University of the Philippines Manila

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A SOCIAL BOOKMARKING AND ANNOTATION TOOL

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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ACCEPTANCE SHEET

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i

Abstract

People nowadays use the Internet more frequently than they did before. One of the main reasons of web-use is for information gathering or researching. Since the web offers their users access to an array of information in different subject matters and with web-use varying from one person to another, an extensive range of web-based tools are strongly needed. Today, there are many applications that help in managing this problem in organization. Such tools facilitate Information Assimilation (IA) process thus grouping them into three categories namely: Web annotation, bookmarking and notetaking tools. Unfortunately, available applications do not offer all these actions or services. Most applications offer only two out of these three and some only offer them to its "premium members."

A Social Bookmarking and Annotation Tool caters to these limitations that other similar applications have. It provides all three of the mentioned Information Assimilation (IA) services. This tool has an online library wherein a user could view his saved objects, share it with others and even participate in discussions to find out related information more efficiently. Aside from that, the tool has an extension provided for Google Chrome users. Here one can annotate the current webpage and change the layout of the page into something easier to read.

Keywords: Bookmarking Tool, Annotation Tool, Google Chrome Extension, Tags

Contents

I. Introduction

II. Review of Related Literature

III. Theoretical Framework

IV. Design and Implementation

List of Figures

List of Tables

I. INTRODUCTION

A. Background of the Study

People today use the Internet more frequently than they did before. It is shown that one of the main reasons for web-use is for information gathering or researching. [1] The web offers their users access to an array of information in different subject matters. Because of this and due to web-use varying from one person to another, an extensive range of web-based tools are strongly needed. [2] These tools may be in the form of interface features provided by web-browsers. [1,3]

One of the said features is the bookmark functionality offered by almost all the web browsers. With each user's large collection of bookmarks, maintenance of these had become an issue. [3] Studies show that the current interface schemes do not address this problem. [3,4] Tools that will help in organization and personalization of these bookmarks are strongly needed. [1] Nonetheless, with the web technology present today, this problem could be attended to.

Tools that address to this problem are called bookmarking tools. These applications facilitate the Information Assimilation (IA) process that deals with gathering, editing and saving the user's Web information. [1,2]

There are many bookmarking tools that are now available. An example of this is Diigo. Aside from being a bookmarking tool, Diigo could also be considered as an annotation tool. It encourages collaborative learning and research feature. [1] This application could monitor each of their user by using information gathered from sites that they have selected, organized,

and categorized. [5] With that, a common use for Diigo is in academics. [1]. This application has been used by universities in different kinds of areas like teacher education, history and sociology. Diigo is usually used for share resources specific to course work.

Aside from Diigo, other bookmarking applications that have similar features include Delicious, Pocket (formerly Read it Later), Notefish and the Google Notebook. [5]

B. Statement of the Problem

It is clear that Internet users have an array of bookmarking applications to choose from. Although this is the case, users may still find it difficult to choose a suitable application for them for these applications do not cater to any specific kind of user. They are more of general purpose applications. [6]

As mentioned earlier, such applications facilitate the Information Assimilation (IA) process thus grouping them into three categories namely: Web annotation, bookmarking and notetaking tools. Services that correspond to these different tools are deemed useful to most of the internet users today.

Unfortunately, available applications do not offer all these actions or services. Applications offer only two out of these three most of the time. Other applications offer all three but are only available to "premium" users

Let's take some examples of social bookmarking tools to illustrate. First off is Delicious. Delicious is one of the most popular tools available and is being used since 2003. [7] Although this is the case, Delicious offers very minimal functionalities. It may only be categorize under a bookmarking tool. Delicious allows their users to save and organize their

bookmarks. [1] As useful as this feature may be, it is still insufficient for internet users today. With the information made available, users need more than just a tool to organize their bookmarks. A tool that would aid them retain significant information present on a page would be helpful.

Another popular example is Diigo. Unlike Delicious, Diigo offers more services. It could serve as a bookmarking tool and at the same time be a web annotation tool. Aside from saving and organizing bookmarks, this application allows users to highlight and add comments on the Web page itself. [1]

Since most of what the user needs is made available on the internet, prolonged hours of online reading could not be avoided. With that in mind, Diigo included a feature that would allow users to view a site in a simpler manner to promote less eye strain. Unfortunately, this feature is only made available for premium users. [8]

Lastly, let's look into Pocket (formerly Read it Later). Pocket offers the same bookmarking feature where in you can view the saved pages anywhere.[35] Pocket is also able to change the layout of the page into a simpler manner for free unlike Diigo. Although this is a plus factor, it's still unable to provide an annotation feature. Pocket doesn't allow highlighting and addition of notes on a page. [34]

All three applications offer features that are quite practical to most users. But, they still lack in areas concerning the narrowing down of available information on the Web. With that, tools that aid you find what you need faster would be helpful. [6] This could be done by giving out recommendations or by providing the user reviews and discussions regarding an online resource or a bookmark.

To conclude, an application that provides users with all the beneficial features mentioned (e.g bookmarking, web annotation and readable mode) and more (with annotation and online resource discussion) is very much essential.

C. Objectives

General Objective

The goal of the study is to create a general purpose bookmarking tool in the form of a web-browser application that would aid users in sharing, organizing and personalizing not only their bookmarks, but also certain web information to acquire ease in online researching. This application aims to promote social interaction to provide users with their needed resources easier and more efficiently.

Specific Objectives

Create a web browser extension that has:

1. A Bookmarking Feature
    a. Save web bookmarks to own library
    b. Edit current bookmark saved
    c. Add page description

2. An Organization Feature
    a. Update tags in saved bookmarks
    b. View page in readable mode (Remove advertisements, link to other articles and just focus on the article viewed)

3. An Annotation Feature

    a. Highlight text directly on the web page

    b. Save highlights on text for future viewing

    c. Delete highlights on text

    d. Filter highlighted texts according to there:

        i. Annotations

        ii. Tags

    e. Edit saved annotations

    f. Add notes

    g. Save added notes for future viewing

    h. Delete saved notes

Create an information system or user library that has:

1. A Sharing and Collaboration Feature

    a. Create a new user account

    b. Edit own profile

        i. Edit basic information

        ii. Change password of logged in user

    b. Follow other users

        i. View publicly saved bookmarks of users followed (Feed)

        ii. Add bookmarks from feed to own library

    c. Create a new group

    d. View recommended groups

    e. Join an existing group

       i.   Post bookmarks in group

     ii.   Post lists in a group

    iii.   Join discussion on bookmarks

        - Comment on a bookmark

        - Like a bookmark

    iv.   Join discussion on lists

        - Comment on a list

        - Like a list

2. A Bookmarking Feature

   a.   Save web bookmarks to own library

   b.   Update bookmarks saved in own library

3. An Organization Feature for Bookmarks

   a.   View saved and community bookmarks

   b.   Delete saved bookmarks

   c.   Update tags in saved bookmarks

   d.   Share bookmarks through

       i.   Facebook

     ii.   Twitter

    iii.   Email

   e.   Search publicly saved bookmarks

   f.   Group bookmarks according to personalized lists

   g.   Delete bookmark lists

   h.   Edit content of bookmark lists

      i.   Filter bookmarks

           i.   Privacy

          ii.   Lists

4. An Annotation Feature

    a.   Create new notes

    b.   Update existing notes

    c.   Add tags to notes

5. A Recommendation Feature for bookmarks

    a.   View recommended publicly saved bookmarks

    b.   Filter recommended publicly saved bookmarks

       i.   Rating

      ii.   Date

     iii.   Frequently visited

    c.   Save recommended bookmarks to account

D. Significance of the Study

With the internet being an extensive source of most of the information today, a tool that aids in the organization of such information is needed.

Most users utilize the internet for information gathering and researching. The bookmarking function of the web browser is used to save pages that are deemed relevant to one's study. Unfortunately, this functionality is quite insufficient. Bookmarking feature offered on Web browsers does not offer personalization to their users.

This application provides users with a tool that allows them to manage all their online resources. With the application's recommendation feature and with the discussions or comments for each resource, finding other related references is faster and more efficient. Also, sharing of information from one user to another is easier with the use of community based features such as joining groups and following other users.

