xhrCallbacks = {};
                                jQuery(window).unload(xhrOnUnloadAbort);
                            }
                            // Add to list of active xhrs callbacks
                            xhrCallbacks[handle] = callback;
                        }
                        xhr.onreadystatechange = callback;
                    }
                },

                abort: function() {
                    if (callback) {
                        callback(undefined, true);
                    }
                }
            };
        }
    });
}
var fxNow, timerId,
    rfxtypes = /^(?:toggle|show|hide)$/,
    rfxnum = new RegExp("^(?:([+-])=|)(" + core_pnum + ")([a-z%]*)$", "i"),
    rrun = /queueHooks$/,
    animationPrefilters = [defaultPrefilter],
    tweeners = {
        "*": [function(prop, value) {
            var tween = this.createTween(prop, value),
                target = tween.cur(),
                parts = rfxnum.exec(value),
                unit = parts && parts[3] || (jQuery.cssNumber[prop] ? "" : "px"),

                // Starting value computation is required for potential unit mismatches
                start = (jQuery.cssNumber[prop] || unit !== "px" && +target) &&
                rfxnum.exec(jQuery.css(tween.elem, prop)),
                scale = 1,
                maxIterations = 20;

            if (start && start[3] !== unit) {
                // Trust units reported by jQuery.css
                unit = unit || start[3];

                // Make sure we update the tween properties later on
                parts = parts || [];

                // Iteratively approximate from a nonzero starting point
                start = +target || 1;

                do {
                    // If previous iteration zeroed out, double until we get *something*
                    // Use a string for doubling factor so we don't accidentally see scale as
                        unchanged below
                    scale = scale || ".5";

                    // Adjust and apply
                    start = start / scale;
                    jQuery.style(tween.elem, prop, start + unit);

                    // Update scale, tolerating zero or NaN from tween.cur()
                    // And breaking the loop if scale is unchanged or perfect, or if we've just
                        had enough
                } while (scale !== (scale = tween.cur() / target) && scale !== 1 && --
                    maxIterations);
            }

            // Update tween properties
            if (parts) {
                start = tween.start = +start || +target || 0;
                tween.unit = unit;
                // If a +=/-= token was provided, we're doing a relative animation
                tween.end = parts[1] ?
                    start + (parts[1] + 1) * parts[2] :
                    +parts[2];
```

```
            }

            return tween;
        }]
    };

// Animations created synchronously will run synchronously
function createFxNow() {
    setTimeout(function() {
        fxNow = undefined;
    });
    return (fxNow = jQuery.now());
}

function createTween(value, prop, animation) {
    var tween,
        collection = (tweeners[prop] || []).concat(tweeners["*"]),
        index = 0,
        length = collection.length;
    for (; index < length; index++) {
        if ((tween = collection[index].call(animation, prop, value))) {

            // we're done with this property
            return tween;
        }
    }
}

function Animation(elem, properties, options) {
    var result,
        stopped,
        index = 0,
        length = animationPrefilters.length,
        deferred = jQuery.Deferred().always(function() {
            // don't match elem in the :animated selector
            delete tick.elem;
        }),
        tick = function() {
            if (stopped) {
                return false;
            }
            var currentTime = fxNow || createFxNow(),
                remaining = Math.max(0, animation.startTime + animation.duration - currentTime),
                // archaic crash bug won't allow us to use 1 - ( 0.5 || 0 ) (#12497)
                temp = remaining / animation.duration || 0,
                percent = 1 - temp,
                index = 0,
                length = animation.tweens.length;

            for (; index < length; index++) {
                animation.tweens[index].run(percent);
            }

            deferred.notifyWith(elem, [animation, percent, remaining]);

            if (percent < 1 && length) {
                return remaining;
            } else {
                deferred.resolveWith(elem, [animation]);
                return false;
            }
        },
        animation = deferred.promise({
            elem: elem,
            props: jQuery.extend({}, properties),
            opts: jQuery.extend(true, {
                specialEasing: {}
            }, options),

            originalProperties: properties,
            originalOptions: options,
            startTime: fxNow || createFxNow(),
            duration: options.duration,
            tweens: [],
            createTween: function(prop, end) {
                var tween = jQuery.Tween(elem, animation.opts, prop, end,
                    animation.opts.specialEasing[prop] || animation.opts.easing);
                animation.tweens.push(tween);
                return tween;
            },
            stop: function(gotoEnd) {
                var index = 0,
                    // if we are going to the end, we want to run all the tweens
                    // otherwise we skip this part
                    length = gotoEnd ? animation.tweens.length : 0;
                if (stopped) {
                    return this;
                }
                stopped = true;
                for (; index < length; index++) {
                    animation.tweens[index].run(1);
```

```
                }

                // resolve when we played the last frame
                // otherwise, reject
                if (gotoEnd) {
                    deferred.resolveWith(elem, [animation, gotoEnd]);
                } else {
                    deferred.rejectWith(elem, [animation, gotoEnd]);
                }
                return this;
            }
        }),
        props = animation.props;

    propFilter(props, animation.opts.specialEasing);

    for (; index < length; index++) {
        result = animationPrefilters[index].call(animation, elem, props, animation.opts);
        if (result) {
            return result;
        }
    }

    jQuery.map(props, createTween, animation);

    if (jQuery.isFunction(animation.opts.start)) {
        animation.opts.start.call(elem, animation);
    }

    jQuery.fx.timer(
        jQuery.extend(tick, {
            elem: elem,
            anim: animation,
            queue: animation.opts.queue
        })
    );

    // attach callbacks from options
    return animation.progress(animation.opts.progress)
        .done(animation.opts.done, animation.opts.complete)
        .fail(animation.opts.fail)
        .always(animation.opts.always);
}

function propFilter(props, specialEasing) {
    var index, name, easing, value, hooks;

    // camelCase, specialEasing and expand cssHook pass
    for (index in props) {
        name = jQuery.camelCase(index);
        easing = specialEasing[name];
        value = props[index];
        if (jQuery.isArray(value)) {
            easing = value[1];
            value = props[index] = value[0];
        }

        if (index !== name) {
            props[name] = value;
            delete props[index];
        }

        hooks = jQuery.cssHooks[name];
        if (hooks && "expand" in hooks) {
            value = hooks.expand(value);
            delete props[name];

            // not quite $.extend, this wont overwrite keys already present.
            // also - reusing 'index' from above because we have the correct "name"
            for (index in value) {
                if (!(index in props)) {
                    props[index] = value[index];
                    specialEasing[index] = easing;
                }
            }
        } else {
            specialEasing[name] = easing;
        }
    }
}

jQuery.Animation = jQuery.extend(Animation, {

    tweener: function(props, callback) {
        if (jQuery.isFunction(props)) {
            callback = props;
            props = ["*"];
        } else {
            props = props.split(" ");
        }

        var prop,
```

```
            index = 0,
            length = props.length;

        for (; index < length; index++) {
            prop = props[index];
            tweeners[prop] = tweeners[prop] || [];
            tweeners[prop].unshift(callback);
        }
    },

    prefilter: function(callback, prepend) {
        if (prepend) {
            animationPrefilters.unshift(callback);
        } else {
            animationPrefilters.push(callback);
        }
    }
});

function defaultPrefilter(elem, props, opts) {
    /* jshint validthis: true */
    var prop, value, toggle, tween, hooks, oldfire,
        anim = this,
        orig = {},
        style = elem.style,
        hidden = elem.nodeType && isHidden(elem),
        dataShow = jQuery._data(elem, "fxshow");

    // handle queue: false promises
    if (!opts.queue) {
        hooks = jQuery._queueHooks(elem, "fx");
        if (hooks.unqueued == null) {
            hooks.unqueued = 0;
            oldfire = hooks.empty.fire;
            hooks.empty.fire = function() {
                if (!hooks.unqueued) {
                    oldfire();
                }
            };
        }
        hooks.unqueued++;

        anim.always(function() {
            // doing this makes sure that the complete handler will be called
            // before this completes
            anim.always(function() {
                hooks.unqueued--;
                if (!jQuery.queue(elem, "fx").length) {
                    hooks.empty.fire();
                }
            });
        });
    }

    // height/width overflow pass
    if (elem.nodeType === 1 && ("height" in props || "width" in props)) {
        // Make sure that nothing sneaks out
        // Record all 3 overflow attributes because IE does not
        // change the overflow attribute when overflowX and
        // overflowY are set to the same value
        opts.overflow = [style.overflow, style.overflowX, style.overflowY];

        // Set display property to inline-block for height/width
        // animations on inline elements that are having width/height animated
        if (jQuery.css(elem, "display") === "inline" &&
            jQuery.css(elem, "float") === "none") {

            // inline-level elements accept inline-block;
            // block-level elements need to be inline with layout
            if (!jQuery.support.inlineBlockNeedsLayout || css_defaultDisplay(elem.nodeName) ===
                "inline") {
                style.display = "inline-block";

            } else {
                style.zoom = 1;
            }
        }
    }

    if (opts.overflow) {
        style.overflow = "hidden";
        if (!jQuery.support.shrinkWrapBlocks) {
            anim.always(function() {
                style.overflow = opts.overflow[0];
                style.overflowX = opts.overflow[1];
                style.overflowY = opts.overflow[2];
            });
        }
    }


    // show/hide pass
```

```
    for (prop in props) {
        value = props[prop];
        if (rfxtypes.exec(value)) {
            delete props[prop];
            toggle = toggle || value === "toggle";
            if (value === (hidden ? "hide" : "show")) {
                continue;
            }
            orig[prop] = dataShow && dataShow[prop] || jQuery.style(elem, prop);
        }
    }

    if (!jQuery.isEmptyObject(orig)) {
        if (dataShow) {
            if ("hidden" in dataShow) {
                hidden = dataShow.hidden;
            }
        } else {
            dataShow = jQuery._data(elem, "fxshow", {});
        }

        // store state if its toggle - enables .stop().toggle() to "reverse"
        if (toggle) {
            dataShow.hidden = !hidden;
        }
        if (hidden) {
            jQuery(elem).show();
        } else {
            anim.done(function() {
                jQuery(elem).hide();
            });
        }
        anim.done(function() {
            var prop;
            jQuery._removeData(elem, "fxshow");
            for (prop in orig) {
                jQuery.style(elem, prop, orig[prop]);
            }
        });
        for (prop in orig) {
            tween = createTween(hidden ? dataShow[prop] : 0, prop, anim);

            if (!(prop in dataShow)) {
                dataShow[prop] = tween.start;
                if (hidden) {
                    tween.end = tween.start;
                    tween.start = prop === "width" || prop === "height" ? 1 : 0;
                }
            }
        }
    }
}

function Tween(elem, options, prop, end, easing) {
    return new Tween.prototype.init(elem, options, prop, end, easing);
}
jQuery.Tween = Tween;

Tween.prototype = {
    constructor: Tween,
    init: function(elem, options, prop, end, easing, unit) {
        this.elem = elem;
        this.prop = prop;
        this.easing = easing || "swing";
        this.options = options;
        this.start = this.now = this.cur();
        this.end = end;
        this.unit = unit || (jQuery.cssNumber[prop] ? "" : "px");
    },
    cur: function() {
        var hooks = Tween.propHooks[this.prop];

        return hooks && hooks.get ?
            hooks.get(this) :
            Tween.propHooks._default.get(this);
    },
    run: function(percent) {
        var eased,
            hooks = Tween.propHooks[this.prop];

        if (this.options.duration) {
            this.pos = eased = jQuery.easing[this.easing](
                percent, this.options.duration * percent, 0, 1, this.options.duration
            );
        } else {
            this.pos = eased = percent;
        }
        this.now = (this.end - this.start) * eased + this.start;

        if (this.options.step) {
            this.options.step.call(this.elem, this.now, this);
        }
```

```
        if (hooks && hooks.set) {
            hooks.set(this);
        } else {
            Tween.propHooks._default.set(this);
        }
        return this;
    }
};

Tween.prototype.init.prototype = Tween.prototype;

Tween.propHooks = {
    _default: {
        get: function(tween) {
            var result;

            if (tween.elem[tween.prop] != null &&
                (!tween.elem.style || tween.elem.style[tween.prop] == null)) {
                return tween.elem[tween.prop];
            }

            // passing an empty string as a 3rd parameter to .css will automatically
            // attempt a parseFloat and fallback to a string if the parse fails
            // so, simple values such as "10px" are parsed to Float.
            // complex values such as "rotate(1rad)" are returned as is.
            result = jQuery.css(tween.elem, tween.prop, "");
            // Empty strings, null, undefined and "auto" are converted to 0.
            return !result || result === "auto" ? 0 : result;
        },
        set: function(tween) {
            // use step hook for back compat - use cssHook if its there - use .style if its
            // available and use plain properties where available
            if (jQuery.fx.step[tween.prop]) {
                jQuery.fx.step[tween.prop](tween);
            } else if (tween.elem.style && (tween.elem.style[jQuery.cssProps[tween.prop]] !=
                 null || jQuery.cssHooks[tween.prop])) {
                jQuery.style(tween.elem, tween.prop, tween.now + tween.unit);
            } else {
                tween.elem[tween.prop] = tween.now;
            }
        }
    }
};

// Support: IE <=9
// Panic based approach to setting things on disconnected nodes

Tween.propHooks.scrollTop = Tween.propHooks.scrollLeft = {
    set: function(tween) {
        if (tween.elem.nodeType && tween.elem.parentNode) {
            tween.elem[tween.prop] = tween.now;
        }
    }
};

jQuery.each(["toggle", "show", "hide"], function(i, name) {
    var cssFn = jQuery.fn[name];
    jQuery.fn[name] = function(speed, easing, callback) {
        return speed == null || typeof speed === "boolean" ?
            cssFn.apply(this, arguments) :
            this.animate(genFx(name, true), speed, easing, callback);
    };
});

jQuery.fn.extend({
    fadeTo: function(speed, to, easing, callback) {

        // show any hidden elements after setting opacity to 0
        return this.filter(isHidden).css("opacity", 0).show()

        // animate to the value specified
        .end().animate({
            opacity: to
        }, speed, easing, callback);
    },
    animate: function(prop, speed, easing, callback) {
        var empty = jQuery.isEmptyObject(prop),
            optall = jQuery.speed(speed, easing, callback),
            doAnimation = function() {
                // Operate on a copy of prop so per-property easing won't be lost
                var anim = Animation(this, jQuery.extend({}, prop), optall);

                // Empty animations, or finishing resolves immediately
                if (empty || jQuery._data(this, "finish")) {
                    anim.stop(true);
                }
            };
        doAnimation.finish = doAnimation;

        return empty || optall.queue === false ?
            this.each(doAnimation) :
```

```
        this.queue(optall.queue, doAnimation);
},
stop: function(type, clearQueue, gotoEnd) {
    var stopQueue = function(hooks) {
        var stop = hooks.stop;
        delete hooks.stop;
        stop(gotoEnd);
    };

    if (typeof type !== "string") {
        gotoEnd = clearQueue;
        clearQueue = type;
        type = undefined;
    }
    if (clearQueue && type !== false) {
        this.queue(type || "fx", []);
    }

    return this.each(function() {
        var dequeue = true,
            index = type != null && type + "queueHooks",
            timers = jQuery.timers,
            data = jQuery._data(this);

        if (index) {
            if (data[index] && data[index].stop) {
                stopQueue(data[index]);
            }
        } else {
            for (index in data) {
                if (data[index] && data[index].stop && rrun.test(index)) {
                    stopQueue(data[index]);
                }
            }
        }

        for (index = timers.length; index--;) {
            if (timers[index].elem === this && (type == null || timers[index].queue === type
                )) {
                timers[index].anim.stop(gotoEnd);
                dequeue = false;
                timers.splice(index, 1);
            }
        }

        // start the next in the queue if the last step wasn't forced
        // timers currently will call their complete callbacks, which will dequeue
        // but only if they were gotoEnd
        if (dequeue || !gotoEnd) {
            jQuery.dequeue(this, type);
        }
    });
},
finish: function(type) {
    if (type !== false) {
        type = type || "fx";
    }
    return this.each(function() {
        var index,
            data = jQuery._data(this),
            queue = data[type + "queue"],
            hooks = data[type + "queueHooks"],
            timers = jQuery.timers,
            length = queue ? queue.length : 0;

        // enable finishing flag on private data
        data.finish = true;

        // empty the queue first
        jQuery.queue(this, type, []);

        if (hooks && hooks.stop) {
            hooks.stop.call(this, true);
        }

        // look for any active animations, and finish them
        for (index = timers.length; index--;) {
            if (timers[index].elem === this && timers[index].queue === type) {
                timers[index].anim.stop(true);
                timers.splice(index, 1);
            }
        }

        // look for any animations in the old queue and finish them
        for (index = 0; index < length; index++) {
            if (queue[index] && queue[index].finish) {
                queue[index].finish.call(this);
            }
        }

        // turn off finishing flag
        delete data.finish;
```

```
        });
    }
});

// Generate parameters to create a standard animation
function genFx(type, includeWidth) {
    var which,
        attrs = {
            height: type
        },
        i = 0;

    // if we include width, step value is 1 to do all cssExpand values,
    // if we don't include width, step value is 2 to skip over Left and Right
    includeWidth = includeWidth ? 1 : 0;
    for (; i < 4; i += 2 - includeWidth) {
        which = cssExpand[i];
        attrs["margin" + which] = attrs["padding" + which] = type;
    }

    if (includeWidth) {
        attrs.opacity = attrs.width = type;
    }

    return attrs;
}

// Generate shortcuts for custom animations
jQuery.each({
    slideDown: genFx("show"),
    slideUp: genFx("hide"),
    slideToggle: genFx("toggle"),
    fadeIn: {
        opacity: "show"
    },
    fadeOut: {
        opacity: "hide"
    },
    fadeToggle: {
        opacity: "toggle"
    }
}, function(name, props) {
    jQuery.fn[name] = function(speed, easing, callback) {
        return this.animate(props, speed, easing, callback);
    };
});

jQuery.speed = function(speed, easing, fn) {
    var opt = speed && typeof speed === "object" ? jQuery.extend({}, speed) : {
        complete: fn || !fn && easing ||
            jQuery.isFunction(speed) && speed,
        duration: speed,
        easing: fn && easing || easing && !jQuery.isFunction(easing) && easing
    };

    opt.duration = jQuery.fx.off ? 0 : typeof opt.duration === "number" ? opt.duration :
        opt.duration in jQuery.fx.speeds ? jQuery.fx.speeds[opt.duration] : jQuery.fx.speeds.
            _default;

    // normalize opt.queue - true/undefined/null -> "fx"
    if (opt.queue == null || opt.queue === true) {
        opt.queue = "fx";
    }

    // Queueing
    opt.old = opt.complete;

    opt.complete = function() {
        if (jQuery.isFunction(opt.old)) {
            opt.old.call(this);
        }

        if (opt.queue) {
            jQuery.dequeue(this, opt.queue);
        }
    };

    return opt;
};

jQuery.easing = {
    linear: function(p) {
        return p;
    },
    swing: function(p) {
        return 0.5 - Math.cos(p * Math.PI) / 2;
    }
};

jQuery.timers = [];
jQuery.fx = Tween.prototype.init;
jQuery.fx.tick = function() {
```

```
    var timer,
        timers = jQuery.timers,
        i = 0;

    fxNow = jQuery.now();

    for ( ; i < timers.length; i++ ) {
        timer = timers[ i ];
        // Checks the timer has not already been removed
        if ( !timer() && timers[ i ] === timer ) {
            timers.splice( i--, 1 );
        }
    }

    if ( !timers.length ) {
        jQuery.fx.stop();
    }
    fxNow = undefined;
};

jQuery.fx.timer = function( timer ) {
    if ( timer() && jQuery.timers.push( timer ) ) {
        jQuery.fx.start();
    }
};

jQuery.fx.interval = 13;

jQuery.fx.start = function() {
    if ( !timerId ) {
        timerId = setInterval( jQuery.fx.tick, jQuery.fx.interval );
    }
};

jQuery.fx.stop = function() {
    clearInterval( timerId );
    timerId = null;
};

jQuery.fx.speeds = {
    slow: 600,
    fast: 200,
    // Default speed
    _default: 400
};

// Back Compat <1.8 extension point
jQuery.fx.step = {};

if ( jQuery.expr && jQuery.expr.filters ) {
    jQuery.expr.filters.animated = function( elem ) {
        return jQuery.grep(jQuery.timers, function( fn ) {
            return elem === fn.elem;
        }).length;
    };
}
jQuery.fn.offset = function( options ) {
    if ( arguments.length ) {
        return options === undefined ?
            this :
            this.each(function( i ) {
                jQuery.offset.setOffset( this, options, i );
            });
    }

    var docElem, win,
        box = {
            top: 0,
            left: 0
        },
        elem = this[ 0 ],
        doc = elem && elem.ownerDocument;

    if ( !doc ) {
        return;
    }

    docElem = doc.documentElement;

    // Make sure it's not a disconnected DOM node
    if ( !jQuery.contains( docElem, elem ) ) {
        return box;
    }

    // If we don't have gBCR, just use 0,0 rather than error
    // BlackBerry 5, iOS 3 (original iPhone)
    if ( typeof elem.getBoundingClientRect !== core_strundefined ) {
        box = elem.getBoundingClientRect();
    }
    win = getWindow( doc );
    return {
        top: box.top + ( win.pageYOffset || docElem.scrollTop ) - ( docElem.clientTop || 0 ),
```

```
            left: box.left + (win.pageXOffset || docElem.scrollLeft) - (docElem.clientLeft || 0)
        };
};

jQuery.offset = {

    setOffset: function(elem, options, i) {
        var position = jQuery.css(elem, "position");

        // set position first, in-case top/left are set even on static elem
        if (position === "static") {
            elem.style.position = "relative";
        }

        var curElem = jQuery(elem),
            curOffset = curElem.offset(),
            curCSSTop = jQuery.css(elem, "top"),
            curCSSLeft = jQuery.css(elem, "left"),
            calculatePosition = (position === "absolute" || position === "fixed") && jQuery.
                inArray("auto", [curCSSTop, curCSSLeft]) > -1,
            props = {},
            curPosition = {},
            curTop, curLeft;

        // need to be able to calculate position if either top or left is auto and position is
             either absolute or fixed
        if (calculatePosition) {
            curPosition = curElem.position();
            curTop = curPosition.top;
            curLeft = curPosition.left;
        } else {
            curTop = parseFloat(curCSSTop) || 0;
            curLeft = parseFloat(curCSSLeft) || 0;
        }

        if (jQuery.isFunction(options)) {
            options = options.call(elem, i, curOffset);
        }

        if (options.top != null) {
            props.top = (options.top - curOffset.top) + curTop;
        }
        if (options.left != null) {
            props.left = (options.left - curOffset.left) + curLeft;
        }

        if ("using" in options) {
            options.using.call(elem, props);
        } else {
            curElem.css(props);
        }
    }
};


jQuery.fn.extend({

    position: function() {
        if (!this[0]) {
            return;
        }

        var offsetParent, offset,
            parentOffset = {
                top: 0,
                left: 0
            },
            elem = this[0];

        // fixed elements are offset from window (parentOffset = {top:0, left: 0}, because it is
              it's only offset parent
        if (jQuery.css(elem, "position") === "fixed") {
            // we assume that getBoundingClientRect is available when computed position is fixed
            offset = elem.getBoundingClientRect();
        } else {
            // Get *real* offsetParent
            offsetParent = this.offsetParent();

            // Get correct offsets
            offset = this.offset();
            if (!jQuery.nodeName(offsetParent[0], "html")) {
                parentOffset = offsetParent.offset();
            }

            // Add offsetParent borders
            parentOffset.top += jQuery.css(offsetParent[0], "borderTopWidth", true);
            parentOffset.left += jQuery.css(offsetParent[0], "borderLeftWidth", true);
        }

        // Subtract parent offsets and element margins
        // note: when an element has margin: auto the offsetLeft and marginLeft
        // are the same in Safari causing offset.left to incorrectly be 0
```

```
            return {
                top: offset.top - parentOffset.top - jQuery.css(elem, "marginTop", true),
                left: offset.left - parentOffset.left - jQuery.css(elem, "marginLeft", true)
            };
        },

        offsetParent: function() {
            return this.map(function() {
                var offsetParent = this.offsetParent || docElem;
                while (offsetParent && (!jQuery.nodeName(offsetParent, "html") && jQuery.css(
                     offsetParent, "position") === "static")) {
                    offsetParent = offsetParent.offsetParent;
                }
                return offsetParent || docElem;
            });
        }
    });


    // Create scrollLeft and scrollTop methods
    jQuery.each({
        scrollLeft: "pageXOffset",
        scrollTop: "pageYOffset"
    }, function(method, prop) {
        var top = /Y/.test(prop);

        jQuery.fn[method] = function(val) {
            return jQuery.access(this, function(elem, method, val) {
                var win = getWindow(elem);

                if (val === undefined) {
                    return win ? (prop in win) ? win[prop] :
                        win.document.documentElement[method] :
                        elem[method];
                }

                if (win) {
                    win.scrollTo(!top ? val : jQuery(win).scrollLeft(),
                        top ? val : jQuery(win).scrollTop()
                    );

                } else {
                    elem[method] = val;
                }
            }, method, val, arguments.length, null);
        };
    });

    function getWindow(elem) {
            return jQuery.isWindow(elem) ?
                elem :
                elem.nodeType === 9 ?
                elem.defaultView || elem.parentWindow :
                false;
        }
        // Create innerHeight, innerWidth, height, width, outerHeight and outerWidth methods
    jQuery.each({
        Height: "height",
        Width: "width"
    }, function(name, type) {
        jQuery.each({
            padding: "inner" + name,
            content: type,
            "": "outer" + name
        }, function(defaultExtra, funcName) {
            // margin is only for outerHeight, outerWidth
            jQuery.fn[funcName] = function(margin, value) {
                var chainable = arguments.length && (defaultExtra || typeof margin !== "boolean"),
                    extra = defaultExtra || (margin === true || value === true ? "margin" : "border
                         ");

                return jQuery.access(this, function(elem, type, value) {
                    var doc;

                    if (jQuery.isWindow(elem)) {
                        // As of 5/8/2012 this will yield incorrect results for Mobile Safari, but
                             there
                        // isn't a whole lot we can do. See pull request at this URL for discussion:
                        // https://github.com/jquery/jquery/pull/764
                        return elem.document.documentElement["client" + name];
                    }

                    // Get document width or height
                    if (elem.nodeType === 9) {
                        doc = elem.documentElement;

                        // Either scroll[Width/Height] or offset[Width/Height] or client[Width/
                             Height], whichever is greatest
                        // unfortunately, this causes bug #3838 in IE6/8 only, but there is
                             currently no good, small way to fix it.
                        return Math.max(
                            elem.body["scroll" + name], doc["scroll" + name],
```

```
                                elem.body["offset" + name], doc["offset" + name],
                                doc["client" + name]
                            );
                        }

                        return value === undefined ?
                            // Get width or height on the element, requesting but not forcing parseFloat
                            jQuery.css(elem, type, extra) :

                            // Set width or height on the element
                            jQuery.style(elem, type, value, extra);
                    }, type, chainable ? margin : undefined, chainable, null);
                };
            });
        });
        // Limit scope pollution from any deprecated API
        // (function() {

        // The number of elements contained in the matched element set
        jQuery.fn.size = function() {
            return this.length;
        };

        jQuery.fn.andSelf = jQuery.fn.addBack;

        // })();
        if (typeof module === "object" && module && typeof module.exports === "object") {
            // Expose jQuery as module.exports in loaders that implement the Node
            // module pattern (including browserify). Do not create the global, since
            // the user will be storing it themselves locally, and globals are frowned
            // upon in the Node module world.
            module.exports = jQuery;
        } else {
            // Otherwise expose jQuery to the global object as usual
            window.jQuery = window.$ = jQuery;

            // Register as a named AMD module, since jQuery can be concatenated with other
            // files that may use define, but not via a proper concatenation script that
            // understands anonymous AMD modules. A named AMD is safest and most robust
            // way to register. Lowercase jquery is used because AMD module names are
            // derived from file names, and jQuery is normally delivered in a lowercase
            // file name. Do this after creating the global so that if an AMD module wants
            // to call noConflict to hide this version of jQuery, it will work.
            if (typeof define === "function" && define.amd) {
                define("jquery", [], function() {
                    return jQuery;
                });
            }
        }

    })(window);
```

3. jomres_plus/templates/admin_application.html

```
<patTemplate:tmpl name="pageoutput" >
<br/>
<table width="100%">
        <tr>
                <td >
                        {HEADER}
                </td>
        </tr>
        <tr class="ui-widget-content ui-corner-all">
                <td>
                        <div id="jomres_auction_house_content_body">
                                {CONTENT}
                        </div>
                </td>
        </tr>
        <tr>
                <td>
                        {FOOTER}
                </td>
        </tr>
</table>

<br/>
</patTemplate:tmpl>
```

4. jomres_plus/templates/admin_application_ajax.html

```
<patTemplate:tmpl name="pageoutput" >
{CONTENT}
</patTemplate:tmpl>
```

5. jomres_plus/templates/admin_application_export.html

```
<patTemplate:tmpl name="pageoutput" >
                {HELLO}
                <a href="{LINKTO_YOUTUBE}" > {YOUTUBE_TEXT} </a>
</patTemplate:tmpl>
```

6. jomres_plus/templates/admin_application_foot.html

```
<patTemplate:tmpl name="pageoutput" >
<br/>
<div class="ui-tabs-nav ui-helper-reset ui-helper-clearfix ui-widget-header ui-corner-all dropdown">
<div id="jomres_auction_house_content_footer">
        <patTemplate:tmpl name="rows">
                <a href = "{LINK}">{LINK_TEXT}</a>  
        </patTemplate:tmpl>
</div>
</div>
</patTemplate:tmpl>
```

7. jomres_plus/templates/admin_application_head.html

```
<patTemplate:tmpl name="pageoutput" >
<style>
/*
        LEVEL ONE
*/
ul.dropdown                                             { position: relative; margin:0; padding:0;
     list-style:none;z-index:100; }
ul.dropdown li                                  { font-weight: bold; float: left; zoom: 1; }
ul.dropdown a:hover                             { color: #000; }
ul.dropdown a:active                    { color: #ffa500; }
ul.dropdown li a                                { display: block; padding: 4px 8px; border-right: 1
     px solid #333; color: #222;outline: 0; }
ul.dropdown li:last-child a             { border-right: none; } /* Doesn't work in IE */
ul.dropdown li.hover,
ul.dropdown li:hover                    { color: black; position: relative; }
ul.dropdown li.hover a                  { color: black; }

/*
        LEVEL TWO
*/
ul.dropdown ul                                          { width: 220px; visibility: hidden; position
     : absolute; top: 100%; left: 0; margin:0; padding:0; list-style:none;}
ul.dropdown ul li                                       { float: none; }

                                                                /* IE 6 & 7 Needs Inline
                                                                    Block */
ul.dropdown ul li a                                     { border-right: none; width: 100%; display:
     inline-block;outline: 0; }
</style>


<script type="text/javascript">
var ajaxurl = "{AJAXURL}";
var livesite = "{LIVESITE}";

jomresJquery(document).ready(function () {jomresJquery("ul.dropdown li:even").addClass("alt");
});

jomresJquery(function(){
        jomresJquery("ul.dropdown li").hover(function(){
                jomresJquery(this).addClass("hover");
                jomresJquery('ul:first',this).css('visibility', 'visible');
        }, function(){
                jomresJquery(this).removeClass("hover");
                jomresJquery('ul:first',this).css('visibility', 'hidden');
        });
        jomresJquery("ul.dropdown li ul li:has(ul)").find("a:first").append(" &raquo; ");
});

function auction_page(ahtask,fields,div_to_update)
        {
        send_string = '&ahtask='+ ahtask;
        if ('undefined'!=typeof(fields))
                {
                jomresJquery(fields).each(function(index) {
                        field_value = jomresJquery("#"+fields[index]).val();
                        if (field_value == "")
                                field_value = jomresJquery("#"+fields[index]).html();
                        send_string=send_string+"&"+fields[index]+"="+field_value;
                        });
                }
        jomresJquery.get(ajaxurl+send_string,{},
                function(data){
                        // We'll break data down into three patches of code, first any js that needs
                              to be run, then we'll populate the content div and sidebar div
                        var result = data.split("^");

                        if ('undefined'!=typeof(div_to_update))
                                populateDiv(div_to_update,result[1]);
                        else
```

```
                                populateDiv("jomres_auction_house_content_body",result[1]);

                        runthis(result[0]);
                        }
                );
        }

function runthis(tobeevald)
        {
        var result = eval(tobeevald);
        }

function auction_update_rooms_list()
        {
        var start_date = jomresJquery("#auction_booking_start").val();
        var departure_date = jomresJquery("#auction_booking_end").val();
        var property_uid = jomresJquery("#chosen_property").val();
        jomresJquery.get(ajaxurl+"&ahtask=get_rooms_list&start_date="+start_date+"&departure_date="+
             departure_date+"&property_uid="+property_uid,{},
                function(data){
                        var result = data.split("^");
                        populateDiv("rooms_list",result[1]);
                        runthis(result[0]);
                        }
                );
        }



jomresJquery(document).ready(function()
        {
        var req = function ()
                {
                var auction_id = jomresJquery("#auction_id").val();
                if ('undefined'!=typeof(auction_id)){
                        jomresJquery.ajax({
                                url : ajaxurl+"&ahtask=checkbid&auction_id="+auction_id,
                                success : function (data)
                                        {
                                        var result = data.split("^");

                                        if (jomresJquery.trim(result[1]) == "1")
                                                {
                                                var reload = jomresJquery("#reload").val();
                                                if (reload == 1)
                                                        window.location.href=livesite+'&ahtask=
                                                             auction_view_auction&auction_id='+
                                                             auction_id+'&reload=1';
                                                else
                                                        {
                                                        populateDiv('timeremaining',result[2]);
                                                        setTimeout(function ()
                                                                {
                                                                req();
                                                                }
                                                                , 2000);
                                                        }
                                                }
                                        else
                                                {
                                                populateDiv('timeremaining',result[2]);
                                                setTimeout(function ()
                                                        {
                                                        req();
                                                        }
                                                        , 2000);
                                                }
                                        }
                                });
                        }
                };
        req();
        });


//jomresJquery.jheartbeat.set
//      ({
//      var auction_id = jomresJquery("#auction_id").val();
//      url: ajaxurl+"&ahtask=heartbeat&auction_id="+auction_id,
//      delay: 1000,
//      div_id : "timeremaining"
//      });


</script>


<ul class="ui-tabs-nav ui-helper-reset ui-helper-clearfix ui-widget-content ui-corner-all dropdown">
        <patTemplate:tmpl name="everybody_rows_title" requiredVars="title">
        <li><a href="{HOMELINK}">{TITLE}</a>
        <ul class="ui-tabs-nav ui-helper-reset ui-helper-clearfix ui-widget-content ui-corner-all
             sub_menu">
```

```
        <patTemplate:tmpl name="everybody_rows" requiredVars="link">
                        <li><a href="{LINK}" {JAVASCRIPT}>{MENUOPTION}</a></li>
                </patTemplate:tmpl>
                </ul>
        </li>
        </patTemplate:tmpl>

        <patTemplate:tmpl name="buyer_rows_title" type="simpleCondition"  requiredVars="title">
        <li><a href="{HOMELINK}">{TITLE}</a>
        <ul class="ui-tabs-nav ui-helper-reset ui-helper-clearfix ui-widget-content ui-corner-all
             sub_menu">
        <patTemplate:tmpl name="buyer_rows" requiredVars="link">
                        <li><a href="{LINK}" {JAVASCRIPT}>{MENUOPTION}</a></li>
                </patTemplate:tmpl>
                </ul>
        </li>
        </patTemplate:tmpl>