E. Scope and Limitations

- Certain features such as the annotation and readable feature are only available if the extension is installed. These features can only be supported by Google Chrome browser.

- Features included in the user library could be accessed in any web browser.

- The readable mode for the extension is not applicable to URLs leading to images, ppt documents, PDF and other similar files.

- Annotations made in a bookmark could be viewed and edited by all logged in users using the extension.

- All URLs could be bookmarked.

- Sites that require login could not be annotated.

- Email messages could not be annotated.

- Predefined settings are made for the readable mode. It is not fully customizable.

- Only bookmarks and list shared in groups could be commented on, liked and reported by other users. Bookmarks and lists saved in personal accounts could not be commented on.

- A finite number of saved bookmarks and annotations would be allotted for each user to save on memory.

- Readable mode is limited to getting the text of the article only.

F. Assumptions

- Readable mode is always used on pages containing articles with a huge amount of text.
- The user for which you would share an annotated link also uses the application or has the extension installed.
- The content being annotated is on the page itself and is not contained in a frame pointing towards a different URL.

II. REVIEW OF RELATED LITERATURE

Nowadays, the use of the internet had become widespread. People now use the web more frequently with various intents. It is shown that one the most common use of the internet is with regards to information gathering, whatever information it may be. [1] They provide access to local and global documents and news, digital libraries, powerful search facilities, and shopping

and banking. Navigating the web has become such a central paradigm for human-computer interaction. [10] With web-use being different from one person to another and due to the large amount of information made available in the internet, an extensive range of web-based tools are strongly needed.[2] Interface features provided by web-browsers may be part of these said tools. [1,3]

One of the interface features that supports the growing number of web users is the bookmark functionality. This attribute allows the user to store the Uniform Resource Locator (URL) of chosen websites for easier access when needed. Although useful, it was noted that maintenance of these bookmarks had become a problem. Studies reveal that users build very large bookmark collections, and that the current interface schemes tend to make these bookmarks unmanageable. [3,4] Bookmark collection systems should have tools that will aid in the organization and personalization of their content. Fortunately, new applications were developed to address this problem. These applications facilitate the Information Assimilation (IA) process. Information Assimilation process refers to gathering, editing, annotating, organising, saving of Web information, and tracking ongoing Web work processes. [1,2]

Bookmarking tools provide more than just saving the URL of the websites. These tools provide additional options for better organization like the insertion of keywords. These keywords or tags are descriptive terms that can be used in navigation, filtering or search. [11, 12]

Other than bookmarking, these applications fall into two other main categories. It may focus on web annotating or on note taking. It is found out that users use a combination of these Web tools. But, the bookmarking tool is the one that deemed most effective. [1]

There are many bookmarking tools that are now available. Some of these applications include: Diigo, Delicious, Notefish and the Google Notebook. Regardless of the applications' similar purpose, they hold features that may appeal to some specific users.

Let's take Diigo for example. Diigo is a kind of Social Bookmarking System that encourages collaborative learning and research feature. Diigo has an attribute that allows saved bookmarks with their corresponding tags to be shared among users. The way that each user learns, thinks, and develops the knowledge are shown by this system through the use of information gathered from sites that they have selected, organized, and categorized. Because of this, Diigo is commonly use for academic purposes. Diigo has been used by universities in diverse fields like teacher education, history and sociology mainly for information sharing. This just shows that these tools are also helpful in a learning environment. [13]

Diigo and other similar applications can be considered as annotation tools aside from eingbookmarking tool. The meaning of the term 'annotation' may vary depending upon its context of use. Here, we define annotation as a comment or an explanatory note in a printed text. [14] These web annotation tools allow the users to personalize the documents they read

by allowing them to make notes or annotations directly on the webpage. Aside from this feature, Diigo also allows their users to highlight text while still on the page. These highlighted texts will still be there

Some of these tools use Document Object Model (DOM) Level 2 and Dynamic HTML for it to be possible. [4] Others systems use Extensible Markup Language (XML). Models that utilize the latter one allow users to cross-reference related annotations. [15]

Annotation tools may have a variety of uses. One of these is in relation to conducting researches. Researchers are now facing the strong need for querying, sharing and exchanging the data in a more efficient way to help improve their findings. Since local and global database schema structures are not very effective in this area, annotation tools come into play. [16] This kind of system provides researchers with the means to associate well-defined metadata or the annotations with related remote scientific data. [17]

As mentioned earlier, although these systems are beneficial, they are still inadequate in terms of leading the user to their needed resources. A recommender feature derived from the idea of recommender systems may be integrated to attend to these inadequacies. Related bookmarks would be recommended to the users. [18]

Alongside these two services offered by Diigo, additional features are also added. Diigo provides their users the ability to create lists of bookmarks where one can categorize and order bookmarks to one's preference. Such lists would allow more personalization to the URLs. This eases the burden of returning to sites in which one is interested. [19]

Diigo also take into consideration sharing information. Apart from the usual sharing through social bookmarking sites and annotated links, Diigo allows users to join or create groups. This allows all members of the group to have a central collection of information where each can contribute. [20]

Seeing as these mentioned features of Diigo (e.g bookmarking, annotation, lists and groups) are quite useful, it will be adapted to the proposed application together with their corresponding modifications.

The bookmarking and annotation tool to be created will also be of the general purpose kind. But even so, this tool would focus more on social interactions to help bring users appropriate resource easier and faster for a more efficient information gathering.

For the new application, members of the group would be more active. Aside from bookmarks, they could share lists that they have created. Members could now like and post a comment to a shared bookmark or list. This is to provide other members of the group a "review" on the shared bookmarks. Thus, they could tell swiftly if a particular resource is useful for them.

III. THEORETICAL FRAMEWORK

A. Information Assimilation Tools

Internet usage has become widespread these days. Studies show that research-motivated information gathering is a more frequent Web activity than undirected Web browsing. Web research or information gathering using the Web is defined to be an activity performed in order to compare, choose, or make decision on something; to supplement a future task; or to get inspired or get ideas [1]. With recent advances in computing technology and due to the increase in volume of available information, information overload has become a problem. Fortunately, new services on the Web are attempting to take advantage of this overload. Such services use computational and social resources to assist people in retrieving and assimilating information of different fields [16]. Information assimilation (IA) is described to be the process of consuming an information diet over time with the aim of staying informed or becoming informed. IA processes include collecting, editing, annotating, organising, revisitation, and sharing. Services that exhibit said processes are called information assimilation tools.

Information assimilation tools could be classified into three depending on their purpose.

The first type of information assimilation tool is designed for web annotations. An annotation is frequently defined as a comment or explanatory note in a printed text [10]. Web annotations are quite similar. Online web annotating tools allow users to make annotations on the page itself. These tools let their users add, modify or remove the information from the

Web in the form of a layer. Web annotating tools give the users the ability to interact with a Web application by manipulating the existing information in the form of layers [1].

The use of annotation tools provide us with many advantages. One advantage is that these tools help reduce the cognitive overload imposed to the users when they retrieve a document previously annotated. With the aid of annotations, it would be easy for users to look up what is significant or interesting for them in a certain document. This is so with the use of highlighted texts.

Typical annotation tools consist of three modules: the first is used to view existing annotations, the second to create new annotations and the third to store the annotations. These annotations are made up of two parts: an anchor which is used to locate the annotation in the document, and the attributes which include for instance a free comment and the author's name. For the project, inline annotation systems are the ones to be focused on. In this type annotation system, annotations are attached to a specific text in the document. This text would be highlighted text mentioned earlier [4].

The second type of information assimilation tool is for bookmarks. Bookmark is a function to store the Uniform Resource Locator (URL) in a place that can be retrieved by users when they are needed. Bookmarks can be divided into two sub-categories: online bookmarks, and offline bookmarks. Offline bookmarks are stored at the client side. The URLs saved in this kind of books could be retrieved even if they are not connected to the Internet. Offline bookmarks are the ones featured in web browsers. On the other hand, online bookmarks allow users to store the URL of Web pages which can be accessed from anywhere as long as an Internet connection is available. Tools that allow sharing of the URLs

are known as social bookmarking tools. They give their users the ability to organize, search and manage their URLs [1]. Online bookmarks will be addressed in the project.