        <patTemplate:tmpl name="seller_rows_title" type="simpleCondition" requiredVars="title">
        <li><a href="{HOMELINK}">{TITLE}</a>
        <ul class="ui-tabs-nav ui-helper-reset ui-helper-clearfix ui-widget-content ui-corner-all
             sub_menu">
        <patTemplate:tmpl name="seller_rows" requiredVars="link">
                        <li><a href="{LINK}" {JAVASCRIPT}>{MENUOPTION}</a></li>
                </patTemplate:tmpl>
                </ul>
        </li>
        </patTemplate:tmpl>
</ul>

</patTemplate:tmpl>
```

8. jomres_plus/templates/admin_application_head.html

```
<patTemplate:tmpl name="pageoutput" >
<style>
/*
        LEVEL ONE
*/
ul.dropdown                                                 { position: relative; margin:0; padding:0;
     list-style:none;z-index:100; }
ul.dropdown li                                          { font-weight: bold; float: left; zoom: 1; }
ul.dropdown a:hover                                     { color: #000; }
ul.dropdown a:active                            { color: #ffa500; }
ul.dropdown li a                                        { display: block; padding: 4px 8px; border-right: 1
     px solid #333; color: #222;outline: 0; }
ul.dropdown li:last-child a                     { border-right: none; } /* Doesn't work in IE */
ul.dropdown li.hover,
ul.dropdown li:hover                            { color: black; position: relative; }
ul.dropdown li.hover a                          { color: black; }

/*
        LEVEL TWO
*/
ul.dropdown ul                                              { width: 220px; visibility: hidden; position
     : absolute; top: 100%; left: 0; margin:0; padding:0; list-style:none;}
ul.dropdown ul li                                           { float: none; }

                                                                        /* IE 6 & 7 Needs Inline
                                                                            Block */
ul.dropdown ul li a                                         { border-right: none; width: 100%; display:
     inline-block;outline: 0; }
</style>


<script type="text/javascript">
var ajaxurl = "{AJAXURL}";
var livesite = "{LIVESITE}";

jomresJquery(document).ready(function () {jomresJquery("ul.dropdown li:even").addClass("alt");
});

jomresJquery(function(){
        jomresJquery("ul.dropdown li").hover(function(){
                jomresJquery(this).addClass("hover");
                jomresJquery('ul:first',this).css('visibility', 'visible');
        }, function(){
                jomresJquery(this).removeClass("hover");
                jomresJquery('ul:first',this).css('visibility', 'hidden');
        });
        jomresJquery("ul.dropdown li ul li:has(ul)").find("a:first").append(" &raquo; ");
});

function auction_page(ahtask,fields,div_to_update)
        {
        send_string = '&ahtask='+ ahtask;
        if ('undefined'!=typeof(fields))
                {
                jomresJquery(fields).each(function(index) {
                        field_value = jomresJquery("#"+fields[index]).val();
                        if (field_value == "")
```

```
                                field_value = jomresJquery("#"+fields[index]).html();
                        send_string=send_string+"&"+fields[index]+"="+field_value;
                        });
                }
        jomresJquery.get(ajaxurl+send_string,{},
                function(data){
                        // We'll break data down into three patches of code, first any js that needs
                             to be run, then we'll populate the content div and sidebar div
                        var result = data.split("^");

                        if ('undefined'!=typeof(div_to_update))
                                populateDiv(div_to_update,result[1]);
                        else
                                populateDiv("jomres_auction_house_content_body",result[1]);

                        runthis(result[0]);
                        }
                );
        }

function runthis(tobeevald)
        {
        var result = eval(tobeevald);
        }

function auction_update_rooms_list()
        {
        var start_date = jomresJquery("#auction_booking_start").val();
        var departure_date = jomresJquery("#auction_booking_end").val();
        var property_uid = jomresJquery("#chosen_property").val();
        jomresJquery.get(ajaxurl+"&ahtask=get_rooms_list&start_date="+start_date+"&departure_date="+
             departure_date+"&property_uid="+property_uid,{},
                function(data){
                        var result = data.split("^");
                        populateDiv("rooms_list",result[1]);
                        runthis(result[0]);
                        }
                );
        }



jomresJquery(document).ready(function()
        {
        var req = function ()
                {
                var auction_id = jomresJquery("#auction_id").val();
                if ('undefined'!=typeof(auction_id)){
                        jomresJquery.ajax({
                                url : ajaxurl+"&ahtask=checkbid&auction_id="+auction_id,
                                success : function (data)
                                        {
                                        var result = data.split("^");

                                        if (jomresJquery.trim(result[1]) == "1")
                                                {
                                                var reload = jomresJquery("#reload").val();
                                                if (reload == 1)
                                                        window.location.href=livesite+'&ahtask=
                                                             auction_view_auction&auction_id='+
                                                             auction_id+'&reload=1';
                                                else
                                                        {
                                                        populateDiv('timeremaining',result[2]);
                                                        setTimeout(function ()
                                                                {
                                                                req();
                                                                }
                                                                , 2000);
                                                        }
                                                }
                                        else
                                                {
                                                populateDiv('timeremaining',result[2]);
                                                setTimeout(function ()
                                                        {
                                                        req();
                                                        }
                                                        , 2000);
                                                }
                                        }
                                });
                        }
                };
        req();
        });


//jomresJquery.jheartbeat.set
//      ({
//      var auction_id = jomresJquery("#auction_id").val();
//      url: ajaxurl+"&ahtask=heartbeat&auction_id="+auction_id,
```

```
//       delay: 1000,
//       div_id : "timeremaining"
//       });


</script>


<ul class="ui-tabs-nav ui-helper-reset ui-helper-clearfix ui-widget-content ui-corner-all dropdown">
        <patTemplate:tmpl name="everybody_rows_title" requiredVars="title">
        <li><a href="{HOMELINK}">{TITLE}</a>
        <ul class="ui-tabs-nav ui-helper-reset ui-helper-clearfix ui-widget-content ui-corner-all
             sub_menu">
        <patTemplate:tmpl name="everybody_rows" requiredVars="link">
                        <li><a href="{LINK}" {JAVASCRIPT}>{MENUOPTION}</a></li>
                </patTemplate:tmpl>
                </ul>
        </li>
        </patTemplate:tmpl>

        <patTemplate:tmpl name="buyer_rows_title" type="simpleCondition"  requiredVars="title">
        <li><a href="{HOMELINK}">{TITLE}</a>
        <ul class="ui-tabs-nav ui-helper-reset ui-helper-clearfix ui-widget-content ui-corner-all
             sub_menu">
        <patTemplate:tmpl name="buyer_rows" requiredVars="link">
                        <li><a href="{LINK}" {JAVASCRIPT}>{MENUOPTION}</a></li>
                </patTemplate:tmpl>
                </ul>
        </li>
        </patTemplate:tmpl>

        <patTemplate:tmpl name="seller_rows_title" type="simpleCondition" requiredVars="title">
        <li><a href="{HOMELINK}">{TITLE}</a>
        <ul class="ui-tabs-nav ui-helper-reset ui-helper-clearfix ui-widget-content ui-corner-all
             sub_menu">
        <patTemplate:tmpl name="seller_rows" requiredVars="link">
                        <li><a href="{LINK}" {JAVASCRIPT}>{MENUOPTION}</a></li>
                </patTemplate:tmpl>
                </ul>
        </li>
        </patTemplate:tmpl>
</ul>

</patTemplate:tmpl>
```

9. jomres_plus/templates/admin_application_youtube.html

```
<patTemplate:tmpl name="pageoutput" >
                {HELLO}
</patTemplate:tmpl>
```

10. jomres_plus/templates/admin_cancel_unpaid.html

```
<patTemplate:tmpl name="pageoutput" unusedvars="nbsp">
<h2>{CANCEL_UNPAID}</h2>
{CU_INSTRUCTIONS}
<form action="{LINKTO_CANCEL_UNPAID}" method="post">
<table class="ui-widget-content ui-corner-all" width="100%" border="0">
    <tr>
        <td>{CU_DAYS1}{SELECTED} </td>
        <td>{DAYS}
                        {CU_DAYS2}</td>
        </tr>
        <tr>
                <td> <input type="submit" value="{SEND_CU_EMAIL}">
        </tr>
</table>

</form>
</patTemplate:tmpl>
```

11. jomres_plus/templates/admin_cancel_unpaid_sent.html

```
<patTemplate:tmpl name="pageoutput" >
        {CONFIRM} <br>
</patTemplate:tmpl>
```

12. jomres_plus/templates/admin_export.html

```
<patTemplate:tmpl name="pageoutput" unusedvars="nbsp">

  <script src="//code.jquery.com/jquery-1.10.2.js"></script>
  <script src="//code.jquery.com/ui/1.11.4/jquery-ui.js"></script>
  <link rel="stylesheet" href="/resources/demos/style.css">
  <script>
  $(function() {
    $( "#from" ).datepicker({
      defaultDate: "+1w",
```

```
      changeMonth: true,
      numberOfMonths: 3,
      onClose: function( selectedDate ) {
        $( "#to" ).datepicker( "option", "minDate", selectedDate );
      }
    });
    $( "#to" ).datepicker({
      defaultDate: "+1w",
      changeMonth: true,
      numberOfMonths: 3,
      onClose: function( selectedDate ) {
        $( "#from" ).datepicker( "option", "maxDate", selectedDate );
      }
    });
  });
  </script>

        <form action="{LINKTO_EXPORT}" method="post">
                <h1>{EXPORT_CSV}</h1>
                <div>
                        {EXPORT_TEXT} {EXPORT_CSV_DATA} <br>
                        <!-- insert EXPORT button here !-->
                </div>
                <label for="from">from</label>
                <input type="text" id="from" name="from">
                <label for="to">to</label>
                <input type="text" id="to" name="to">


                <input type="submit" value="{EXPORT_TEXT}">
        </form>


</patTemplate:tmpl>
```

13. jomres_plus/templates/admin_payment_reminder.html

```
<patTemplate:tmpl name="pageoutput" unusedvars="nbsp">
<h2>{PAYMENT_REMINDER}</h2>
{PR_INSTRUCTIONS}
<form action="{LINKTO_PAYMENT_REMINDER}" method="post">
<table class="ui-widget-content ui-corner-all" width="100%" border="0">
    <tr>
        <td>{PR_DAYS1}{SELECTED} </td>
        <td>{DAYS}
                        {PR_DAYS2}</td>
        </tr>
        <tr>
                <td> <input type="submit" value="{SEND_PR_EMAIL}">
        </tr>
</table>
</form>
</patTemplate:tmpl>
```

14. jomres_plus/templates/admin_payment_reminder_sent.html

```
<patTemplate:tmpl name="pageoutput" >
        {CONFIRM} <br>
</patTemplate:tmpl>
```

15. jomres_plus/templates/admin_review_reminder.html

```
<patTemplate:tmpl name="pageoutput" unusedvars="nbsp">
<h2>{REVIEW_REMINDER}</h2>
{RR_INSTRUCTIONS}
<form action="{LINKTO_REVIEW_REMINDER}" method="post">
<table class="ui-widget-content ui-corner-all" width="100%" border="0">
    <tr>
        <td>{RR_DAYS1}{SELECTED} </td>
        <td>{DAYS}
                        {RR_DAYS2}</td>
        </tr>
        <tr>
                <td> <input type="submit" value="{SEND_RR_EMAIL}">
        </tr>
</table>
</patTemplate:tmpl>
```

16. jomres_plus/templates/admin_review_reminder_sent.html

```
<patTemplate:tmpl name="pageoutput" >
        {CONFIRM} <br>
</patTemplate:tmpl>
```

17. jomres_plus/templates/application.html

```
<patTemplate:tmpl name="pageoutput" >
<br/>
<table width="100%">
        <tr>
                <td >
                        {HEADER}
                </td>
        </tr>
        <tr class="ui-widget-content ui-corner-all">
                <td>
                        <div id="jomres_auction_house_content_body">
                                {CONTENT}
                        </div>
                </td>
        </tr>
        <tr>
                <td>
                        {FOOTER}
                </td>
        </tr>
</table>
<br/>
</patTemplate:tmpl>
```

18. jomres_plus/templates/application_ajax.html

```
<patTemplate:tmpl name="pageoutput" >
{CONTENT}
</patTemplate:tmpl>
```

19. jomres_plus/templates/application_foot.html

```
<patTemplate:tmpl name="pageoutput" >
<br/>
<div class="ui-tabs-nav ui-helper-reset ui-helper-clearfix ui-widget-header ui-corner-all dropdown">
<div id="jomres_auction_house_content_footer">
        <patTemplate:tmpl name="rows">
                <a href = "{LINK}">{LINK_TEXT}</a>  
        </patTemplate:tmpl>
</div>
</div>
</patTemplate:tmpl>
```

20. jomres_plus/templates/application_head.html

```
<patTemplate:tmpl name="pageoutput" >
<style>
/*
        LEVEL ONE
*/
ul.dropdown                                             { position: relative; margin:0; padding:0;
     list-style:none;z-index:100; }
ul.dropdown li                                  { font-weight: bold; float: left; zoom: 1; }
ul.dropdown a:hover                             { color: #000; }
ul.dropdown a:active                    { color: #ffa500; }
ul.dropdown li a                                { display: block; padding: 4px 8px; border-right: 1
     px solid #333; color: #222;outline: 0; }
ul.dropdown li:last-child a             { border-right: none; } /* Doesn't work in IE */
ul.dropdown li.hover,
ul.dropdown li:hover                    { color: black; position: relative; }
ul.dropdown li.hover a                  { color: black; }

/*
        LEVEL TWO
*/
ul.dropdown ul                                          { width: 220px; visibility: hidden; position
     : absolute; top: 100%; left: 0; margin:0; padding:0; list-style:none;}
ul.dropdown ul li                                       { float: none; }

                                                                /* IE 6 & 7 Needs Inline
                                                                   Block */
ul.dropdown ul li a                                     { border-right: none; width: 100%; display:
     inline-block;outline: 0; }
</style>


<script type="text/javascript">
var ajaxurl = "{AJAXURL}";
var livesite = "{LIVESITE}";

jomresJquery(document).ready(function () {jomresJquery("ul.dropdown li:even").addClass("alt");
});

jomresJquery(function(){
        jomresJquery("ul.dropdown li").hover(function(){
                jomresJquery(this).addClass("hover");
                jomresJquery('ul:first',this).css('visibility', 'visible');
        }, function(){
                jomresJquery(this).removeClass("hover");
```

```
                jomresJquery('ul:first',this).css('visibility', 'hidden');
        });
        jomresJquery("ul.dropdown li ul li:has(ul)").find("a:first").append(" &raquo; ");
});

function auction_page(ahtask,fields,div_to_update)
        {
        send_string = '&ahtask='+ ahtask;
        if ('undefined'!=typeof(fields))
                {
                jomresJquery(fields).each(function(index) {
                        field_value = jomresJquery("#"+fields[index]).val();
                        if (field_value == "")
                                field_value = jomresJquery("#"+fields[index]).html();
                        send_string=send_string+"&"+fields[index]+"="+field_value;
                        });
                }
        jomresJquery.get(ajaxurl+send_string,{},
                function(data){
                        // We'll break data down into three patches of code, first any js that needs
                              to be run, then we'll populate the content div and sidebar div
                        var result = data.split("^");

                        if ('undefined'!=typeof(div_to_update))
                                populateDiv(div_to_update,result[1]);
                        else
                                populateDiv("jomres_auction_house_content_body",result[1]);

                        runthis(result[0]);
                        }
                );
        }

function runthis(tobeevald)
        {
        var result = eval(tobeevald);
        }

function auction_update_rooms_list()
        {
        var start_date = jomresJquery("#auction_booking_start").val();
        var departure_date = jomresJquery("#auction_booking_end").val();
        var property_uid = jomresJquery("#chosen_property").val();
        jomresJquery.get(ajaxurl+"&ahtask=get_rooms_list&start_date="+start_date+"&departure_date="+
             departure_date+"&property_uid="+property_uid,{},
                function(data){
                        var result = data.split("^");
                        populateDiv("rooms_list",result[1]);
                        runthis(result[0]);
                        }
                );
        }



jomresJquery(document).ready(function()
        {
        var req = function ()
                {
                var auction_id = jomresJquery("#auction_id").val();
                if ('undefined'!=typeof(auction_id)){
                        jomresJquery.ajax({
                                url : ajaxurl+"&ahtask=checkbid&auction_id="+auction_id,
                                success : function (data)
                                        {
                                        var result = data.split("^");

                                        if (jomresJquery.trim(result[1]) == "1")
                                                {
                                                var reload = jomresJquery("#reload").val();
                                                if (reload == 1)
                                                        window.location.href=livesite+'&ahtask=
                                                             auction_view_auction&auction_id='+
                                                             auction_id+'&reload=1';
                                                else
                                                        {
                                                        populateDiv('timeremaining',result[2]);
                                                        setTimeout(function ()
                                                                {
                                                                req();
                                                                }
                                                                , 2000);
                                                        }
                                                }
                                        else
                                                {
                                                populateDiv('timeremaining',result[2]);
                                                setTimeout(function ()
                                                        {
                                                        req();
                                                        }
                                                        , 2000);
```

```
                                                }
                                        }
                                });
                        }
                };
        req();
        });


//jomresJquery.jheartbeat.set
//      ({
//      var auction_id = jomresJquery("#auction_id").val();
//      url: ajaxurl+"&ahtask=heartbeat&auction_id="+auction_id,
//      delay: 1000,
//      div_id : "timeremaining"
//      });


</script>


<ul class="ui-tabs-nav ui-helper-reset ui-helper-clearfix ui-widget-content ui-corner-all dropdown">
        <patTemplate:tmpl name="everybody_rows_title" requiredVars="title">
        <li><a href="{HOMELINK}">{TITLE}</a>
        <ul class="ui-tabs-nav ui-helper-reset ui-helper-clearfix ui-widget-content ui-corner-all
             sub_menu">
        <patTemplate:tmpl name="everybody_rows" requiredVars="link">
                        <li><a href="{LINK}" {JAVASCRIPT}>{MENUOPTION}</a></li>
                </patTemplate:tmpl>
                </ul>
        </li>
        </patTemplate:tmpl>

        <patTemplate:tmpl name="buyer_rows_title" type="simpleCondition"  requiredVars="title">
        <li><a href="{HOMELINK}">{TITLE}</a>
        <ul class="ui-tabs-nav ui-helper-reset ui-helper-clearfix ui-widget-content ui-corner-all
             sub_menu">
        <patTemplate:tmpl name="buyer_rows" requiredVars="link">
                        <li><a href="{LINK}" {JAVASCRIPT}>{MENUOPTION}</a></li>
                </patTemplate:tmpl>
                </ul>
        </li>
        </patTemplate:tmpl>

        <patTemplate:tmpl name="seller_rows_title" type="simpleCondition" requiredVars="title">
        <li><a href="{HOMELINK}">{TITLE}</a>
        <ul class="ui-tabs-nav ui-helper-reset ui-helper-clearfix ui-widget-content ui-corner-all
             sub_menu">
        <patTemplate:tmpl name="seller_rows" requiredVars="link">
                        <li><a href="{LINK}" {JAVASCRIPT}>{MENUOPTION}</a></li>
                </patTemplate:tmpl>
                </ul>
        </li>
        </patTemplate:tmpl>
</ul>

</patTemplate:tmpl>
```

21. jomres_plus/templates/application_index.html

```
<patTemplate:tmpl name="pageoutput" >
                {HELLO}
</patTemplate:tmpl>
```

22. jomres_plus/templates/application_weather.html

```
<patTemplate:tmpl name="pageoutput" >
</patTemplate:tmpl>

<script src="https://maps.googleapis.com/maps/api/js?v=3.exp&signed_in=true&libraries=weather"></
     script>
<script>
function initialize() {
  var mapOptions = {
    zoom: 4,
    center: new google.maps.LatLng(49.265984,-123.127491)
  };

  var map = new google.maps.Map(document.getElementById('map-canvas'),
      mapOptions);

  var weatherLayer = new google.maps.weather.WeatherLayer({
    temperatureUnits: google.maps.weather.TemperatureUnit.FAHRENHEIT
  });
  weatherLayer.setMap(map);

  var cloudLayer = new google.maps.weather.CloudLayer();
  cloudLayer.setMap(map);
}
```

```
google.maps.event.addDomListener(window, 'load', initialize);
</script>

<div id="map-canvas" style="height: 100%;"></div>
```

23. jomres_plus/templates/cancel_unpaid_email.html

```
<patTemplate:tmpl name="pageoutput" unusedvars="strip">
<table width="650" bgcolor="#ffffff" border="0" align="center" cellpadding="2" cellspacing="2" style
    ="font-size: 11px;">
  <tr>
                <td> </td>
  </tr>
        <tr>

                <td style="font-size: 11px;">{DEAR} {GUESTFIRSTNAME} {GUESTLASTNAME},</td>
  </tr>
        <tr>
                <td style="font-size: 11px;">{BODY1}</td>
  </tr>
  <tr>
          <td><strong>{HBOOKINGNO}: </strong>{BOOKINGNO}</td>
  </tr>
        <tr>
          <td><strong>{HARRIVAL}: </strong>{ARRIVAL}</td>
  </tr>
        <tr>
          <td><strong>{HDEPARTURE}: </strong>{DEPARTURE}</td>
  </tr>
        <tr>
          <td><strong>{HTOTAL}: </strong>{TOTAL}</td>
  </tr>
  <tr>
          <td><strong>{HDEPOSIT}: </strong>{DEPOSIT}</td>
  </tr>
        <tr>
          <td>{BODY2}</td>
  </tr>
</table>
</patTemplate:tmpl>
```

24. jomres_plus/templates/jpmap.html

```
<patTemplate:tmpl name="pageoutput">
<script src="//code.jquery.com/jquery-1.11.2.min.js"></script>
<script type="text/javascript"
          src="https://maps.googleapis.com/maps/api/directions/json?origin=Toronto&destination=
              Montreal&key=AIzaSyA3-GfTEBWgFWmOwqeUkua7nOliP6B-Dxc"></script>
<script src="https://maps.googleapis.com/maps/api/js?v=3.exp&signed_in=true&libraries=weather"></
    script>
<script src="https://maps.googleapis.com/maps/api/js?v=3.exp&signed_in=true"></script>
<script src="https://maps.googleapis.com/maps/api/js?v=3.exp&signed_in=true&libraries=places"></
    script>

<script type="text/javascript" src="https://ajax.googleapis.com/ajax/libs/jquery/1/jquery.min.js"></
    script>

<form action="http://maps.google.com/maps" method="get" target="_blank">
        {DIRECTIONS} <br/>
        <input type="text" name="saddr" size="4" placeholder="Source"/>
        <input type="hidden" name="daddr" value="{NAME_SEARCH}" />
        <input type="submit" value="Get Directions" />
</form> <br>

<div id="search" style="display:none;">
        <input id="pac-input" class="controls" type="text" placeholder="Search Box">
</div>
<div id="map-canvas" style="width:500px; height:400px;display:none;" ></div>
<button onclick="displayMap()">{SEARCH_NEARBY}</button> <br> <br>

<a target="_blank" href="https://google-developers.appspot.com/maps/documentation/javascript/
    examples/full/layer-weather"> {WEATHER_INFO} </a>
<br>
<iframe id="forecast_embed" type="text/html" frameborder="0" height="245" width="100%" src="https://
    forecast.io/embed/#lat={LAT}&lon={LONG}&name={NAME}"> </iframe>

<br><br>

<script type="text/javascript">
    function displayMap() {
                document.getElementById('search').style.display = "block";
        document.getElementById('map-canvas').style.display="block";
        initialize();
    }

        function initialize() {

                var markers = [];

                var map = new google.maps.Map(document.getElementById('map-canvas'), {
```

```
                        zoom: 4,
                        center: new google.maps.LatLng({LAT},{LONG}),
                        mapTypeId: google.maps.MapTypeId.ROADMAP
                });

                var redmarker = new google.maps.Marker({
                        position: new google.maps.LatLng({LAT},{LONG}),
                        map: map,
                        title: '{NAME}'
                });

                var defaultBounds = new google.maps.LatLngBounds(
                        new google.maps.LatLng({LAT}, {LONG}),
                        new google.maps.LatLng({LAT}, {LONG}));
                map.fitBounds(defaultBounds);

                // Create the search box and link it to the UI element.
                var input = /** @type {HTMLInputElement} */(
                        document.getElementById('pac-input'));
                map.controls[google.maps.ControlPosition.TOP_LEFT].push(input);

                var searchBox = new google.maps.places.SearchBox(
                        /** @type {HTMLInputElement} */(input));

                        // Listen for the event fired when the user selects an item from the
                        // pick list. Retrieve the matching places for that item.
                        google.maps.event.addListener(searchBox, 'places_changed', function() {
                                var places = searchBox.getPlaces();

                                if (places.length == 0) {
                                        return;
                                }
                                for (var i = 0, marker; marker = markers[i]; i++) {
                                        marker.setMap(null);
                                }

                                // For each place, get the icon, place name, and location.
                                markers = [];
                                var bounds = new google.maps.LatLngBounds();
                                for (var i = 0, place; place = places[i]; i++) {
                                        var image = {
                                                url: place.icon,
                                                size: new google.maps.Size(71, 71),
                                                origin: new google.maps.Point(0, 0),
                                                anchor: new google.maps.Point(17, 34),
                                                scaledSize: new google.maps.Size(25, 25)
                                        };

                                        // Create a marker for each place.
                                        var marker = new google.maps.Marker({
                                                map: map,
                                                icon: image,
                                                title: place.name,
                                                position: place.geometry.location
                                        });

                                        markers.push(marker);

                                        bounds.extend(place.geometry.location);
                                }

                                map.fitBounds(bounds);
                });

                // Bias the SearchBox results towards places that are within the bounds of the
                // current map's viewport.
                google.maps.event.addListener(map, 'bounds_changed', function() {
                        var bounds = map.getBounds();
                        searchBox.setBounds(bounds);
                });
        }

</script>
</patTemplate:tmpl>
```

25. jomres_plus/templates/payment_reminder_email.html

```
<patTemplate:tmpl name="pageoutput" unusedvars="strip">
<table width="650" bgcolor="#ffffff" border="0" align="center" cellpadding="2" cellspacing="2" style
    ="font-size: 11px;">
  <tr>
                <td> </td>
  </tr>
        <tr>

                <td style="font-size: 11px;">{DEAR} {GUESTFIRSTNAME} {GUESTLASTNAME},</td>
  </tr>
        <tr>
                <td style="font-size: 11px;">{BODY1}</td>
  </tr>
  <tr>
```

```
            <td><strong>{HBOOKINGNO}: </strong>{BOOKINGNO}</td>
    </tr>
          <tr>
            <td><strong>{HARRIVAL}: </strong>{ARRIVAL}</td>
    </tr>
          <tr>
            <td><strong>{HDEPARTURE}: </strong>{DEPARTURE}</td>
    </tr>
          <tr>
            <td><strong>{HTOTAL}: </strong>{TOTAL}</td>
    </tr>
    <tr>
            <td><strong>{HDEPOSIT}: </strong>{DEPOSIT}</td>
    </tr>
          <tr>
            <td>{BODY2}</td>
    </tr>
  </table>
  </patTemplate:tmpl>
```

26. jomres_plus/templates/review_reminder_email.html

```
<patTemplate:tmpl name="pageoutput" unusedvars="strip">
<table width="650" bgcolor="#ffffff" border="0" align="center" cellpadding="2" cellspacing="2" style
    ="font-size: 11px;">
  <tr>
                <td> </td>
  </tr>
        <tr>

                <td style="font-size: 11px;">{DEAR} {GUESTFIRSTNAME} {GUESTLASTNAME},</td>
  </tr>
        <tr>
                <td style="font-size: 11px;">{BODY1}</td>
  </tr>
  <tr>
            <td><strong>{HBOOKINGNO}: </strong>{BOOKINGNO}</td>
  </tr>
        <tr>
            <td><strong>{HARRIVAL}: </strong>{ARRIVAL}</td>
  </tr>
        <tr>
            <td><strong>{HDEPARTURE}: </strong>{DEPARTURE}</td>
  </tr>
  <tr>
            <td>{BODY3}</td>
  </tr>
</table>
</patTemplate:tmpl>
```

27. jomres_plus/templates/share.html

```
<patTemplate:tmpl name="pageoutput">

<table>
        <tr>
                <td> Facebook
                <td> <span class='st_facebook_large' displayText='Facebook'></span>
        </tr>
        <tr>
                <td> Twitter
                <td> <span class='st_twitter_large' displayText='Tweet'></span>
        </tr>
        <tr>
                <td> Tumblr
                <td> <span class='st_tumblr_large' displayText='Tumblr'></span>
        </tr>
        <tr>
                <td> Google +
                <td> <span class='st_googleplus_large' displayText='Google +'></span>
        </tr>
        <tr>
                <td> Pinterest
                <td> <span class='st_pinterest_large' displayText='Pinterest'></span>
        </tr>
</table>

<script type="text/javascript" src="//ws.sharethis.com/button/buttons.js"></script>
<script type="text/javascript">stLight.options({publisher: "f35b946c-31b7-435a-8c8b-56c3ae77410b",
     doNotHash: false, doNotCopy: false, hashAddressBar: false});</script>
<script type='text/javascript'>
  (function() {
    window.___fourSq = {"uid":"63305170"};
    var s = document.createElement('script');
    s.type = 'text/javascript';
    s.src = 'https://platform.foursquare.com/js/widgets.js';
    s.async = true;
    var ph = document.getElementsByTagName('script')[0];
    ph.parentNode.insertBefore(s, ph);
  })();
```

```
</script>

</patTemplate:tmpl>
```

28. jomres_plus/templates/video.html

```
<patTemplate:tmpl name="pageoutput">

{DIV}

<script type="text/javascript">
        <!--
        jomresJquery(document).ready(function () {
                jomresJquery('#galleria').galleria({
                        responsive: true,
                        width: '100%',
                        height: 0.75,
                        transition: "slide",
                        imageCrop: true,
                        lightbox: true,
                        autoplay: 5000,
                        preload: 0,
                        debug: false
                });
        });
        //-->
</script>
</patTemplate:tmpl>
```

29. jomres_plus/templates/weather.html

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Weather layer</title>
    <style>
      html, body, #map-canvas {
        height: 100%;
        margin: 0px;
        padding: 0px
      }
    </style>
    <script src="https://maps.googleapis.com/maps/api/js?v=3.exp&signed_in=true&libraries=weather
        "></script>
    <script>
function initialize() {
  var mapOptions = {
    zoom: 4,
    center: new google.maps.LatLng(49.265984,-123.127491)
  };

  var map = new google.maps.Map(document.getElementById('map-canvas'),
      mapOptions);

  var weatherLayer = new google.maps.weather.WeatherLayer({
    temperatureUnits: google.maps.weather.TemperatureUnit.FAHRENHEIT
  });
  weatherLayer.setMap(map);

  var cloudLayer = new google.maps.weather.CloudLayer();
  cloudLayer.setMap(map);
}

google.maps.event.addDomListener(window, 'load', initialize);

    </script>
  </head>
  <body>
    <div id="map-canvas"></div>
  </body>
</html>
```

30. jomres_plus/index.html

31. jomres_plus/j00005jomres_plus.class.php

```
<?php
defined( '_JOMRES_INITCHECK' ) or die( '' );

class j00005jomres_plus {
function j00005jomres_plus()
{
$MiniComponents =jomres_getSingleton('mcHandler');
if ($MiniComponents->template_touch)
{
$this->template_touchable=false; return;
```

```
}
$ePointFilepath = get_showtime('ePointFilepath');
if (file_exists(get_showtime('ePointFilepath').'language'.JRDS.get_showtime('lang').'.php'))
require_once(get_showtime('ePointFilepath').'language'.JRDS.get_showtime('lang').'.php');
else
{
if (file_exists(get_showtime('ePointFilepath').'language'.JRDS.'en-GB.php'))
require_once(get_showtime('ePointFilepath').'language'.JRDS.'en-GB.php');
}
}

function getRetVals()
{
return null;
}
}

?>
```

32. jomres_plus/j00035tabcontent_03_jpmap.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j00035tabcontent_03_jpmap
        {
        function j00035tabcontent_03_jpmap( $componentArgs )
                {
                $MiniComponents = jomres_singleton_abstract::getInstance( 'mcHandler' );
                if ( $MiniComponents->template_touch )
                        {
                        $this->template_touchable = false;

                        return;
                        }
                $property_uid = (int) $componentArgs[ 'property_uid' ];
                $mrConfig     = getPropertySpecificSettings( $property_uid );

                $output = $componentArgs[ 'currrent_output' ];

                $anchor        = jomres_generate_tab_anchor( 'Jomres Plus Maps' );
                $tab           = array ( "TAB_ANCHOR" => $anchor, "TAB_TITLE" => "Maps and Weather",
                      "TAB_CONTENT" => $MiniComponents->miniComponentData[ '01060' ][ 'jpmap' ][ '
                     jpmap' ] );
                $this->retVals = $tab;

                }

        function getRetVals()
                {
                return $this->retVals;
                }

        }

?>
```

33. jomres_plus/j00035tabcontent_03_share.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j00035tabcontent_03_share
        {
        function j00035tabcontent_03_share( $componentArgs )
                {
                $MiniComponents = jomres_singleton_abstract::getInstance( 'mcHandler' );
                if ( $MiniComponents->template_touch )
                        {
                        $this->template_touchable = false;

                        return;
                        }
                $property_uid = (int) $componentArgs[ 'property_uid' ];
                $mrConfig     = getPropertySpecificSettings( $property_uid );

                $output = $componentArgs[ 'currrent_output' ];

                $anchor        = jomres_generate_tab_anchor( 'Share' );
                $tab           = array ( "TAB_ANCHOR" => $anchor, "TAB_TITLE" => "Share", "
                     TAB_CONTENT" => $MiniComponents->miniComponentData[ '01060' ][ 'share' ][ '
                     share' ] );
                $this->retVals = $tab;

                }

        function getRetVals()
                {
```

```
                return $this->retVals;
                }

        }

?>
```

34. jomres_plus/j00035tabcontent_03_video.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j00035tabcontent_03_video
        {
        function j00035tabcontent_03_video( $componentArgs )
                {
                $MiniComponents = jomres_singleton_abstract::getInstance( 'mcHandler' );
                if ( $MiniComponents->template_touch )
                        {
                        $this->template_touchable = false;

                        return;
                        }
                $property_uid = (int) $componentArgs[ 'property_uid' ];
                $mrConfig     = getPropertySpecificSettings( $property_uid );

                $output = $componentArgs[ 'currrent_output' ];

                $anchor         = jomres_generate_tab_anchor( 'Video' );
                $tab            = array ( "TAB_ANCHOR" => $anchor, "TAB_TITLE" => "Video", "
                    TAB_CONTENT" => $MiniComponents->miniComponentData[ '01060' ][ 'video' ][ '
                    video' ] );
                $this->retVals = $tab;

                }

        function getRetVals()
                {
                return $this->retVals;
                }