As mentioned earlier, social bookmarking tools focus on storing URLs of Web pages. Although the project will only consider Web bookmarks, there are still other domains that such tools may be helpful. Some social bookmarking websites manages in the domain of scientific articles and research papers. These social reference managers, also known as social citation managers allow, users to store, organize, describe, and manage their collection of scientific references. Although general purpose tools could also be used for scientific references, social reference managers provide specialized features. Such features include article-specific metadata, creating reading lists, reading priorities, and export facilities for different formats such as BibTeX, RIS, and EndNote. Examples of social reference managers include CiteUlike, BibSonomy, and refbase.

Another domain that bookmarking tools may look into are on books. Social cataloging services allow users to store, describe, and manage books that they own or have read. These services may allow users to rate books, and to tag and review them for their own benefit and also for the benefit of other users. Examples include LibraryThing, Shelfari, aNobii, GoodReads, and WeRead [6].

Going back, the last category of assimilation tools is for notetaking. A notetaking tool aids users to collect a snippet of information from Web pages. Information snippets refer to components from within Web pages and these include texts, images, hyperlinks, etc. [1]

B. Browser Extensions

Browser extensions provide users additional functionalities that the browsers don't normally provide. Offered functionalities may range from customized news readers to online games. Extensions may also allow their users to tailor the browser's look and feel in several different formats. It may be noted that most of these add-ons are created by everyday people with a decent level of programming skill. Because of this, a good amount of the extensions are very practical and can be used to improve one's life on the web in a variety of areas [4].

These tools enhance the user interface in a way that is not directly related to the viewable content of Web pages [23]. Certain elements (like an Explorer Bar for Internet Explorer browsers) are added to default user interface to access the enhancements [24].

C. Recommender System

People are often required to make various choices even without sufficient knowledge or experience in a particular field. If this is the case, most people rely on recommendations given by others regarding the subject at hand. This just shows that recommendations had become an essential part of everyday lives.

Recommender systems used this social process as its basis. Such systems perform filtering to provide significant information to certain users depending on their needs and interests. This information may include movies, music, books, news, images, web pages and tools. [25]

This kind of system is often used in relation to e-commerce. Recommender systems aim to provide advice to users about items they might wish to purchase or examine. They assist the consumers in learning about new products and desirable ones among a number of choices. These recommendations will guide the users so that they would not get overwhelmed by all the information available. [26]

Aside from e-commerce, recommender systems are also being used in other areas. Information sharing through the use of bookmarking tools may be one of these possible areas of application. Some popular examples that currently use these systems include Google, Pandora and MovieLens.

Recommender systems use a number of approaches in making recommendations with those different fields. Such systems use these approaches as means of their classification. The first and the most well known type of recommender system is the collaborative- or social filtering type. This type of systems makes recommendations to their users based on similarities in overall behavioral patterns with other users.

Content-based is the next type of recommender systems . This kind of system is classifier systems derived from machine learning research. In this approach, as the name implies, the system analyses the content of the items being recommended. This is done primarily by relating the proximity of the selected items to others selected by the same user. Unlike the previous approaches, each user is treated individually in content-based systems. There is no assumption of group or community.

The third common type of recommender system is the one that uses knowledge about users and the corresponding items to pursue a knowledge-based approach to generating a

recommendation, reasoning about what items meet the user's requirements.[6] In this type of approach, the preference of the user is stated beforehand in order to make a recommendation. [26]

D. Information System

An information system is defined to be an interrelated set of components for collecting, storing, processing, and communicating information [27]. Organizations, mainly business firms, and individuals in the industry depend on information systems to manage their operations. These systems are the ones that assist in the organizations' planning, control, analysis, coordination and decision making [28]. An information system may be utilized in a number of ways depending on where it is being used and who is the one using it. For example, information systems are used by modern corporations to process financial accounts and manage human resources. Municipal governments use such systems to provide basic services to its citizens. On the other hand, individuals use information systems to study, shop, bank, and invest [27].

There are five main components that comprise an information system: computer hardware, software, databases, human resources, and procedures.

First, let's talk about the hardware component. Hardware, according to the Meriam-Webster Dictionary, is defined to be as the physical components that make up a computer system [29]. The hardware used vary depending on the scale an information system is used. For small firms, usually microcomputers, also called personal computers are exploited. The case is different for systems in large organizations. They typically employ multiple computer systems, from a few powerful mainframe machines and minicomputers to widely deployed

19

personal computers. Storage capacity and processing speed is also taken into considered in this component.

The software goes hand-in-hand with the hardware component. Software refers to the entire set of programs, procedures, and related documentation associated with a computer system [30]. Computer software falls into two broad classes: the system software and application software. The principal system software is known as the OS or the Operating System. It is the one in charge of managing the hardware, files, and other system resources and it provides a systematic and consistent means for controlling the computer. Application software is programs designed to handle specialized tasks; many of these programs are sold as ready-to-use packages. Again, the software to be use really depends on who will be using it and on what scale it is used. Often times, companies develop their own application software or customize existing packages to meet specific needs.

The next component of an information system is the database. Frequently, information systems are used primarily as a means of sharing databases. A database is a collection of interrelated data (records) organized so that individual records or groups of records can be retrieved that satisfy various criteria. Typical examples of databases include employee records and product catalogues. In this instance, the information system will hold a database of URLs for saved by each of its users.

Human resource is another vital element of an information system. People are responsible in making the information system itself. Technical personnel include development and operations managers, systems analysts and designers, computer

programmers, and computer operators. Also, people are the ones responsible in the success of a system. End-users must know how to utilize the capabilities of a given information system.

The last component of an information system is its procedures. Procedures may correspond to the guidelines or rules people follow for using, operating, and maintaining an information system [28]. All these will be part of the documentation. The said procedures will be helpful to the human resources component. [27]

It was mentioned that these components change depending on specific needs of an information system, on the scale of the system, who are the ones who use the system etc. Although systems have these varying conditions, it could still be classified into two major categories. More specific types of information system falls under these said categories. [28]

Operations support or operational support system is the first type of information systems. Systems at the operational level include those that involve processes wherein products are designed, marketed, produced, and delivered [27]. In a business type environment, the role of operations support systems is to efficiently process business transactions, control industrial process, support office communications and productivity, and update corporate databases. Operational support systems collect the information needed as a foundation for higher-level systems.

There are three subcategories under the operational support type. First of which is the transactions processing systems. Here, the systems record and process data resulting from the transactions. These transactions are then processed by either batch processing or real-time processing. The difference between the two methods of processing is with regards to their processing time. In batch processing, data are accumulated and would be processed

periodically. On the other hand, real-time processing data is processed immediately after a transaction occurs.

The second type of operation support is the process control system. These systems are responsible in monitoring and controlling physical processes.

Office automation is the last sub category of operational support systems. The goal of such systems is enhance office communications and productivity.

Information systems could also be classified under management support. Such IS focus on providing information and support for effective decision making by managers. Providing information and support for decision making by all levels of management is a complex task. In turn, there are many subtypes of information systems that falls under this category.

Management information system is the first subtype of management support. These systems provide information in the form of reports and displays.

Another type of management support system is the decision support. Decision support systems give direct computer support to managers during the decision-making process.

The last subtype is the executive information systems. They provide critical information in easy to use displays to top and middle management.

As mentioned earlier, one of the main components of an information system is its database. The use of such databases provides many advantages to an organization compared to when using the traditional file approach. [27] When the database approach is utilized,

problems regarding program-data dependence, duplication of data, data sharing limitations, lengthy development times and excessive program maintenance could be avoided.

To handle this database, a software referred to as Database Management System is needed. DBMS is a software system used to create, maintain, and provide controlled access to user databases [17].

There are four basic functions that can be done by all DBMS. Database Management System could create, modify and delete data structures (e.g. tables). They could add, modify and delete data inside those data structures DBMS also has the ability to retrieve data selectively and to generate reports based on those data [33].

There are four structural types of database management systems: hierarchical, network, relational, and object-oriented [24]. These types also correspond as models for databases. Model is defined to be the general logical structure in which records are stored within a database and the method used to establish relationships among the records [28].

The first model is the hierarchical structure. A hierarchical database is organized in pyramid fashion, like the branches of a tree extending downwards. Related fields are grouped together so that there are higher-level records and lower-level records. Hierarchical databases work by moving from the top down. A record search is conducted by starting at the top of the pyramid and working down through the tree from parent to child until the appropriate child record is found. In this structure, each child could be a parent having their own children underneath. The advantage of hierarchical databases is that they can be accessed and updated rapidly because the tree-like structure and the relationships between records are defined in advance. However, hierarchical structured databases also have its disadvantages. The

23

disadvantage of this type of database structure is that each child in the tree may have only one parent, and relationships or linkages between children are not allowed. This design limits the potential of the database. Adding a new field or record requires that the entire database be redefined.

A database may also have network as its model. Similar to hierarchical databases, network databases also have a hierarchical structure. But still, there are a few key differences. A network database may be graphed like cobweb or interconnected network of records instead of looking like an inverse tree. Unlike the previous model, each child or member in a network database can have more than one parent. They are considered more flexible due to this feature.

Other than hierarchical and network, database may be of a relational type. In this model, the relationship between data files is relational, not hierarchical. Relational databases connect data in different files by using common data elements or a key field. The data in this type of database is stored in different tables each having their own unique key or primary field. Relational databases are much flexible compared to the two previous models. It is also model commonly used. There are two main reasons for its popularity. First, relational databases can be used with little or no training. Second, database entries can be modified without redefining the entire structure. Although it exhibits these advantages, it still has its downside. Searching for data in a relational database can take more time than if other methods are used.

The last database model is called object-oriented. Compared to other models, object-oriented databases could handle many new data types. This kind of database can be used to

keep data from a variety of media sources, such as photographs and text, and produce work, as output, in a multimedia format. They store this data into objects; hence the name of the model. Just like other database models, object-oriented database has its own advantages and disadvantages. One disadvantage of the said model is that it is quite costly to develop. Although this is the case, object-oriented model still has a huge advantage over the others. The ability to create new objects out of existing ones and reuse them provides one's database an incredible multimedia capability. [33]

IV. DESIGN AND IMPLEMENTATION

Overview

This is a general purpose bookmarking tool in the form of a web-browser application that would aid users in sharing, organizing and personalizing not only their bookmarks, but also certain web information to acquire ease in online researching. It promotes social interaction to provide users with their needed resources easier and more efficiently.

Site Registration and Installation of Extension

To enjoy all the features of the bookmarking and annotation tool, two processes must be done: register for an account and install the browser extension. Registration is done in the Online Library side of the tool. The user must fill up the necessary information in the form and they are all set. The accounts made will be saved in the database. After registration, the user must log in to enjoy the features of both the extension and the online library.

Online Library (Information System)

Basically, essential features are offered in the tool's information system. The site will guide the user on the steps he/she needs to do to accomplish the functionality chosen.

- Addition of Bookmarks and Notes

After deciding on the object you wish to add, the site leads you the corresponding form for each. Once it is filled up, the bookmark, notes or lists are added to their tables in the database. This could then be accessed for the user's future use.

Saved objects of all the users of this tool are stored in one location. Identification ids corresponding to the user who saved that bookmark is used to identify to whom they belong to.

These bookmarks and notes can be accessed only by the users who saved them or by other users depending on their settings or if it is shared in a group.

- Join a group or follow another user

Similar to bookmarks and notes, groups and users are stored in the server in their appropriate tables. To join a group, the user must ask permission to the administrator of that group. If the group is set to public, then there's no need to wait for the moderator's confirmation. The case is different if you want to follow a user. To do so, all you need is to click on the follow user button and you could see their public feeds immediately.

The visibility of the bookmarks and notes shared are still dependent on the privacy set by the one who shared them.

- Recommended Objects

Recommendations of certain objects depend on the tags that the user stored. The system returns those objects in the database that have the same tag.

A. Entity-Relationship Diagram

Figure 1 shows the relationship of each table used in the mentioned features. It also contains the tables used for data storage collected in the extension..
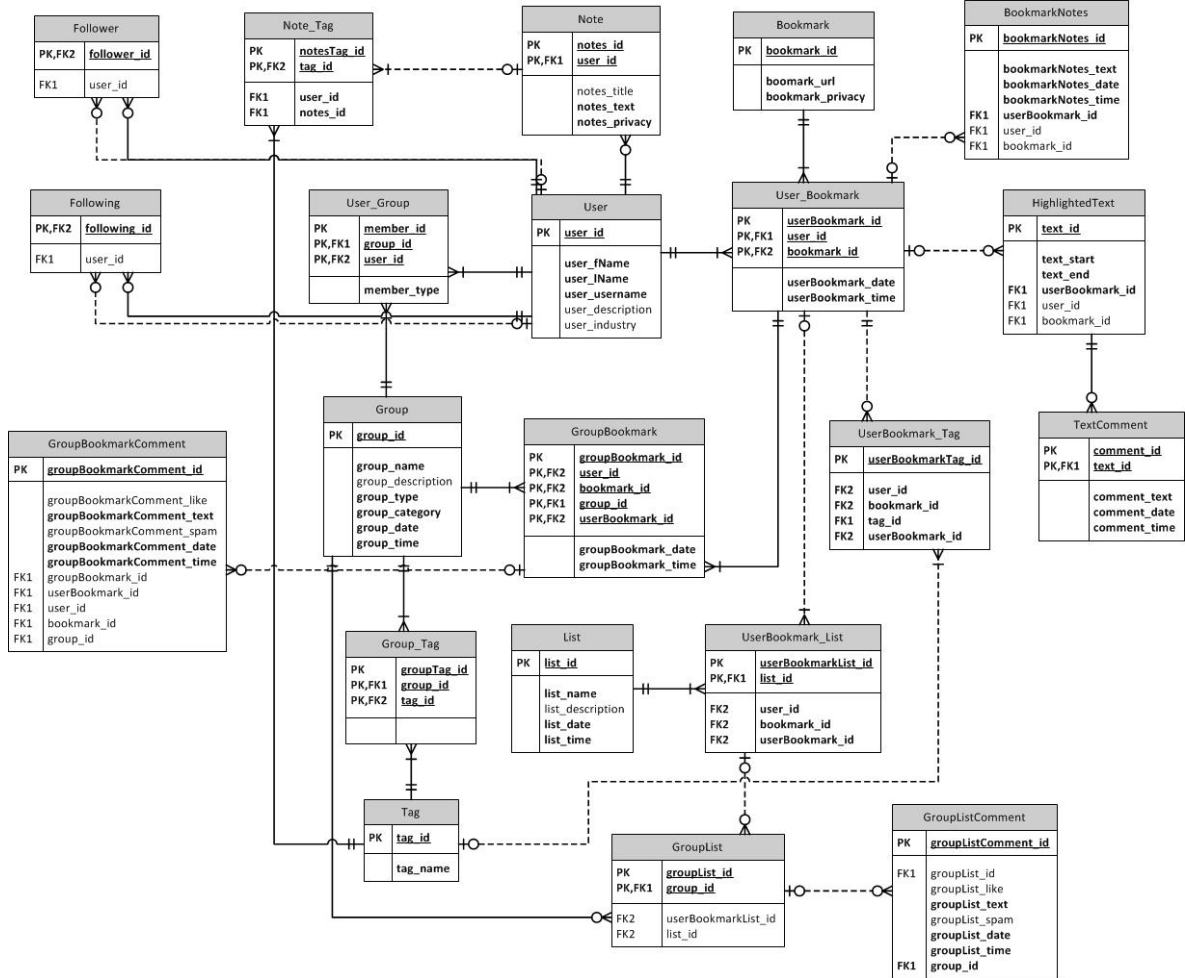
Figure 1. Entity Relationship Diagram for Bookmarking Server

B. Data Dictionary

The tables below are the detailed description of the fields present in the entities of the online library.