        }

?>
```

35. jomres_plus/j01060jpmap.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j01060jpmap
        {

        function j01060jpmap( $componentArgs )
                {

                $MiniComponents = jomres_singleton_abstract::getInstance( 'mcHandler' );
                if ( $MiniComponents->template_touch )
                        {
                        $this->template_touchable = false;
                        return;
                        }

                $imagesArray=array();
                $jomres_media_centre_images = jomres_singleton_abstract::getInstance( '
                    jomres_media_centre_images' );

                $output = array ();

                $output['SHOW_HOTEL_LOCATION']=jr_gettext('
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_SHOW_HOTEL_LOCATION',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_SHOW_HOTEL_LOCATION);
                $output['WEATHER_INFO']=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_WEATHER_INFO',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_WEATHER_INFO);
                $output['DIRECTIONS']=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_DIRECTIONS',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_DIRECTIONS);
                $output['STARTING_ADDRESS']=jr_gettext('
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_STARTING_ADDRESS',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_STARTING_ADDRESS);
                $output['SEARCH_NEARBY']=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEARCH_NEARBY',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEARCH_NEARBY);

                $output['LINKTO_WEATHER'] = JOMRES_SITEPAGE_URL.'&task=jomres_plus&app_task=
                    jomres_plus_weather';
                $output['LINKTO_DIRECTIONS'] = JOMRES_SITEPAGE_URL_ADMIN.'&task='.get_showtime("
                    application").'&app_task=jomres_plus_directions';
                $output['LINKTO_NEARBY'] = JOMRES_SITEPAGE_URL_ADMIN.'&task='.get_showtime("
                    application").'&app_task=jomres_plus_nearby';
```

```
                $query  = "SELECT * FROM #__jomres_propertys";
                $result = doSelectSql( $query );
                foreach ($result as $r) {
                        $lat = $r->lat;
                        $long = $r->long;
                        $name = $r->property_name;
                        $street = $r->property_street;
                        $town = $r->property_town;
                        $country = $r->property_country;
                }
                $output['LAT'] = $lat;
                $output['LONG'] = $long;
                $output['NAME'] = $name." ".$town;
                $output['NAME_SEARCH'] = $name;

                $pageoutput[ ] = $output;

                $tmpl          = new patTemplate();
                $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                $tmpl->readTemplatesFromInput( 'jpmap.html' );
                $tmpl->addRows( 'pageoutput', $pageoutput );
                $tmpl->addRows( 'rows', $rows );
                $output_now = (bool) jomresGetParam( $_REQUEST, 'op', false );
                if ( $output_now )
                        $tmpl->displayParsedTemplate();
                else
                        $this->retVals[ 'jpmap' ] = $tmpl->getParsedTemplate();
        }

        function touch_template_language()
                {
                $output=array();

                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SHOW_HOTEL_LOCATION',
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_SHOW_HOTEL_LOCATION);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_WEATHER_INFO',
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_WEATHER_INFO);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_DIRECTIONS',
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_DIRECTIONS);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_DIRECTIONS',
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_DIRECTIONS);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_STARTING_ADDRESS',
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_STARTING_ADDRESS);

                foreach ($output as $o)
                {
                        echo $o;
                        echo "<br/>";
                }
        }

        function getRetVals()
                {
                return $this->retVals;
                }
        }

?>
```

36. jomres_plus/j01060share.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j01060share
        {
        function j01060share( $componentArgs )
                {
                $MiniComponents = jomres_singleton_abstract::getInstance( 'mcHandler' );
                if ( $MiniComponents->template_touch )
                        {
                        $this->template_touchable = false;
                        return;
                        }

                $imagesArray=array();
                $jomres_media_centre_images = jomres_singleton_abstract::getInstance( '
                     jomres_media_centre_images' );

                $output = array ();

                $pageoutput[ ] = $output;
                $tmpl          = new patTemplate();
                $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                $tmpl->readTemplatesFromInput( 'share.html' );
                $tmpl->addRows( 'pageoutput', $pageoutput );
                $tmpl->addRows( 'rows', $rows );
                $output_now = (bool) jomresGetParam( $_REQUEST, 'op', false );
                if ( $output_now )
```

```
                        $tmpl->displayParsedTemplate();
                else
                        $this->retVals[ 'share' ] = $tmpl->getParsedTemplate();

        }

        function getRetVals()
                {
                return $this->retVals;
                }
        }

?>
```

37. jomres_plus/j01060video.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j01060video
        {

        function j01060video( $componentArgs )
                {
                $MiniComponents = jomres_singleton_abstract::getInstance( 'mcHandler' );
                if ( $MiniComponents->template_touch )
                        {
                        $this->template_touchable = false;
                        return;
                        }

                $imagesArray=array();
                $jomres_media_centre_images = jomres_singleton_abstract::getInstance( '
                    jomres_media_centre_images' );

                $output = array ();

                $div ="";
                $query  = "SELECT url FROM #__jomresplus_youtube";
                $result = doSelectSql( $query );
                foreach ($result as $r) {
                        $temp = $r->url;
                        $temp = str_replace("watch?v=","embed/",$temp);
                        $div = "<iframe width='500' height='300' src='$temp' frameborder='0'
                            allowfullscreen></iframe>" . $div;
                }

                $output['DIV'] = $div;

                $pageoutput[ ] = $output;
                $tmpl          = new patTemplate();
                $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                $tmpl->readTemplatesFromInput( 'video.html' );
                $tmpl->addRows( 'pageoutput', $pageoutput );
                $tmpl->addRows( 'rows', $rows );
                $output_now = (bool) jomresGetParam( $_REQUEST, 'op', false );
                if ( $output_now )
                        $tmpl->displayParsedTemplate();
                else
                        $this->retVals[ 'video' ] = $tmpl->getParsedTemplate();

        }

        function getRetVals()
                {
                return $this->retVals;
                }
        }

?>
```

38. jomres_plus/j06000jomres_plus.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j06000jomres_plus
        {
        function j06000jomres_plus()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=true; return;
                        }

                set_showtime('application',"jomres_plus");
```

```
                date_default_timezone_set('UTC');

                $output=array();
                $pageoutput = array();
                $thisJRUser=jomres_getSingleton('jr_user');
                $accessLevel=$thisJRUser->accesslevel;

                $app_task                                       = jomresGetParam( $_REQUEST, 'app_task', ""
                    );

                set_showtime('app_task',$app_task);

                define("JOMRES_APPLICATION_URL", JOMRES_SITEPAGE_URL.'&task='.get_showtime('
                    application') );
                define("JOMRES_APPLICATION_URL_AJAX", JOMRES_SITEPAGE_URL.'&no_html=1&popup=1&task
                    ='.get_showtime('application'));

                $task_header = $MiniComponents->specificEvent('06050',get_showtime('application').'
                    _head');

                if ($MiniComponents->eventSpecificlyExistsCheck('06060',get_showtime('app_task')) )
                        $task_content = $MiniComponents->specificEvent('06060',get_showtime('
                            app_task'));
                else
                        $task_content = $MiniComponents->specificEvent('06060',get_showtime('
                            application').'_index');

                if (!defined('JOMRES_NOHTML'))
                        $output['HEADER']=$task_header;
                if (!defined('JOMRES_NOHTML'))
                        {
                        $task_footer = $MiniComponents->specificEvent('06070',get_showtime('
                            application').'_foot');
                        $output['CONTENT']=$task_content;
                        }
                else
                        {
                        $js = get_showtime('app_javascript');
                        if (get_showtime('app_task') != "heartbeat" && !is_null($js) )
                                $output['CONTENT']=get_showtime('app_javascript').'^'.$task_content;
                        elseif (isset($_REQUEST['json']))
                                echo json_encode($task_content);
                        else
                                echo $task_content;
                        }

                if (!defined('JOMRES_NOHTML'))
                        $output['FOOTER']=$task_footer;

                $pageoutput[]=$output;
                $tmpl = new patTemplate();
                $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                if (!defined('JOMRES_NOHTML'))
                        $tmpl->readTemplatesFromInput( 'application.html' );
                else
                        $tmpl->readTemplatesFromInput( 'application_ajax.html' );
                $tmpl->addRows( 'pageoutput', $pageoutput );
                $tmpl->displayParsedTemplate();

                }

        function getRetVals()
                {
                return null;
                }
        }

?>
```

39. jomres_plus/j06050jomres_plus_head.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j06050jomres_plus_head
        {
        function j06050jomres_plus_head()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=true; return;
                        }
                $output=array();
                $pageoutput = array();

                $output['AJAXURL']=JOMRES_APPLICATION_URL_AJAX;
                $output['LIVESITE']=JOMRES_APPLICATION_URL;

                $pageoutput[]=$output;
```

```
                $tmpl = new patTemplate();
                $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                $tmpl->readTemplatesFromInput( 'application_head.html' );
                $this->ret_vals = $tmpl->getParsedTemplate();
                }

        function touch_template_language()
                {
                $output=array();

                foreach ($output as $o)
                        {
                        echo $o;
                        echo "<br/>";
                        }
                }

        function getRetVals()
                {
                return $this->ret_vals;
                }
        }

?>
```

40. jomres_plus/j06060jomres_plus_index.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j06060jomres_plus_index
        {
        function j06060jomres_plus_index()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=false; return;
                        }
                $output=array();
                $pageoutput = array();

                $output['HELLO'] = "<h1>HI!</h1>";

                $pageoutput[]=$output;
                $tmpl = new patTemplate();
                $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                $tmpl->readTemplatesFromInput( 'application_index.html' );
                $tmpl->addRows( 'pageoutput', $pageoutput );
                $this->ret_vals = $tmpl->getParsedTemplate();
                }

        function touch_template_language()
                {
                $output=array();

                foreach ($output as $o)
                        {
                        echo $o;
                        echo "<br/>";
                        }
                }

        function getRetVals()
                {
                return $this->ret_vals;
                }
        }

?>
```

41. jomres_plus/j06060jomres_plus_weather.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j06060jomres_plus_weather
        {
        function j06060jomres_plus_weather()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=false; return;
                        }
                $output=array();
                $pageoutput = array();
```

```
                $query  = "SELECT * FROM #__jomres_propertys";
                $result = doSelectSql( $query );
                foreach ($result as $r) {
                        $lat = $r->lat;
                        $long = $r->long;
                        $name = $r->property_name;
                }
                $output['LAT'] = $lat;
                $output['LONG'] = $long;
                $output['NAME'] = $name;

                $pageoutput[]=$output;
                $tmpl = new patTemplate();
                $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                $tmpl->readTemplatesFromInput( 'application_weather.html' );
                $tmpl->addRows( 'pageoutput', $pageoutput );
                $this->ret_vals = $tmpl->getParsedTemplate();
                }

        function touch_template_language()
                {
                $output=array();

                foreach ($output as $o)
                        {
                        echo $o;
                        echo "<br/>";
                        }
                }

        function getRetVals()
                {
                return $this->ret_vals;
                }
        }

?>
```

42. jomres_plus/j06070jomres_plus_foot.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j06070jomres_plus_foot
        {
        function j06070jomres_plus_foot()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=false; return;
                        }
                $output=array();
                $pageoutput = array();

                $pageoutput[]=$output;
                $tmpl = new patTemplate();
                $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                $tmpl->readTemplatesFromInput( 'application_foot.html' );
                $tmpl->addRows( 'pageoutput', $pageoutput );
                $tmpl->addRows( 'rows', $rows );
                $this->ret_vals = $tmpl->getParsedTemplate();
                }

        function touch_template_language()
                {
                $output=array();

                foreach ($output as $o)
                        {
                        echo $o;
                        echo "<br/>";
                        }
                }

        function getRetVals()
                {
                return $this->ret_vals;
                }
        }

?>
```

43. jomres_plus/j10002cancel_unpaid.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );
```

```
class j10002cancel_unpaid
        {
        function j10002cancel_unpaid()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=true; return;
                        }
                $htmlFuncs =jomres_getSingleton('html_functions');
                $this->cpanelButton=$htmlFuncs->cpanelButton(JOMRES_SITEPAGE_URL_ADMIN.'&task=
                     cancel_unpaid', 'ChartBarTrend.png', jr_gettext("
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID", "
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID",false,false),"/jomres/images/
                     jomresimages/small/",jr_gettext("
                     _JOMRES_CUSTOMCODE_MENUCATEGORIES_JOMRES_PLUS_CATEGORY", "Jomres Plus",false,
                     false));
                }

        function getRetVals()
                {
                return $this->cpanelButton;
                }
        }
```

44. jomres_plus/j10002export.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j10002export
        {
        function j10002export()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=true; return;
                        }
                $htmlFuncs =jomres_getSingleton('html_functions');
                $this->cpanelButton=$htmlFuncs->cpanelButton(JOMRES_SITEPAGE_URL_ADMIN.'&task=export
                     ', 'ChartBarTrend.png', jr_gettext("_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_CSV"
                      , "_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_CSV",false,false),"/jomres/images/
                     jomresimages/small/",jr_gettext("
                     _JOMRES_CUSTOMCODE_MENUCATEGORIES_JOMRES_PLUS_CATEGORY", "Jomres Plus",false,
                     false));
                }

        function getRetVals()
                {
                return $this->cpanelButton;
                }
        }
```

45. jomres_plus/j10002jomres_plus.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j10002jomres_plus
        {
        function j10002jomres_plus()
                {
                // Must be in all minicomponents. Minicomponents with templates that can contain
                    editable text should run $this->template_touch() else just return
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=true; return;
                        }
                $htmlFuncs =jomres_getSingleton('html_functions');
                $this->cpanelButton=$htmlFuncs->cpanelButton(JOMRES_SITEPAGE_URL_ADMIN.'&task=
                     jomres_plus', 'ChartBarTrend.png', jr_gettext("
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE", "
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE+",false,false),"/jomres/images/
                     jomresimages/small/",jr_gettext("
                     _JOMRES_CUSTOMCODE_MENUCATEGORIES_JOMRES_PLUS_CATEGORY", "Jomres Plus",false,
                     false));
                }

        function getRetVals()
                {
                return $this->cpanelButton;
                }
        }
```

46. jomres_plus/j10002payment_reminder.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j10002payment_reminder
        {
        function j10002payment_reminder()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=true; return;
                        }
                $htmlFuncs =jomres_getSingleton('html_functions');
                $this->cpanelButton=$htmlFuncs->cpanelButton(JOMRES_SITEPAGE_URL_ADMIN.'&task=
                     payment_reminder', 'ChartBarTrend.png', jr_gettext( "
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER" , "
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER",false,false),"/jomres/images/
                     jomresimages/small/",jr_gettext( "
                     _JOMRES_CUSTOMCODE_MENUCATEGORIES_JOMRES_PLUS_CATEGORY" , "Jomres Plus" ,false,
                     false));
                }

        function getRetVals()
                {
                return $this->cpanelButton;
                }
        }
```

47. jomres_plus/j10002review_reminder.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j10002review_reminder
        {
        function j10002review_reminder()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=true; return;
                        }
                $htmlFuncs =jomres_getSingleton('html_functions');
                $this->cpanelButton=$htmlFuncs->cpanelButton(JOMRES_SITEPAGE_URL_ADMIN.'&task=
                     review_reminder', 'ChartBarTrend.png', jr_gettext( "
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_REVIEW_REMINDER" , "
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_REVIEW_REMINDER",false,false),"/jomres/images/
                     jomresimages/small/",jr_gettext( "
                     _JOMRES_CUSTOMCODE_MENUCATEGORIES_JOMRES_PLUS_CATEGORY" , "Jomres Plus" ,false,
                     false));
                }

        function getRetVals()
                {
                return $this->cpanelButton;
                }
        }
```

48. jomres_plus/j16000cancel_unpaid.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j16000cancel_unpaid
        {
        function j16000cancel_unpaid()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=false; return;
                        }
                $ePointFilepath = get_showtime('ePointFilepath');

                $output=array();
                $pageoutput=array();

                $query  = "SELECT days FROM #__jomresplus_search WHERE task = 'cancel_unpaid'";
                $result = doSelectSql( $query );
                if (isset($result) && !empty($result)) {
                        foreach ($result as $r) {
                                $days_set = (int) $r->days;
                        }
                }

                $options = array();
                for ($i=1, $n=30; $i <= $n; $i++)
```

```
                        {
                        $options[] = jomresHTML::makeOption( $i, $i );
                        }
                $selected=$days_set;

                $output['DAYS']=jomresHTML::selectList( $options, 'days','class="inputbox" size
                    ="1"', 'value', 'text', $selected);

                $output['CANCEL_UNPAID']=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID);
                $output['CU_INSTRUCTIONS']=jr_gettext('
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_CU_INSTRUCTIONS',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_CU_INSTRUCTIONS,FALSE);
                $output['CU_DAYS1']=jr_gettext('
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID_NR_DAYS_TITLE1',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID_NR_DAYS_TITLE1,FALSE);
                $output['CU_DAYS2']=jr_gettext('
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID_NR_DAYS_TITLE2',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID_NR_DAYS_TITLE2,FALSE);

                $output['LINKTO_CANCEL_UNPAID'] = JOMRES_SITEPAGE_URL_ADMIN.'&task=jomres_plus&
                    app_task=send_cancel_unpaid';
                $output['SEND_CU_EMAIL']=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_CU_EMAIL',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_CU_EMAIL,FALSE);

                $output['DAYSSET'] = $days_set;

                $output['JOMRES_SITEPAGE_URL_ADMIN']=JOMRES_SITEPAGE_URL_ADMIN;

                $pageoutput[]=$output;
                $tmpl = new patTemplate();
                $tmpl->setRoot( $ePointFilepath.JRDS.'templates');
                $tmpl->readTemplatesFromInput( 'admin_cancel_unpaid.html');
                $tmpl->addRows( 'pageoutput',$pageoutput);
                $tmpl->displayParsedTemplate();
                }

        function getRetVals()
                {
                return null;
                }
        }
?>
```

49. jomres_plus/j16000export.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j16000export
        {
        function j16000export()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=false; return;
                        }
                $ePointFilepath = get_showtime('ePointFilepath');

                $output=array();
                $pageoutput=array();

                $output['EXPORT_CSV']=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_CSV',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_CSV);
                $output['EXPORT_CSV_DATA']=jr_gettext('
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_CSV_DATA',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_CSV_DATA);
                $output['EXPORT']=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT);
                $output['LINKTO_EXPORT'] = JOMRES_SITEPAGE_URL_ADMIN.'&task=jomres_plus&app_task=
                    jomres_plus_export';
                $output['EXPORT_TEXT'] = jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_TEXT',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_TEXT);
                $output['EXPORT_START'] = jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_START',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_START);
                $output['EXPORT_END'] = jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_END',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_END);

                $output['JOMRES_SITEPAGE_URL_ADMIN']=JOMRES_SITEPAGE_URL_ADMIN;

                $query0 = "SELECT arrival, tag FROM #__jomres_contracts";
                $result0 = doSelectSql($query0);
                if (count($result0) > 0) {
                        foreach ($result0 as $r0) {
                                $query1 = "UPDATE #__jomres_contracts SET arrival_time = '".$r0->
                                    arrival." 12:00:00' WHERE arrival = '".$r0->arrival."' AND tag
                                    = '".$r0->tag."'";
                                doInsertSql($query1, "");
                        }
```

```
                }
                $pageoutput[]=$output;
                $tmpl = new patTemplate();
                $tmpl->setRoot( $ePointFilepath.JRDS.'templates');
                $tmpl->readTemplatesFromInput( 'admin_export.html');
                $tmpl->addRows( 'pageoutput',$pageoutput);
                $tmpl->displayParsedTemplate();
                }

        function getRetVals()
                {
                return null;
                }
        }
?>
```