Field	Field Type	Description
user_id	Integer	primary key of User table
user_firstname	varchar (50)	first name of the User
user_lastname	varchar (50)	last name of the User
user_username	varchar (50)	username of the User
user_description	varchar (300)	user description ("about me")

Table 1. User: Contains information about the users of the application

Field	Field Type	Description
usergroup_id	integer	primary key of User _Group table
group_id	varchar (50)	foreign key from group table that links the user to where it is a member of
user_id	varchar (50)	foreign key from user table that holds the information of the user belonging to that group
usergroup_type	varchar (50)	may determine if the user is a moderator or an ordinary member

Table 2. User_ Group: Contains information about the users that belong to a group

Field	Field Type	Description
group_id	integer	primary key of Group table
group_name	varchar (50)	name of the group
group_description	varchar (300)	description or explanation on what the groups about
group_type	varchar (50)	may determine if the group is a public or private
group_category	varchar (50)	area wherein the group focuses on
group_date	varchar (10)	date the group is created
group_time	varchar (10)	time the group is created

Table 3. Group: Contains information about the users a specifc group

Field	Field Type	Description
grouptag_id	integer	primary key of Group_Tag table
group_id	integer	foreign key from group table that links a group to a corresponding tag
tag_id	integer	foreign key from tag table that links the tag to the corresponding group

Table 4. Group_Tag: Contains information about the tags corresponding to a group

Field	Field Type	Description
groupbookmark_id	integer	primary key of GroupBookmark table
groupbookmark_date	varchar(10)	date the bookmark is added to the group
groupbookmark_time	varchar(10)r	time the bookmark is added to the group
user_id	integer	foreign key from User_Bookmark table corresponding to the user added the bookmark to te group
bookmark_id	integer	foreign key from User_Bookmark table corresponding to the bookmark added
group_id	integer	foreign key from group table corresponding to the user added the bookmark to the group
groupbookmark_title	varchar(50)	title of a bookmark posted in a group

Table 5. group_bookmark: Contains bookmarks shared in a group

Field	Field Type	Description
notes_id	Integer	primary key of Note table
user_id	Integer	foreign key from User table corresponding to the user who created the note
note_title	varchar(30)	title of the node created

Field	Field Type	Description
note_text	varchar(300)	text contained in the body of the note

Table 6 Note: Contains the notes created by the user

Field	Field Type	Description
bookmark_id	Integer	primary key of Bookmark table
bookmark_url	varchar(100)	url of saved bookmark
bookmark_count	Integer	determines how many times the bookmark url is saved
bookmark_date	Date	date wherein the bookmark is first saved

Table 7 Bookmark: Contains the bookmarks saved

Field	Field Type	Description
userbookmark_id	integer	primary key of User_Bookmark table
user_id	integer	foreign key from User table corresponding to the user who saved the bookmark
bookmark_id	integer	foreign key from Bookmark table corresponding to the bookmark saved
userbookmark_date	varchar(50)	date the bookmark was saved
userbookmark_time	varchar(50)	time the bookmark was saved

Table 8 User_Bookmark: Contains the bookmarks saved corresponding to a user

Field	Field Type	Description
userBookmarkTag_id	integer	primary key of UserBookmark_Tag table
user_id	integer	foreign key from User_Bookmark table corresponding to the user who made the bookmark tag
bookmark_id	integer	foreign key from User_Bookmark table corresponding to the bookmark for which the tag is added
tag_id	integer	foreign key from Tag table corresponding to the tag added
userBookmark_id	integer	foreign key from User_Bookmark table corresponding to the bookmark of a user for which the tag is added

Table 9 UserBookmark_Tag: Contain tags added by specified users to their bookmarks

Field	Field Type	Description
notesTag_id	Integer	primary key of Note_Tag table
user_id	Integer	foreign key from Note table corresponding to the user who made the note tag

notes_id	Integer	foreign key from Note table corresponding to the note for which the tag is added
tag_id	Integer	foreign key from Tag table corresponding to the tag added

Table 10 Note_Tag: Contain tags added by specified users to their notes

Field	Field Type	Description
tag_id	integer	primary key of Tag table
tag_name	varchar(50)	name of the tag

Table 11 Tag: Contain information for all tags

Field	Field Type	Description
id	integer	primary key of annotator table
quote	varchar (100)	content of highlighted text
text	varchar (100)	text is the comment added to the highlighted text
start	varchar (100)	html tag location of the start highlight text
end	varchar (100)	html tag location of the start highlight text

Table 12 Annotator: Contains needed information for highlighted text on a page

Field	Field Type	Description
list_id	Integer	primary key of the List table
list_name	varchar(100)	name of the list
list_description	varchar(300)	description on what the list contains and what it is all about
list_date	varchar(50)	date when the list is created
list_time	varchar(50)	time when the list is created

Table 13 List: Contain lists of bookmarks

Field	Field Type	Description
grouplist_id	integer	primary key of the GroupList table
group_id	integer	foreign key from Group table corresponding to the group the list belongs to
list_id	integer	foreign key from UserBookmark_List table corresponding to shared list information

Table 14 group_list: Contain lists of groups

Field	Field Type	Description
grouplistcomment_id	integer	primary key of the GroupListComment table
grouplist_id	integer	foreign key from GroupList table corresponding to the group list for which the comment belongs to
grouplistcomment_text	varchar(300)	text comment on the given list in the group
grouplistcomment_date	varchar(50)	date the list comment was created
grouplistcomment _time	varchar(50)	time the list comment was created
group_id	integer	foreign key from GroupList table corresponding to the group for which the list belongs to
user_id	integer	id corresponding to the user who made the comment
list_id	integer	id of the list made

Table 15 Gsrouplist_Comment: Contains comments for a group list

Field	Field Type	Description
groupbookmarkcomment_id	Integer	primary key of the GroupBookmarkComment table
groupbookmark_id	Integer	foreign key from GroupBookmark table corresponding to the group bookmark for which the comment belongs to
groupbookmarkcomment_text	varchar(300)	text comment on the given bookmark in the group
groupbookmarkcomment_spam	Integer	if the bookmark is reported as spam, set this field to 1
groupbookmarkcomment _date	varchar(50)	date the bookmark comment was created
groupbookmarkcomment _time	varchar(50)	time the bookmark comment was created
group_id	Integer	foreign key from GroupBookmark table corresponding to the group for which the bookmark belongs to
user_id	Integer	foreign key from Group bookmark

Field	Field Type	Description
		table corresponding to the user who made the comment
bookmark_id	Integer	foreign key from Group bookmark table corresponding to the bookmark for which the comment belongs to

Table 16 GroupBookmark_Comment: Contains comments for a group bookmark

Field	Field Type	Description
follower_id	Integer	primary key of the Follower table
user_id	Integer	foreign key from User table corresponding to the user being followed
ufollower_id	Integer	foreign key from User table corresponding to the user who follows

Table 17 Follower: Contains the followers of a given user

Field	Field Type	Description
following_id	Integer	primary key of the Following table
user_id	Integer	foreign key from User table corresponding to the user being followed
ufollowing_id	Integer	foreign key from User table corresponding to the user who follows

Table 18 Following: Contains those who follow a specific user

C. Use-Case Diagrams

The online library limits the features available for non-registered user. A user who doesn't have an account could only search publicly available bookmarks, users and groups related to their query.

For the user to be able to utilize the system to its fullest, the user must first apply for an account. A registered user has the ability to manually save bookmarks, view, share, search and delete bookmarks. Tags can be edited and deleted from these saved bookmarks. To easily see the needed bookmarks, bookmarks can be filtered. Grouping of bookmarks into list is also possible.

Aside from working on bookmarks, a user has the ability to create, edit and delete notes. One could also add corresponding tags to aid in the organization.

To maximize the research capability of the application, a registered user can join an existing group or even create a new one. A non-member could only view bookmarks and lists

shared in the group, still depending on its privacy settings. But if you're already a member, you are given more options. A group member can comment on a shared bookmark or list. This could help in the evaluation of that particular bookmark or list if it was helpful or not. Liking a bookmark may also be done.

Other than joining groups, to promote information sharing, a user also has the ability to follow another user so that he or she could see their public bookmarks.
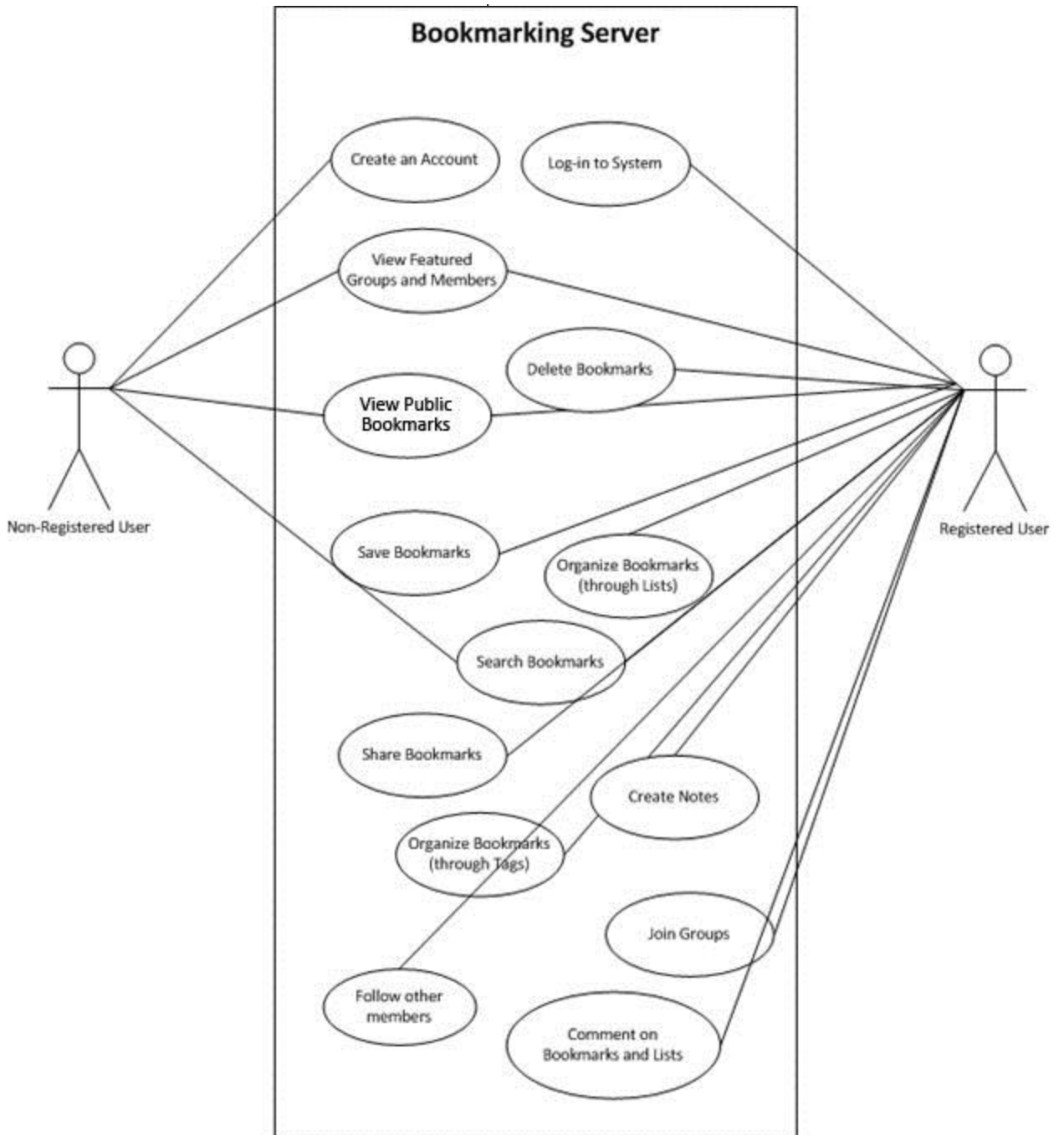
Figure 2. Use Case Diagram for Online Library

D. Activity Diagrams

The figures below show activity diagrams for the basic functions of the information system

Manually save bookmarks
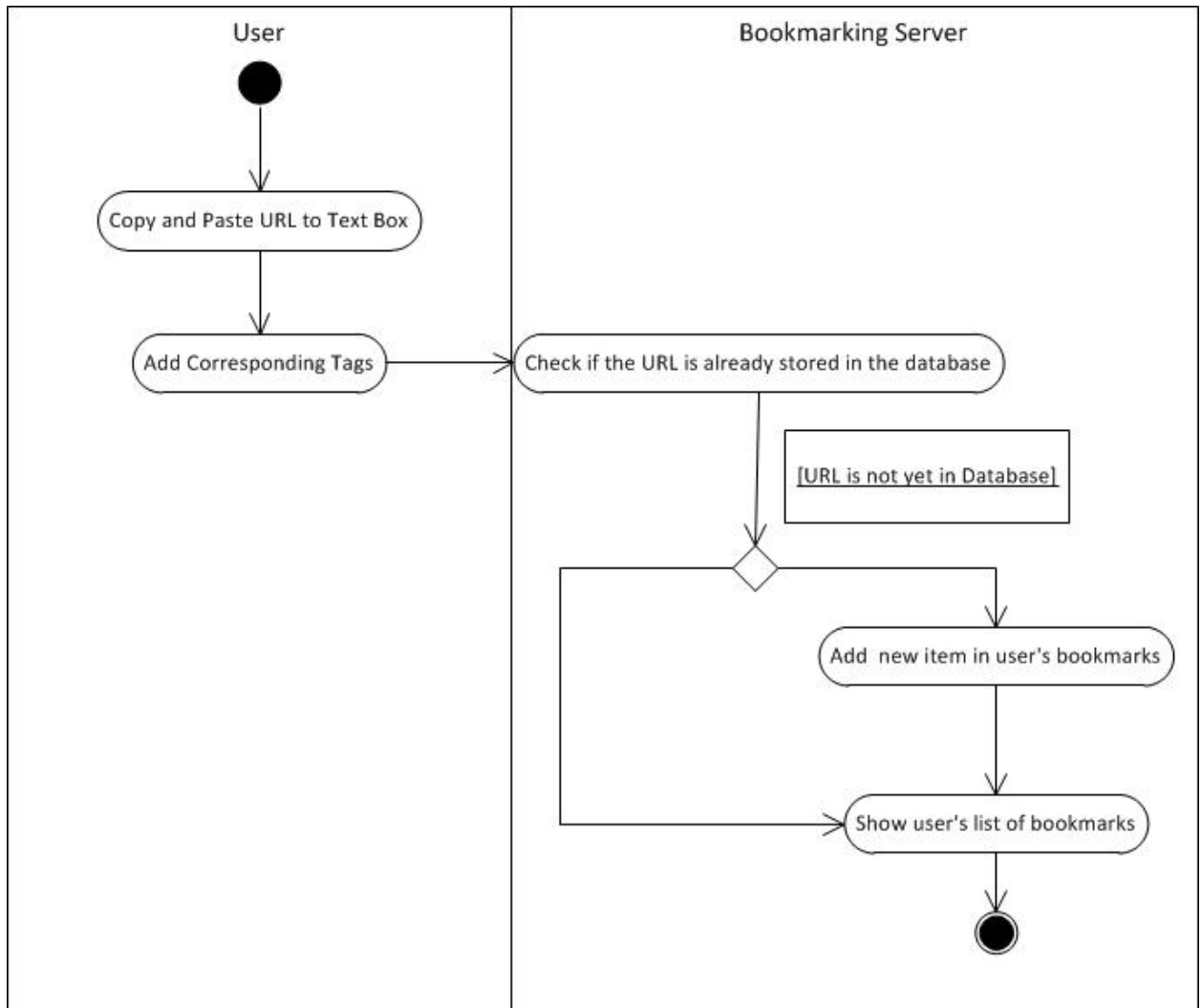
Figure 3. Activity Diagram for Manually Saving Bookmarks in Online Library