50. jomres_plus/j16000jomres_plus.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j16000jomres_plus
        {
        function j16000jomres_plus()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=true; return;
                        }

                set_showtime('application',"jomres_plus");

                date_default_timezone_set('UTC');

                $output=array();
                $pageoutput = array();
                $thisJRUser=jomres_getSingleton('jr_user');
                $accessLevel=$thisJRUser->accesslevel;

                $app_task                                       = jomresGetParam( $_REQUEST, 'app_task', ""
                     );

                set_showtime('app_task',$app_task);

                define("JOMRES_APPLICATION_URL", JOMRES_SITEPAGE_URL.'&task='.get_showtime('
                     application') );
                define("JOMRES_APPLICATION_URL_AJAX", JOMRES_SITEPAGE_URL.'&no_html=1&popup=1&task
                     ='.get_showtime('application'));

                $task_header = $MiniComponents->specificEvent('16050',get_showtime('application').'
                     _head');

                if ($MiniComponents->eventSpecificlyExistsCheck('16060',get_showtime('app_task')) )
                        $task_content = $MiniComponents->specificEvent('16060',get_showtime('
                             app_task'));
                else
                        $task_content = $MiniComponents->specificEvent('16060',get_showtime('
                             application').'_index');

                if (!defined('JOMRES_NOHTML'))
                        $output['HEADER']=$task_header;
                if (!defined('JOMRES_NOHTML'))
                        {
                        $task_footer = $MiniComponents->specificEvent('16070',get_showtime('
                             application').'_foot');
                        $output['CONTENT']=$task_content;
                        }
                else
                        {
                        $js = get_showtime('app_javascript');
                        if (get_showtime('app_task') != "heartbeat" && !is_null($js) )
                                $output['CONTENT']=get_showtime('app_javascript').'^'.$task_content;
                        elseif (isset($_REQUEST['json']))
                                echo json_encode($task_content);
                        else
                                echo $task_content;
                        }

                if (!defined('JOMRES_NOHTML'))
                        $output['FOOTER']=$task_footer;

                $pageoutput[]=$output;
                $tmpl = new patTemplate();
                $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                if (!defined('JOMRES_NOHTML'))
                        $tmpl->readTemplatesFromInput( 'admin_application.html' );
                else
                        $tmpl->readTemplatesFromInput( 'admin_application_ajax.html' );
                $tmpl->addRows( 'pageoutput', $pageoutput );
```

```
                $tmpl->displayParsedTemplate();

                }

        function getRetVals()
                {
                return null;
                }
        }

?>
```

51. jomres_plus/j16000payment_reminder.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j16000payment_reminder
        {
        function j16000payment_reminder()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=false; return;
                        }
                $ePointFilepath = get_showtime('ePointFilepath');

                $output=array();
                $pageoutput=array();

                $query  = "SELECT days FROM #__jomresplus_search WHERE task = 'payment_reminder'";
                $result = doSelectSql( $query );
                if (count($result) > 0) {
                        foreach ($result as $r) {
                                $days_set = (int) $r->days;
                        }
                }

                $options = array();
                $options = array();
                for ($i=1, $n=30; $i <= $n; $i++)
                        {
                        $options[] = jomresHTML::makeOption( $i, $i );
                        }
                $selected=$days_set;

                $output['DAYS']=jomresHTML::selectList( $options, 'days','class="inputbox" size
                    ="1"', 'value', 'text', $selected);

                $output['PAYMENT_REMINDER']=jr_gettext('
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER,FALSE);
                $output['PR_INSTRUCTIONS']=jr_gettext('
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_PR_INSTRUCTIONS',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_PR_INSTRUCTIONS,FALSE);
                $output['PR_DAYS1']=jr_gettext('
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER_NR_DAYS_TITLE1',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER_NR_DAYS_TITLE1,FALSE);
                $output['PR_DAYS2']=jr_gettext('
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER_NR_DAYS_TITLE2',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER_NR_DAYS_TITLE2,FALSE);
                $output['JOMRESTOKEN'] ='<input type="hidden" name="no_html" value="1">';

                $output['LINKTO_PAYMENT_REMINDER'] = JOMRES_SITEPAGE_URL_ADMIN.'&task=jomres_plus&
                    app_task=send_payment_reminder';
                $output['SEND_PR_EMAIL']=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_PR_EMAIL',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_PR_EMAIL,FALSE);

                $output['JOMRES_SITEPAGE_URL_ADMIN']=JOMRES_SITEPAGE_URL_ADMIN;

                $pageoutput[]=$output;
                $tmpl = new patTemplate();
                $tmpl->setRoot( $ePointFilepath.JRDS.'templates');
                $tmpl->readTemplatesFromInput( 'admin_payment_reminder.html');
                $tmpl->addRows( 'pageoutput',$pageoutput);
                $tmpl->displayParsedTemplate();
                }

        function getRetVals()
                {
                return null;
                }
        }
?>
```

52. jomres_plus/j16000review_reminder.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j16000review_reminder
        {
        function j16000review_reminder()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=false; return;
                        }
                $ePointFilepath = get_showtime('ePointFilepath');

                $output=array();
                $pageoutput=array();

                $query0 = "SELECT departure, tag FROM #__jomres_contracts";
                $result0 = doSelectSql($query0);
                if (count($result0) > 0) {
                        foreach ($result0 as $r0) {
                                $query1 = "UPDATE #__jomres_contracts SET departure_time = '".$r0->
                                    departure." 12:00:00' WHERE departure = '".$r0->departure."'
                                    AND tag = '".$r0->tag."'";
                                doInsertSql($query1, "");
                        }
                }

                $query  = "SELECT days FROM #__jomresplus_search WHERE task = 'review_reminder'";
                $result = doSelectSql( $query );
                if (count($result) > 0) {
                        foreach ($result as $r) {
                                $days_set = (int) $r->days;
                        }
                }

                $options = array();
                for ($i=1, $n=30; $i <= $n; $i++)
                        {
                        $options[] = jomresHTML::makeOption( $i, $i );
                        }
                $selected=$days_set;

                $output['DAYS']=jomresHTML::selectList( $options, 'days','class="inputbox" size
                    ="1"', 'value', 'text', $selected);

                $output['REVIEW_REMINDER']=jr_gettext('
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_REVIEW_REMINDER',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_REVIEW_REMINDER,FALSE);
                $output['RR_INSTRUCTIONS']=jr_gettext('
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_RR_INSTRUCTIONS',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_RR_INSTRUCTIONS,FALSE);
                $output['ENABLE']=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_ENABLED',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_ENABLED,FALSE);
                $output['RR_DAYS1']=jr_gettext('
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_REVIEW_REMINDER_NR_DAYS_TITLE1',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_REVIEW_REMINDER_NR_DAYS_TITLE1,FALSE);
                $output['RR_DAYS2']=jr_gettext('
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_REVIEW_REMINDER_NR_DAYS_TITLE2',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_REVIEW_REMINDER_NR_DAYS_TITLE2,FALSE);

                $output['LINKTO_REVIEW_REMINDER'] = JOMRES_SITEPAGE_URL_ADMIN.'&task=jomres_plus&
                    app_task=send_review_reminder';
                $output['SEND_RR_EMAIL']=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_RR_EMAIL',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_RR_EMAIL,FALSE);

                $output['JOMRES_SITEPAGE_URL_ADMIN']=JOMRES_SITEPAGE_URL_ADMIN;

                $pageoutput[]=$output;
                $tmpl = new patTemplate();
                $tmpl->setRoot( $ePointFilepath.JRDS.'templates');
                $tmpl->readTemplatesFromInput( 'admin_review_reminder.html');
                $tmpl->addRows( 'pageoutput',$pageoutput);
                $tmpl->displayParsedTemplate();
                }

        function getRetVals()
                {
                return null;
                }
        }
?>
```

53. jomres_plus/j16050jomres_plus_head.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j16050jomres_plus_head
```

```
        {
        function j16050jomres_plus_head()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=true; return;
                        }
                $output=array();
                $pageoutput = array();

                $output['AJAXURL']=JOMRES_APPLICATION_URL_AJAX;
                $output['LIVESITE']=JOMRES_APPLICATION_URL;

                $pageoutput[]=$output;
                $tmpl = new patTemplate();
                $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                $tmpl->readTemplatesFromInput( 'admin_application_head.html' );
                $this->ret_vals = $tmpl->getParsedTemplate();
                }

        function touch_template_language()
                {
                $output=array();



                foreach ($output as $o)
                        {
                        echo $o;
                        echo "<br/>";
                        }
                }

        function getRetVals()
                {
                return $this->ret_vals;
                }
        }

?>
```

54. jomres_plus/j16060jomres_plus_export.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j16060jomres_plus_export
        {
        function j16060jomres_plus_export()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=false; return;
                        }
                $output=array();
                $pageoutput = array();
                $header=array();

                $header['BOOKING_NO'] = jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_BOOKING_NO',
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_BOOKING_NO);
                $header['INVOICE_NO'] = jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_INVOICE_NO',
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_INVOICE_NO);
                $header['ARRIVAL'] = jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_ARRIVAL',
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_ARRIVAL);
                $header['DEPARTURE'] = jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_DEPARTURE',
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_DEPARTURE);
                $header['NO_OF_GUESTS'] = jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_NO_OF_GUESTS',
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_NO_OF_GUESTS);
                $header['GUEST_NAME'] = jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_GUEST_NAME',
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_GUEST_NAME);
                $header['LANDLINE'] = jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_LANDLINE',
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_LANDLINE);
                $header['MOBILE'] = jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_MOBILE',
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_MOBILE);
                $header['EMAIL'] = jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EMAIL',
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_EMAIL);
                $header['CONTRACT_TOTAL'] = jr_gettext('
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_CONTRACT_TOTAL',
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_CONTRACT_TOTAL);
                $header['DEPOSIT_REQUIRED'] = jr_gettext('
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_DEPOSIT_REQUIRED',
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_DEPOSIT_REQUIRED);
                $header['DEPOSIT_PAID_OR_NOT'] = jr_gettext('
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_DEPOSIT_PAID_OR_NOT',
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_DEPOSIT_PAID_OR_NOT);
                $header['EXTRAS'] = jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXTRAS',
                        _JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXTRAS);
```

```
$header['NOTE_IF_CANCELLED'] = jr_gettext('
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_NOTE_IF_CANCELLED',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_NOTE_IF_CANCELLED);

$content = $header['BOOKING_NO']."," .$header['INVOICE_NO']."," .$header['ARRIVAL
    ']."," .$header['DEPARTURE']."," .$header['NO_OF_GUESTS']."," .
        $header['GUEST_NAME']."," .$header['LANDLINE']."," .$header['MOBILE']."," .
            $header['EMAIL']."," .$header['CONTRACT_TOTAL']."," .
        $header['DEPOSIT_REQUIRED']."," .$header['DEPOSIT_PAID_OR_NOT']."," .$header['
            EXTRAS']."," .$header['NOTE_IF_CANCELLED']."\n";
$fp = fopen("bookings_data.csv","wb");

$output['HELLO'] = "<h1>HI again Admin!</h1>";

$output['LINKTO_YOUTUBE'] = JOMRES_SITEPAGE_URL_ADMIN.'&task='.get_showtime("
    application").'&app_task=jomres_plus_youtube';
$output['YOUTUBE_TEXT'] = "Click for task3";

$fromstr = $_POST["from"];
$tostr = $_POST["to"];
$from =  date('Y-m-d H:i:s',strtotime($fromstr));
$to =  date('Y-m-d H:i:s',strtotime($tostr));

$query  = "SELECT * FROM #__jomres_contracts WHERE arrival_time >= '".$from."' AND
    arrival_time < '".$to."'";
$result = doSelectSql( $query );

if (count($result) > 0) {
        // output data of each row
        foreach ($result as $r) {
                $contract_id = $r->contract_uid;
                $query_contracts = "SELECT * FROM #__jomresportal_bookings WHERE
                    contract_id = '".$contract_id."'";
                $result_contracts = doSelectSql( $query_contracts );
                if (count($result_contracts) == 1) {
                        foreach ($result_contracts as $r2) {
                                $content = $content . $r2->id . ",";
                                $content = $content . $r2->invoice_id . ",";
                        }
                }

                $content = $content . $r->arrival . ",";
                $content = $content . $r->departure . ",";
                $guests = 1 + (int) $r->adults + (int) $r->children;
                $content = $content . $guests . ",";

                $guest_id = $r->guest_uid;
                $query_guest = "SELECT * FROM #__jomres_guests WHERE guests_uid =
                    '".$guest_id."'";
                $result_guests = doSelectSql( $query_guest );
                if (count($result_guests) == 1) {
                        foreach ($result_guests as $r3) {
                                $content = $content . $r3->firstname . " " . $r3->
                                    surname . ",";
                                $content = $content . $r3->tel_landline . ",";
                                $content = $content . $r3->tel_mobile . ",";
                                $content = $content . $r3->email . ",";
                        }
                }

                $content = $content . $r->contract_total . ",";
                $content = $content . $r->deposit_required . ",";
                $content = $content . $r->deposit_paid . ",";
                $content = $content . $r->extras . ",";
                $content = $content . $r->cancelled . "\n";

                echo $r->id . "<br>";
                echo $r->invoice_id;
        }
} else {
        echo count($result)." results";
}

fwrite($fp,$content);
fclose($fp);
echo "<script>window.open($content, '_blank'); window.focus();</script>";

$file = "bookings_data.csv";

if (file_exists($file)) {
        header('Content-Description: File Transfer');
        header('Content-Type: application/octet-stream');
        header('Content-Disposition: attachment; filename='.basename($file));
        header('Content-Transfer-Encoding: binary');
        header('Expires: 0');
        header('Cache-Control: must-revalidate, post-check=0, pre-check=0');
        header('Pragma: public');
        header('Content-Length: ' . filesize($file));
        ob_clean();
        flush();
        readfile($file);
        exit;
```

```
                }

                $pageoutput[]=$output;
                $tmpl = new patTemplate();
                $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                $tmpl->readTemplatesFromInput( 'admin_application_export.html' );
                $tmpl->addRows( 'pageoutput', $pageoutput );
                $this->ret_vals = $tmpl->getParsedTemplate();
                }

        function touch_template_language()
                {
                $output=array();

                foreach ($output as $o)
                        {
                        echo $o;
                        echo "<br/>";
                        }
                }

        function getRetVals()
                {
                return $this->ret_vals;
                }
        }

?>
```

55. jomres_plus/j16060jomres_plus_index.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j16060jomres_plus_index
        {
        function j16060jomres_plus_index()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=false; return;
                        }
                $ePointFilepath = get_showtime('ePointFilepath');

                $output=array();
                $pageoutput = array();

                $output['INSERT_YOUTUBE']=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE
                     ',_JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE);
                $output['INSERT_YOUTUBE_VIDEO']=jr_gettext('
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE_VIDEO',
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE_VIDEO);
                $output['INSERT_YOUTUBE_VIDEO_URL']=jr_gettext('
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE_VIDEO_URL',
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE_VIDEO_URL);
                $output['INSERT']=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT',
                     _JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT);

                $output['LINKTO_YOUTUBE'] = JOMRES_SITEPAGE_URL_ADMIN.'&task='.get_showtime("
                     application").'&app_task=jomres_plus_youtube';

                $ctr=1;
                $div="";

                $query  = "SELECT url FROM #__jomresplus_youtube";
                $result = doSelectSql( $query );
                foreach ($result as $r) {
                        $temp = $r->url;
                        $div = "<div>
                                <input type='text' name='field_name[]' value='$temp'/>
                                <a href='javascript:void(0);' class='add_button' title='Add field'>
                                     Add</a> <a href='javascript:void(0);' class='remove_button'
                                     title='Remove field'>Remove</a>
                        </div>" . $div;
                        $ctr++;
                }

                $output['DIV'] = $div;

                $pageoutput[]=$output;
                $tmpl = new patTemplate();
                $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                $tmpl->readTemplatesFromInput( 'admin_application_index.html' );
                $tmpl->addRows( 'pageoutput', $pageoutput );
                $this->ret_vals = $tmpl->getParsedTemplate();
                }

        function touch_template_language()
                {
```

```
$output=array();

$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_PAYMENT_REMINDER);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_PAYMENT_REMINDER_EMAIL',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_PAYMENT_REMINDER_EMAIL);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_ENABLED',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_ENABLED);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_DISABLED',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_DISABLED);

$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID_BOOKINGS',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_CANCEL_UNPAID_BOOKINGS);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_AUTOMATIC',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_AUTOMATIC);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_MANUAL',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_MANUAL);

$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_REVIEW_REMINDER',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_REVIEW_REMINDER);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_REVIEW_REMINDER_EMAIL',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEND_REVIEW_REMINDER_EMAIL);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_APPLY',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_APPLY);

$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_CSV',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_CSV);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_CSV_DATA',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_CSV_DATA);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_TEXT',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_EXPORT_TEXT);

$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE_VIDEO',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE_VIDEO);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE_VIDEO_URL',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT_YOUTUBE_VIDEO_URL);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_INSERT);

$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_MINUTES',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_MINUTES);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_HOURS',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_HOURS);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_DAYS',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_DAYS);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_WEEKS',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_WEEKS);

$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_ONE',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_ONE);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWO',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWO);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_THREE',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_THREE);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_FOUR',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_FOUR);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_FIVE',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_FIVE);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SIX',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_SIX);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEVEN',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEVEN);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EIGHT',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_EIGHT);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_NINE',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_NINE);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TEN',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_TEN);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_ELEVEN',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_ELEVEN);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWELVE',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWELVE);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_THIRTEEN',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_THIRTEEN);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_FOURTEEB',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_FOURTEEN);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_FIFTEEN',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_FIFTEEN);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SIXTEEN',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_SIXTEEN);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEVENTEEN',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_SEVENTEEN);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_EIGHTEEN',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_EIGHTEEN);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_NINETEEN',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_NNETEEN);
$output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTY',
    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTY);
```

```
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYONE',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYONE);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYTWO',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYTWO);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYTHREE',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYTHREE);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYFOUR',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYFOUR);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYFIVE',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYFIVE);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYSIX',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYSIX);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYSEVEN',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYSEVEN);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYEIGHT',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYEIGHT);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYNINE',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_TWENTYNINE);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_THIRTY',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_THIRTY);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_FORTY',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_FORTY);
                $output[]=jr_gettext('_JOMRES_CUSTOMTEXT_JOMRES_PLUS_FIFTY',
                    _JOMRES_CUSTOMTEXT_JOMRES_PLUS_FIFTY);

                $output['LINKTO_EXPORT'] = JOMRES_SITEPAGE_URL_ADMIN.'&task='.get_showtime("
                    application").'&app_task=jomres_plus_export';

                $output['LINKTO_YOUTUBE'] = JOMRES_SITEPAGE_URL_ADMIN.'&task='.get_showtime("
                    application").'&app_task=jomres_plus_youtube';



                foreach ($output as $o)
                        {
                        echo $o;
                        echo "<br/>";
                        }
                }

        function getRetVals()
                {
                        return $this->ret_vals;
                }
        }

?>
```

56. jomres_plus/j16060jomres_plus_youtube.class.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j16060jomres_plus_youtube
        {
        function j16060jomres_plus_youtube()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=false; return;
                        }
                $output=array();
                $pageoutput = array();

                $field_values_array = $_REQUEST['field_name'];
                $query0 = "TRUNCATE #__jomresplus_youtube";
                doInsertSql($query0,"");
                foreach($field_values_array as $value){
                        $value = trim($value);
                        if(!empty($value)) {
                                $query1 = "INSERT INTO #__jomresplus_youtube (url) VALUES ('$value')
                                    ";
                                doInsertSql($query1,"");
                                $count++;
                        }
                }

                $output['HELLO'] = "Please check in the property details page if the URL is valid
                    and the video plays.";

                $output['LINKTO_YOUTUBE'] = JOMRES_SITEPAGE_URL_ADMIN.'&task='.get_showtime("
                    application").'&app_task=jomres_plus_youtube';
                $output['YOUTUBE_TEXT'] = "Click for task3";

                $pageoutput[]=$output;
                $tmpl = new patTemplate();
                $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                $tmpl->readTemplatesFromInput( 'admin_application_youtube.html' );
                $tmpl->addRows( 'pageoutput', $pageoutput );
```

```
                $this->ret_vals = $tmpl->getParsedTemplate();
                }

        function touch_template_language()
                {
                $output=array();

                $output['HELLO'] = $_POST["property_url"];

                $output['LINKTO_YOUTUBE'] = JOMRES_SITEPAGE_URL_ADMIN.'&task='.get_showtime("
                    application").'&app_task=jomres_plus_youtube';
                $output['YOUTUBE_TEXT'] = "Click for task3";

                foreach ($output as $o)
                        {
                        echo $o;
                        echo "<br/>";
                        }
                }

        function getRetVals()
                {
                return $this->ret_vals;
                }
        }

?>
```

57. jomres_plus/j16060send_cancel_unpaid.class.php

```
<?php

/**
Adapted from Aladar Barthi's
payment reminder cron job
*/

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j16060send_cancel_unpaid
        {
        function j16060send_cancel_unpaid()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=false; return;
                        }
                $output=array();
                $pageoutput = array();

                $days_set = $_POST["days"];
                $query1 = "UPDATE #__jomresplus_search SET days = ".$days_set." WHERE task = '
                    cancel_unpaid'";
                doInsertSql($query1, "");

                $query2="SELECT contract_uid,guest_uid,property_uid FROM #__jomres_contracts WHERE `
                    deposit_paid` = 0 AND
                                `cancelled` = 0 AND `timestamp` IS NOT NULL AND `tag` IS NOT NULL
                                    AND
                                DATEDIFF(DATE_FORMAT(NOW(), '%Y-%m-%d'), DATE_FORMAT(`timestamp`, '%
                                    Y-%m-%d')) >= ".$days_set." AND
                                DATEDIFF(DATE_FORMAT(NOW(), '%Y-%m-%d'), DATE_FORMAT(`timestamp`, '%
                                    Y-%m-%d')) <= ".($days_set+1)." ";
                $provisionalBookingsList=doSelectSql($query2);

                $tobecanceled=array();

                if (count(provisionalBookingsList)>0)
                        {
                        foreach ($provisionalBookingsList as $k)
                                {
                                $tobecanceled[]=$k->contract_uid;
                                $cuid=$k->contract_uid;
                                $guid=$k->guest_uid;
                                $puid=$k->property_uid;

                                $mrConfig=getPropertySpecificSettings($puid);

                                $query="SELECT email,firstname,surname,tel_landline,tel_mobile FROM
                                    #__jomres_guests WHERE guests_uid = ".(int)$guid." LIMIT 1";
                                $guestData=doSelectSql($query,2);

                                $query="SELECT property_name,property_town,property_email FROM #
                                    __jomres_propertys WHERE propertys_uid = ".(int)$puid." LIMIT
                                    1";
                                $propertyData=doSelectSql($query,2);

                                $query="SELECT arrival,departure,contract_total,deposit_required,tag
                                     FROM #__jomres_contracts WHERE contract_uid = '".(int)$cuid."'
                                     LIMIT 1 ";
```

```
                        $bData=doSelectSql($query,2);

                        $arr=$bData['arrival'];
                        $dep=$bData['departure'];
                        $tot=$bData['contract_total'];
                        $deposit=$bData['deposit_required'];
                        $tag=$bData['tag'];

                        $saveMessage=jr_gettext('
                             _JOMRES_CUSTOMTEXT_CANCEL_UNPAID_EMAIL_TITLE',
                             _JOMRES_CUSTOMTEXT_CANCEL_UNPAID_EMAIL_TITLE,FALSE).' '.
                             $propertyData['property_name'];
                        $output['ARRIVAL']=$arr;
                        $output['DEPARTURE']=$dep;
                        $output['TOTAL']=$mrConfig['currencyCode']." ".number_format($tot,2)
                             ;
                        $output['HARRIVAL']=jr_gettext('_JOMRES_COM_MR_VIEWBOOKINGS_ARRIVAL
                             ',_JOMRES_COM_MR_VIEWBOOKINGS_ARRIVAL,FALSE);
                        $output['HDEPARTURE']=jr_gettext('
                             _JOMRES_COM_MR_VIEWBOOKINGS_DEPARTURE',
                             _JOMRES_COM_MR_VIEWBOOKINGS_DEPARTURE,FALSE);
                        $output['HTOTAL']=jr_gettext('_JOMRES_COM_MR_EB_PAYM_CONTRACT_TOTAL
                             ',_JOMRES_COM_MR_EB_PAYM_CONTRACT_TOTAL,FALSE);
                        $output['DEAR']=jr_gettext('_JOMRES_COM_CONFIRMATION_DEAR',
                             _JOMRES_COM_CONFIRMATION_DEAR,FALSE);
                        $output['GUESTFIRSTNAME']=$guestData['firstname'];
                        $output['GUESTLASTNAME']=$guestData['surname'];
                        $output['BODY1']=jr_gettext('
                             _JOMRES_CUSTOMTEXT_CANCEL_UNPAID_EMAIL_BODY1',
                             _JOMRES_CUSTOMTEXT_CANCEL_UNPAID_EMAIL_BODY1,FALSE,FALSE).' '.
                             $propertyData['property_name'].".";
                        $output['HBOOKINGNO']=jr_gettext('_JOMRES_BOOKING_NUMBER',
                             _JOMRES_BOOKING_NUMBER,FALSE,FALSE);
                        $output['BOOKINGNO']=$tag;
                        $output['HDEPOSIT']                =        jr_gettext('
                             _JOMRES_COM_MR_EB_PAYM_DEPOSITREQUIRED',
                             _JOMRES_COM_MR_EB_PAYM_DEPOSITREQUIRED);
                        $output['DEPOSIT']=$mrConfig['currencyCode']." ".number_format(
                             $deposit,2);
                        $output['BODY2']=jr_gettext('
                             _JOMRES_CUSTOMTEXT_CANCEL_UNPAID_EMAIL_BODY2',
                             _JOMRES_CUSTOMTEXT_CANCEL_UNPAID_EMAIL_BODY2,FALSE,FALSE).' '.
                             $mrConfig['currencyCode']." ".number_format($deposit,2).
                             jr_gettext('_JOMRES_CUSTOMTEXT_CANCEL_UNPAID_EMAIL_BODY3',
                             _JOMRES_CANCEL_UNPAID_EMAIL_MSGBODY3,FALSE,FALSE);
                        $output['DAYSSET'] = $days_set;

                        $pageoutput[]=$output;
                        $tmpl = new patTemplate();
                        $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                        $tmpl->readTemplatesFromInput( 'cancel_unpaid_email.html');
                        $tmpl->addRows( 'pageoutput',$pageoutput);
                        $text=$tmpl->getParsedTemplate();

                        if (!jomresMailer($guestData['email'], $propertyData['property_name
                             '].' - '.$propertyData['property_town'], $propertyData['
                             property_email'], "(Copy of) ".$saveMessage, $text,$mode=1))
                                error_logging('Failure in sending canceled unpaid booking
                                     email to admin. Target address: '.$propertyData['
                                     property_email'].' Subject: '.$text);
                        if (!jomresMailer( $propertyData['property_email'], $propertyData['
                             property_name'].' - '.$propertyData['property_town'],
                             $guestData['email'], $saveMessage, $text,$mode=1))
                                error_logging('Failure in sending canceled unpaid booking
                                     email to guest. Target address: '.$guestData['email'].'
                                      Subject: '.$text);
                        unset($pageoutput);
                        unset($guestData['email']);
                        }
                }
if (count($tobecanceled) > 0)
                {
                foreach($tobecanceled as $key => $value)
                        {
                        $temp[] = $value;
                        }

                $tobecanceledList = implode(",",$temp);
                if (count($tobecanceledList)>0)
                        {
                        $query="UPDATE #__jomres_contracts SET `cancelled`='1', `
                             cancelled_timestamp`= DATE_FORMAT(NOW(), '%Y-%m-%d %T'), `
                             cancelled_reason`='unable to pay deposit' WHERE contract_uid IN
                              (".$tobecanceledList.") ";
                        if (!doInsertSql($query,""))
                                trigger_error ("Unable to update canceled unpaid booking
                                     data, mysql db failure", E_USER_ERROR);
                        }
                }


$output['CONFIRM'] = "An email is sent to ".count($tobecanceledList)." guest/s
```

```
                        about the cancelled booking because of the inability to pay within ".$days_set
                        ." day/s.";

                $pageoutput[]=$output;
                $tmpl2 = new patTemplate();
                $tmpl2->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                $tmpl2->readTemplatesFromInput( 'admin_cancel_unpaid_sent.html' );
                $tmpl2->addRows( 'pageoutput', $pageoutput );
                $this->ret_vals = $tmpl2->getParsedTemplate();
                }

        function touch_template_language()
                {
                $output=array();

                $output['HELLO'] = $_POST["property_url"];

                $output['LINKTO_YOUTUBE'] = JOMRES_SITEPAGE_URL_ADMIN.'&task='.get_showtime("
                        application").'&app_task=send_cancel_unpaid';
                $output['YOUTUBE_TEXT'] = "Click for task3";

                foreach ($output as $o)
                        {
                        echo $o;
                        echo "<br/>";
                        }
                }

        function getRetVals()
                {
                return $this->ret_vals;
                }
        }

?>
```

58. jomres_plus/j16060send_payment_reminder.class.php

```
<?php

/**
Adapted from Aladar Barthi's
payment reminder cron job
*/

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j16060send_payment_reminder
        {
        function j16060send_payment_reminder()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=false; return;
                        }
                $output=array();
                $pageoutput = array();

                $days_set = $_POST["days"];
                $query1 = "UPDATE #__jomresplus_search SET days = ".$days_set." WHERE task = '
                        payment_reminder'";
                doInsertSql($query1, "");

                $query2="SELECT contract_uid,guest_uid,property_uid FROM #__jomres_contracts WHERE `
                        deposit_paid` = 0 AND
                                `cancelled` = 0 AND `cot_required` = 0 AND `timestamp` IS NOT NULL
                                        AND `tag` IS NOT NULL AND
                                DATEDIFF(DATE_FORMAT(NOW(), '%Y-%m-%d'), DATE_FORMAT(`timestamp`, '%
                                        Y-%m-%d')) >= ".$days_set." AND
                                DATEDIFF(DATE_FORMAT(NOW(), '%Y-%m-%d'), DATE_FORMAT(`timestamp`, '%
                                        Y-%m-%d')) <= ".($days_set+1)." ";
                $provisionalBookingsList=doSelectSql($query2);

                $tobereminded=array();

                if (count(provisionalBookingsList)>0)
                        {
                        foreach ($provisionalBookingsList as $k)
                                {
                                $tobereminded[]=$k->contract_uid;
                                $cuid=$k->contract_uid;
                                $guid=$k->guest_uid;
                                $puid=$k->property_uid;

                                $mrConfig=getPropertySpecificSettings($puid);

                                $query="SELECT email,firstname,surname,tel_landline,tel_mobile FROM
                                        #__jomres_guests WHERE guests_uid = ".(int)$guid." LIMIT 1";
                                $guestData=doSelectSql($query,2);
```

```
                        $query="SELECT property_name,property_town,property_email FROM #
                            __jomres_propertys WHERE propertys_uid = ".(int)$puid." LIMIT
                            1";
                        $propertyData=doSelectSql($query,2);

                        $query="SELECT arrival,departure,contract_total,deposit_required,tag
                             FROM #__jomres_contracts WHERE contract_uid = '".(int)$cuid."'
                             LIMIT 1 ";
                        $bData=doSelectSql($query,2);

                        $arr=$bData['arrival'];
                        $dep=$bData['departure'];
                        $tot=$bData['contract_total'];
                        $deposit=$bData['deposit_required'];
                        $tag=$bData['tag'];

                        $saveMessage=jr_gettext('
                            _JOMRES_CUSTOMTEXT_PAYMENT_REMINDER_EMAIL_TITLE',
                            _JOMRES_PAYMENT_REMINDER_EMAIL_TITLE,FALSE).' '.$propertyData['
                            property_name'];
                        $output['ARRIVAL']=$arr;
                        $output['DEPARTURE']=$dep;
                        $output['TOTAL']=$mrConfig['currencyCode']." ".number_format($tot,2)
                            ;
                        $output['HARRIVAL']=jr_gettext('_JOMRES_COM_MR_VIEWBOOKINGS_ARRIVAL
                            ',_JOMRES_COM_MR_VIEWBOOKINGS_ARRIVAL,FALSE);
                        $output['HDEPARTURE']=jr_gettext('
                            _JOMRES_COM_MR_VIEWBOOKINGS_DEPARTURE',
                            _JOMRES_COM_MR_VIEWBOOKINGS_DEPARTURE,FALSE);
                        $output['HTOTAL']=jr_gettext('_JOMRES_COM_MR_EB_PAYM_CONTRACT_TOTAL
                            ',_JOMRES_COM_MR_EB_PAYM_CONTRACT_TOTAL,FALSE);
                        $output['DEAR']=jr_gettext('_JOMRES_COM_CONFIRMATION_DEAR',
                            _JOMRES_COM_CONFIRMATION_DEAR,FALSE);
                        $output['GUESTFIRSTNAME']=$guestData['firstname'];
                        $output['GUESTLASTNAME']=$guestData['surname'];
                        $output['BODY1']=jr_gettext('
                            _JOMRES_CUSTOMTEXT_PAYMENT_REMINDER_EMAIL_BODY1',
                            _JOMRES_CUSTOMTEXT_PAYMENT_REMINDER_EMAIL_BODY1,FALSE,FALSE).'
                            '.$propertyData['property_name']."."
                        $output['HBOOKINGNO']=jr_gettext('_JOMRES_BOOKING_NUMBER',
                            _JOMRES_BOOKING_NUMBER,FALSE,FALSE);
                        $output['BOOKINGNO']=$tag;
                        $output['HDEPOSIT']                =        jr_gettext('
                            _JOMRES_COM_MR_EB_PAYM_DEPOSITREQUIRED',
                            _JOMRES_COM_MR_EB_PAYM_DEPOSITREQUIRED);
                        $output['DEPOSIT']=$mrConfig['currencyCode']." ".number_format(
                            $deposit,2);
                        $output['BODY2']=jr_gettext('
                            _JOMRES_CUSTOMTEXT_PAYMENT_REMINDER_EMAIL_BODY2',
                            _JOMRES_CUSTOMTEXT_PAYMENT_REMINDER_EMAIL_BODY2,FALSE,FALSE).'
                            '.$mrConfig['currencyCode']." ".number_format($deposit,2).
                            jr_gettext('_JOMRES_CUSTOMTEXT_PAYMENT_REMINDER_EMAIL_BODY3',
                            _JOMRES_PAYMENT_REMINDER_EMAIL_MSGBODY3,FALSE,FALSE);

                        $pageoutput[]=$output;
                        $tmpl = new patTemplate();
                        $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                        $tmpl->readTemplatesFromInput( 'payment_reminder_email.html');
                        $tmpl->addRows( 'pageoutput',$pageoutput);
                        $text=$tmpl->getParsedTemplate();