Search saved bookmarks (per tag)
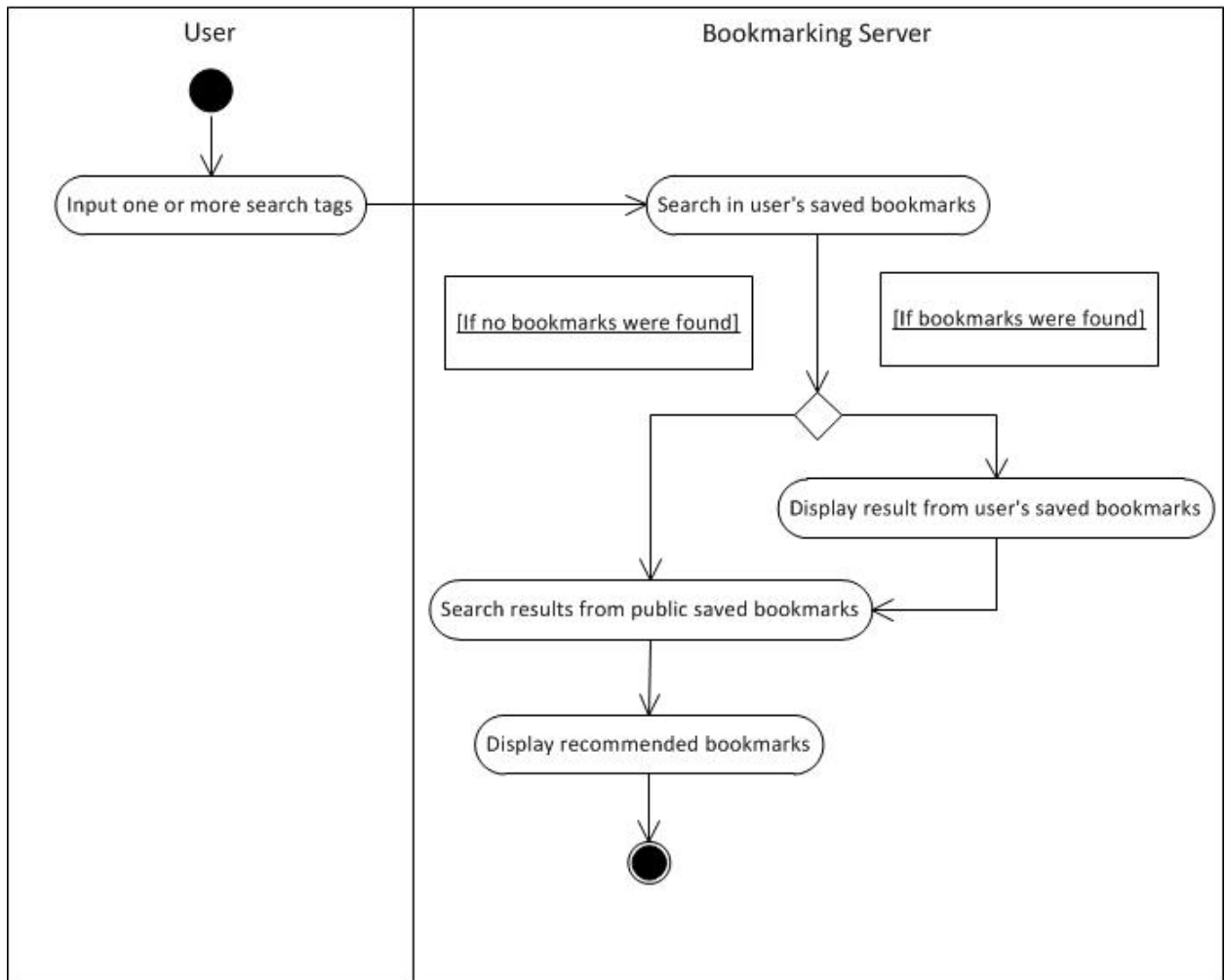
Figure 4. Activity Diagram for Searching Saved Bookmarks in Information System

Join a group
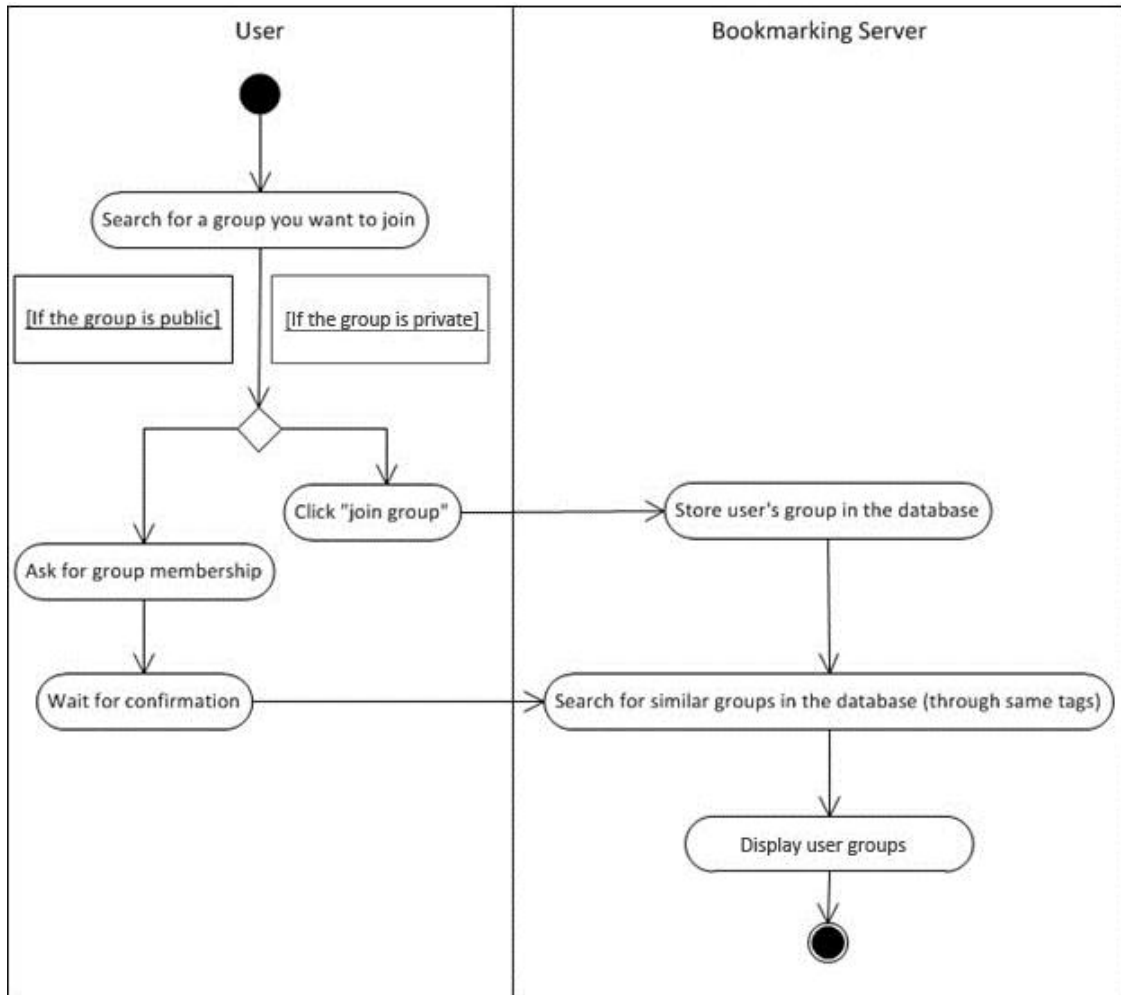
Figure 5. Activity Diagram for Joining a Group