                        if (!jomresMailer($guestData['email'], $propertyData['property_name
                            '].' - '.$propertyData['property_town'], $propertyData['
                            property_email'], "(Copy of) ".$saveMessage, $text,$mode=1))
                                error_logging('Failure in sending payment reminder email to
                                    admin. Target address: '.$propertyData['property_email
                                    '].' Subject: '.$text);
                        if (!jomresMailer( $propertyData['property_email'], $propertyData['
                            property_name'].' - '.$propertyData['property_town'],
                            $guestData['email'], $saveMessage, $text,$mode=1))
                                error_logging('Failure in sending payment reminder email to
                                    guest. Target address: '.$guestData['email'].' Subject:
                                     '.$text);
                        unset($pageoutput);
                        unset($guestData['email']);
                        }
                }
if (count($tobereminded) > 0)
        {
        foreach($tobereminded as $key => $value)
                {
                $temp[] = $value;
                }

        $toberemindedList = implode(",",$temp);
        if (count($toberemindedList)>0)
                {
                $query="UPDATE #__jomres_contracts SET `cot_required`='1' WHERE
                    contract_uid IN (".$toberemindedList.") ";
                if (!doInsertSql($query,""))
                        trigger_error ("Unable to update payment reminder data,
                            mysql db failure", E_USER_ERROR);
```

```
                                }
                        }

                $output['CONFIRM'] = "A payment reminder email is sent to ".count($toberemindedList)
                        ." guest/s who made provisional bookings that are not paid within ".$_POST["
                        days"]." day/s.";

                $pageoutput[]=$output;
                $tmpl2 = new patTemplate();
                $tmpl2->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                $tmpl2->readTemplatesFromInput( 'admin_payment_reminder_sent.html' );
                $tmpl2->addRows( 'pageoutput', $pageoutput );
                $this->ret_vals = $tmpl2->getParsedTemplate();
                }

        function touch_template_language()
                {
                $output=array();

                $output['HELLO'] = $_POST["property_url"];

                $output['LINKTO_YOUTUBE'] = JOMRES_SITEPAGE_URL_ADMIN.'&task='.get_showtime("
                        application").'&app_task=send_payment_reminder';
                $output['YOUTUBE_TEXT'] = "Click for task3";

                foreach ($output as $o)
                        {
                        echo $o;
                        echo "<br/>";
                        }
                }

        function getRetVals()
                {
                return $this->ret_vals;
                }
        }

?>
```

59. jomres_plus/j16060send_review_reminder.class.php

```
<?php

/**
Adapted from Aladar Barthi's
payment reminder cron job
*/

defined( '_JOMRES_INITCHECK' ) or die( '' );

class j16060send_review_reminder
        {
        function j16060send_review_reminder()
                {
                $MiniComponents =jomres_getSingleton('mcHandler');
                if ($MiniComponents->template_touch)
                        {
                        $this->template_touchable=false; return;
                        }
                $output=array();
                $pageoutput = array();

                $days_set = $_POST["days"];
                $query1 = "UPDATE #__jomresplus_search SET days = ".$days_set." WHERE task = '
                        review_reminder'";
                doInsertSql($query1, "");

                $query2="SELECT contract_uid,guest_uid,property_uid FROM #__jomres_contracts WHERE `
                        deposit_paid` = 1 AND
                                `cancelled` = 0 AND `cot_required` != 2 AND `timestamp` IS NOT NULL
                                        AND `tag` IS NOT NULL AND
                                DATEDIFF(DATE_FORMAT(NOW(), '%Y-%m-%d'), DATE_FORMAT(`departure_time
                                        `, '%Y-%m-%d')) >= ".$days_set." AND
                                DATEDIFF(DATE_FORMAT(NOW(), '%Y-%m-%d'), DATE_FORMAT(`departure_time
                                        `, '%Y-%m-%d')) <= ".($days_set+1)." ";
                $provisionalBookingsList=doSelectSql($query2);

                $toberemindedl=array();

                if (count(provisionalBookingsList)>0)
                        {
                        foreach ($provisionalBookingsList as $k)
                                {
                                $toberemindedl[]=$k->contract_uid;
                                $cuid=$k->contract_uid;
                                $guid=$k->guest_uid;
                                $puid=$k->property_uid;

                                $mrConfig=getPropertySpecificSettings($puid);
```

```
                        $query="SELECT email,firstname,surname,tel_landline,tel_mobile FROM
                            #__jomres_guests WHERE guests_uid = ".(int)$guid." LIMIT 1";
                        $guestData=doSelectSql($query,2);

                        $query="SELECT property_name,property_town,property_email FROM #
                            __jomres_propertys WHERE propertys_uid = ".(int)$puid." LIMIT
                            1";
                        $propertyData=doSelectSql($query,2);

                        $query="SELECT arrival,departure,contract_total,deposit_required,tag
                             FROM #__jomres_contracts WHERE contract_uid = '".(int)$cuid."'
                             LIMIT 1 ";
                        $bData=doSelectSql($query,2);

                        $arr=$bData['arrival'];
                        $dep=$bData['departure'];
                        $tot=$bData['contract_total'];
                        $deposit=$bData['deposit_required'];
                        $tag=$bData['tag'];

                        $saveMessage=jr_gettext('
                            _JOMRES_CUSTOMTEXT_REVIEW_REMINDER_EMAIL_TITLE',
                            _JOMRES_CUSTOMTEXT_REVIEW_REMINDER_EMAIL_TITLE,FALSE).' '.
                            $propertyData['property_name'];
                        $output['ARRIVAL']=$arr;
                        $output['DEPARTURE']=$dep;
                        $output['TOTAL']=$mrConfig['currencyCode']." ".number_format($tot,2)
                            ;
                        $output['HARRIVAL']=jr_gettext('_JOMRES_COM_MR_VIEWBOOKINGS_ARRIVAL
                            ',_JOMRES_COM_MR_VIEWBOOKINGS_ARRIVAL,FALSE);
                        $output['HDEPARTURE']=jr_gettext('
                            _JOMRES_COM_MR_VIEWBOOKINGS_DEPARTURE',
                            _JOMRES_COM_MR_VIEWBOOKINGS_DEPARTURE,FALSE);
                        $output['HTOTAL']=jr_gettext('_JOMRES_COM_MR_EB_PAYM_CONTRACT_TOTAL
                            ',_JOMRES_COM_MR_EB_PAYM_CONTRACT_TOTAL,FALSE);
                        $output['DEAR']=jr_gettext('_JOMRES_COM_CONFIRMATION_DEAR',
                            _JOMRES_COM_CONFIRMATION_DEAR,FALSE);
                        $output['GUESTFIRSTNAME']=$guestData['firstname'];
                        $output['GUESTLASTNAME']=$guestData['surname'];
                        $output['BODY1']=jr_gettext('
                            _JOMRES_CUSTOMTEXT_REVIEW_REMINDER_EMAIL_BODY1',
                            _JOMRES_CUSTOMTEXT_REVIEW_REMINDER_EMAIL_BODY1,FALSE,FALSE).'
                            '.$propertyData['property_name']."."";
                        $output['HBOOKINGNO']=jr_gettext('_JOMRES_BOOKING_NUMBER',
                            _JOMRES_BOOKING_NUMBER,FALSE,FALSE);
                        $output['BOOKINGNO']=$tag;
                        $output['HDEPOSIT']                =        jr_gettext('
                            _JOMRES_COM_MR_EB_PAYM_DEPOSITREQUIRED',
                            _JOMRES_COM_MR_EB_PAYM_DEPOSITREQUIRED);
                        $output['DEPOSIT']=$mrConfig['currencyCode']." ".number_format(
                            $deposit,2);
                        $output['BODY3']=jr_gettext('
                            _JOMRES_CUSTOMTEXT_REVIEW_REMINDER_EMAIL_BODY3',
                            _JOMRES_CUSTOMTEXT_REVIEW_REMINDER_EMAIL_BODY3,FALSE,FALSE);

                        $pageoutput[]=$output;
                        $tmpl = new patTemplate();
                        $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                        $tmpl->readTemplatesFromInput( 'review_reminder_email.html');
                        $tmpl->addRows( 'pageoutput',$pageoutput);
                        $text=$tmpl->getParsedTemplate();

                        if (!jomresMailer($guestData['email'], $propertyData['property_name
                            '].' - '.$propertyData['property_town'], $propertyData['
                            property_email'], "(Copy of) ".$saveMessage, $text,$mode=1))
                                error_logging('Failure in sending review reminder email to
                                    admin. Target address: '.$propertyData['property_email
                                    '].' Subject: '.$text);
                        if (!jomresMailer( $propertyData['property_email'], $propertyData['
                            property_name'].' - '.$propertyData['property_town'],
                            $guestData['email'], $saveMessage, $text,$mode=1))
                                error_logging('Failure in sending review reminder email to
                                    guest. Target address: '.$guestData['email'].' Subject:
                                     '.$text);
                        unset($pageoutput);
                        unset($guestData['email']);
                        }
                }
if (count($tobereminded) > 0)
                {
                foreach($tobereminded as $key => $value)
                        {
                        $temp[] = $value;
                        }

                $toberemindedList = implode(",",$temp);
                if (count($toberemindedList)>0)
                        {
                        $query="UPDATE #__jomres_contracts SET `cot_required`='2' WHERE
                            contract_uid IN (".$toberemindedList.") ";
                        if (!doInsertSql($query,""))
                                trigger_error ("Unable to update review reminder data, mysql
```

```
                                                db failure", E_USER_ERROR);
                                        }
                                }

                        $output['CONFIRM'] = "A review reminder email is sent to ".count($toberemindedList)
                             ." guest/s who checked out within ".$_POST["days"]." day/s.";

                        $pageoutput[]=$output;
                        $tmpl2 = new patTemplate();
                        $tmpl2->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                        $tmpl2->readTemplatesFromInput( 'admin_review_reminder_sent.html' );
                        $tmpl2->addRows( 'pageoutput', $pageoutput );
                        $this->ret_vals = $tmpl2->getParsedTemplate();
                        }

                function touch_template_language()
                        {
                        $output=array();

                        $output['HELLO'] = $_POST["property_url"];

                        $output['LINKTO_YOUTUBE'] = JOMRES_SITEPAGE_URL_ADMIN.'&task='.get_showtime("
                             application").'&app_task=send_review_reminder';
                        $output['YOUTUBE_TEXT'] = "Click for task3";

                        foreach ($output as $o)
                                {
                                echo $o;
                                echo "<br/>";
                                }
                        }

                function getRetVals()
                        {
                        return $this->ret_vals;
                        }
                }

        ?>
```

60. jomres_plus/j16070jomres_plus_foot.class.php

```
        <?php

        defined( '_JOMRES_INITCHECK' ) or die( '' );

        class j16070jomres_plus_foot
                {
                function j16070jomres_plus_foot()
                        {
                        $MiniComponents =jomres_getSingleton('mcHandler');
                        if ($MiniComponents->template_touch)
                                {
                                $this->template_touchable=false; return;
                                }
                        $output=array();
                        $pageoutput = array();

                        $pageoutput[]=$output;
                        $tmpl = new patTemplate();
                        $tmpl->setRoot( get_showtime('ePointFilepath').JRDS.'templates' );
                        $tmpl->readTemplatesFromInput( 'admin_application_foot.html' );
                        $tmpl->addRows( 'pageoutput', $pageoutput );
                        $tmpl->addRows( 'rows', $rows );
                        $this->ret_vals = $tmpl->getParsedTemplate();
                        }

                function touch_template_language()
                        {
                        $output=array();

                        foreach ($output as $o)
                                {
                                echo $o;
                                echo "<br/>";
                                }
                        }

                function getRetVals()
                        {
                        return $this->ret_vals;
                        }
                }

        ?>
```

61. jomres_plus/plugin_dependencies_check.php

```
        <?php
```

```
if (!defined('JOMRES_INSTALLER')) exit;

class plugin_check_dependencies
{
function plugin_check_dependencies()
{
$this->test_result = true;
$this->dependencies = array ( "jomres_plus_handler" );
foreach ($this->dependencies as $p)
{
if (!file_exists(JOMRESPATH_BASE."/remote_plugins/".$p."/plugin_info.php") )
$this->test_result = true;
}
}
}

?>
```

62. jomres_plus/plugin_exclusions_check.php

```
<?php

if (!defined('JOMRES_INSTALLER')) exit;

class plugin_check_exclusions
{
function plugin_check_exclusions()
{
$this->test_result = true;
$this->exclusions = array ( "jomres_plus_alternative" );
foreach ($this->exclusions as $p)
{
if (file_exists(JOMRESPATH_BASE."/remote_plugins/".$p."/plugin_info.php") )
$this->test_result = false;
}
}
}

?>
```

63. jomres_plus/plugin_info.php

```
<?php

defined( '_JOMRES_INITCHECK' ) or die( '' );

class plugin_info_jomres_plus
        {
        function plugin_info_jomres_plus()
                {
                $this->data=array(
                        "name"=>"jomres_plus",
                        "version"=>(float)"1",
                        "description"=> ' Adds and improves existing functionalities ',
                        "lastupdate"=>"2015/05/27",
                        "min_jomres_ver"=>"7.2.19",
                        "manual_link"=>'',
                        'change_log'=>'',
                        'highlight'=>'',
                        'image'=>'',
                        'demo_url'=>'',
                        "author"=>"Camille Occeno",
                        "authoremail"=>"crocceno@up.edu.ph",
                        );
                }
        }
?>
```

64. jomres_plus/plugin_install.php

```
<?php

if (!defined('JOMRES_INSTALLER')) exit;

$query1 = "CREATE TABLE IF NOT EXISTS `#__jomresplus_youtube` (
`id` int(11) NOT NULL auto_increment,
`url` varchar(2083),
PRIMARY KEY (id)
)";
doInsertSql($query1,"");
if(!doInsertSql($query1)) echo "Failed to run query: ".$query1."<br/>";

$query2 = "CREATE TABLE IF NOT EXISTS `#__jomresplus_search` (
`id` int(11) NOT NULL auto_increment,
`task` varchar(255),
`days` int(11),
PRIMARY KEY (id)
)";
doInsertSql($query2,"");
```

```
if(!doInsertSql($query2)) echo "Failed to run query: ".$query2."<br/>";

$query3 = "INSERT INTO #__jomresplus_search (task, days)
VALUES ('payment_reminder', 1), ('cancel_unpaid', 2), ('review_reminder', 1)";
doInsertSql($query3,"");
if(!doInsertSql($query3)) echo "Failed to run query: ".$query3."<br/>";

$query4 = "ALTER TABLE #__jomres_contracts
        ADD departure_time datetime";
doInsertSql($query4,"");

$query5 = "ALTER TABLE #__jomres_contracts
        ADD arrival_time datetime";
doInsertSql($query5,"");
//if(!doInsertSql($query4)) echo "Failed to run query: ".$query4."<br/>";

echo "ok";

?>
```

65. jomres_plus/plugin_uninstall.php

```
<?php
if (!defined('JOMRES_INSTALLER')) exit;

$query2="DELETE FROM #__jomresplus_search WHERE `task` = 'payment_reminder' ";
doInsertSql($query2,"");
$query3="DELETE FROM #__jomresplus_search WHERE `task` = 'cancel_unpaid' ";
doInsertSql($query3,"");
$query4="DELETE FROM #__jomresplus_search WHERE `task` = 'review_reminder' ";
doInsertSql($query4,"");
?>
```

XI. Acknowledgement

First of all, I would like to express my deepest and sincerest gratitude to my mom and dad for all the love and support they had showered on me through all these years. Without them, I'll always be absent or late for class. I thank them every morning for patiently waking me up, for cooking breakfast, for giving me money, for driving me to school, and for everything they've done. They have always given me the encouragement in attaining my goals towards the path of success. When I'm losing hope and faith in myself, they never get tired of reminding me to hold on and keep praying because I am still blessed and there are still a lot of opportunities to make up for my disappointments and nonfulfillment. With their guidance, I will strive even harder now in facing new challenges to come.

I'm thankful to my brother for helping me survive some school works even though he is younger. I would also like to thank him for playing video games with me since we were young. I don't have many playmates but even if it's just the two of us, all the games we played are memorable not only because we had fun but also most of them are the root of our disputes. If it wasn't for the superhero cartoons we watched when we were kids (until now, actually), I wouldn't pay any attention to what I'm interested with right now, i.e., superhero and action stuff.

I would also like to thank my best friend for more than a decade now for not forgetting me. We seldom see each other when we went to college but when we meet, we always have stories to share and laugh at. She never forgets to greet me and my family when it's my birthday, Christmas, New Year, Mother's Day, Father's Day, etc. Those simple messages mean so much to me because our friendship didn't just end in school.

I thank my closest high school friends and teachers as well as my school where I took my primary and secondary education. I'm grateful to my special friends when I was in my first year here in the university together with the rest of my blockmates for making our first and second semesters very memorable. Those countless laughter we shared are priceless.

Adjusting to a new set of people was very hard but with the help of my closest friends, it became easier and bearable. With them, I had seatmates in class, groupmates when there are lab activities or group MP's, lunch buddies, study group, movie pals, and most importantly, people who I can be myself and share innocent gossips (even though there's no such thing) and rants with.

I'm grateful to Block 12 ComSci 2011 for those meaningful four years we shared. I've learned a lot of card games because those were our favorite past time while waiting for our prof to come or after we eat. Together we experienced stress from going home late after our night class and pressure from projects, exams, and deadlines. It feels so relieving to have friends who are willing to help and are always there not just because they need something from you but because they have their stories to share.

I'm thankful to my adviser for helping me complete this SP and to my teachers and professors. I'm also grateful to the University of the Philippines Manila itself and to those staff and faculty members who love to do their work responsibly.

Last but foremost, I'm very thankful to the Lord for never giving up on me. He, together with all the angels and saints, is always there to guide me. I'm a pro at imperfections but he never forgets me. Even though at times I have some doubts, I know in my heart that I'm no good without Him.