Adding comments to a list or a bookmark
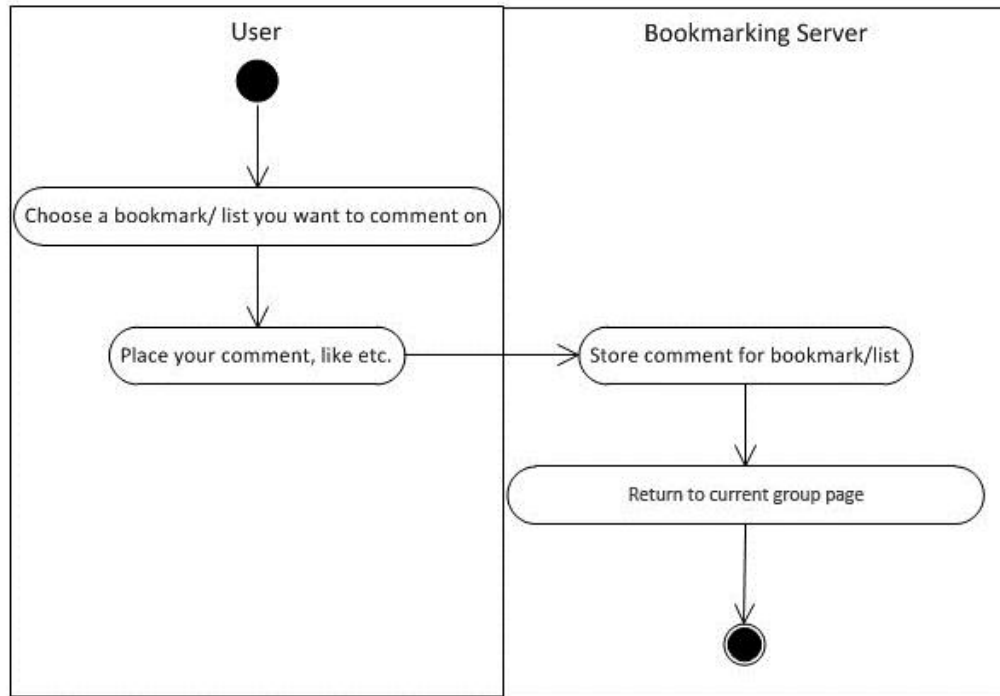
Figure 6. Activity Diagram for Adding Comments on a List or Bookmark

Note that the activity diagrams for adding notes and tags are quite similar to figure 6.

Google Chrome Extension

The Google Chrome extension provides the users with features that are not available in the online library. Such features include readable mode, easier bookmark saving and most of the annotation features.

The collected information from these features would be store in the database also used by the online library. It would then be accessed when the extension is used.

Creating a Google Chrome Extension

There are two main requirements in creating a Google Chrome extension:

1. manifest.json file

This file includes basic information about the extension. Such information may include: name of extension, version, permissions, descriptions and the needed browser actions.

```
{
    "name": "SampleExtension",
     "version": "2.0",
     "permissions": ["tabs","http://*/"],
     "description": "First Google Chrome
Extension",
    "browser_action": {
        "default_icon": "nyanCat.png",
        "popup": "main.html"
    }
}
```

Figure 7. Sample Code for manifest. json File

2. main.html

As the name implies, this html files hold the main component of the extension. What the extension does depend on this file. Main.html is the one being declared in the manifest.json file.

Readable Mode

For the readable mode to be implemented, the following steps are done:

1. Create a chrome extension that will use AJAX to wait for the entire page to load. After doing so, get the URL of the current tab and parse through its content.

```
function windowLoaded() {
     chrome.tabs.getSelected(null, function(tab) {

document.getElementById('currentLink').innerHTML =
tab.url;

     var xhr = new XMLHttpRequest();
     xhr.open("GET", tab.url, true);
     xhr.onreadystatechange = function() {
          if (this.readyState == 4 && this.status
== 200) {

     document.getElementById("currentLink").innerTe
xt = xhr.responseText;
          }
     }
     xhr.send();

     });
```

Figure 8. Code Snippet for Step 1

Note that this code snippet may be placed in main.html

47

2. After parsing through the content of the page, prepare the document by removing javascript, CSS etc.

3. Once the code has been stripped down, create its DOM tree.

4. Get the article content from the current DOM tree.

5. The article content is placed in a JSON object which is processed by a page in the online library side. This page would then display the main article in the page stripped down from advertisements, article links and other objects that are distracting to the reader.

Annotation Feature- Highlight Page Content

For page content to be highlighted, a series of steps must also be done.

1. Similar to the readable mode, the page must be loaded and parsed through.

2. Get the position of the selected text: the start up to the end of the highlighted text.

```
<script language=javascript>
function getSelText(){
    var txt = '';
     if (window.getSelection)
        txt = window.getSelection();
    else if (document.getSelection)
        txt = document.getSelection();
    else if (document.selection)
        txt = document.selection.createRange().text;
    else return;
document.aform.selectedtext.value =  txt;}
</script><input type="button" value="Get selection"
onmousedown="getSelText()">
<form name=aform >
<textarea name="selectedtext" rows="5" cols="20"></textarea>
</form>
```

Figure 9. Code Snippet for Getting the Selected Text

48

3. Highlight the selected text. This could be done by inserting tags before the starting position and right after the end. These tags will serve as a boundary on where one could apply the new CSS.

```
// once the positions are found and customize tags
are inserted, we could call this if statement:
// for this example, the tags inserted are
highlightStartTag and highlightEndTag

if ((!highlightStartTag) || (!highlightEndTag)) {
    highlightStartTag = "<font style='color:blue;
background-color:yellow;'>";
    highlightEndTag = "</font>";
  }
```

Figure 10. Code Snippet for Highlighting the Selected Text

4. URL of the current webpage, text highlighted and its html tag location is then saved in the database

V. RESULTS

The Annotation and Bookmarking Tool is divided into two sections namely the Online Library and the Google Chrome Extension.

The homepage of Annotation and Bookmarking Tool's online library is shown in figure 11. The system allows registered users to login to the system and provides a link to the guests who want to make their own ABT account. Clicking the said link would redirect the user to a registration page. Homepage also provides general information with the submenu links (What's ABT, More Information About ABT and Extension) regarding the tool. A download link for Google Chrome Extension is also placed in the homepage.
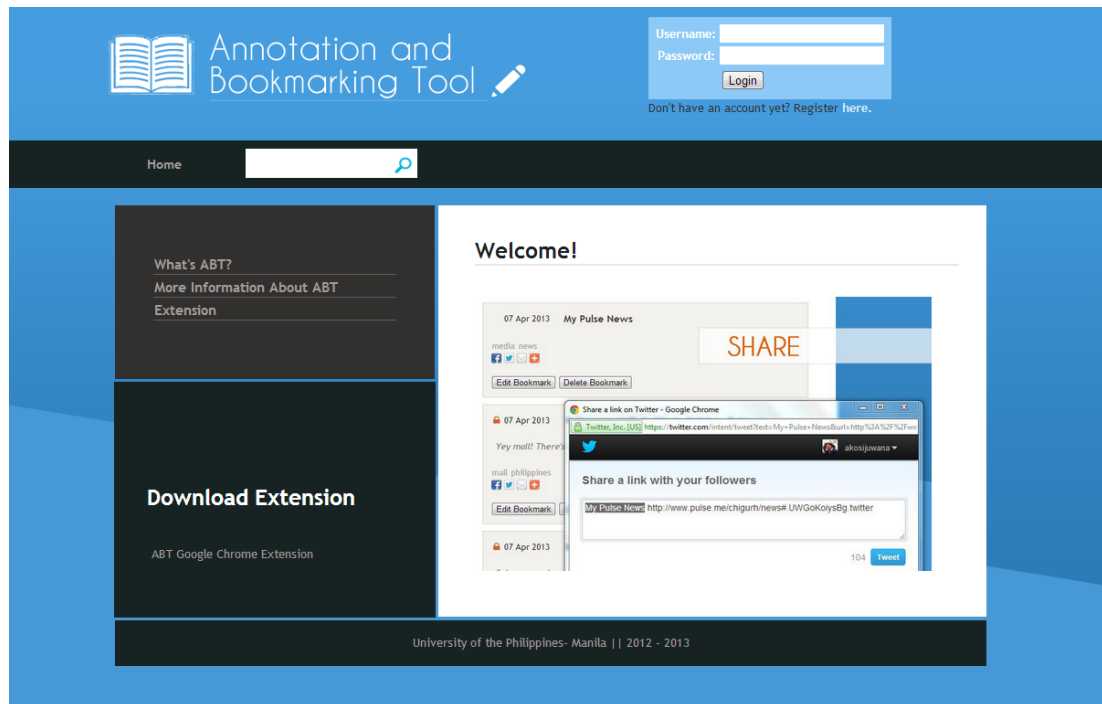
Figure 11: Annotator and Bookmarking Tool Online Library

Upon logging in, the user will still be directed to the homepage but is then given addition options. These options include My Library, My Network and My Profile (shown in Figure 12.)

Each additional option has their submenus. First off is the My Library which contains submenus corresponding objects the user could save using this tool. User will be redirected to the submenu's respective pages once clicked.
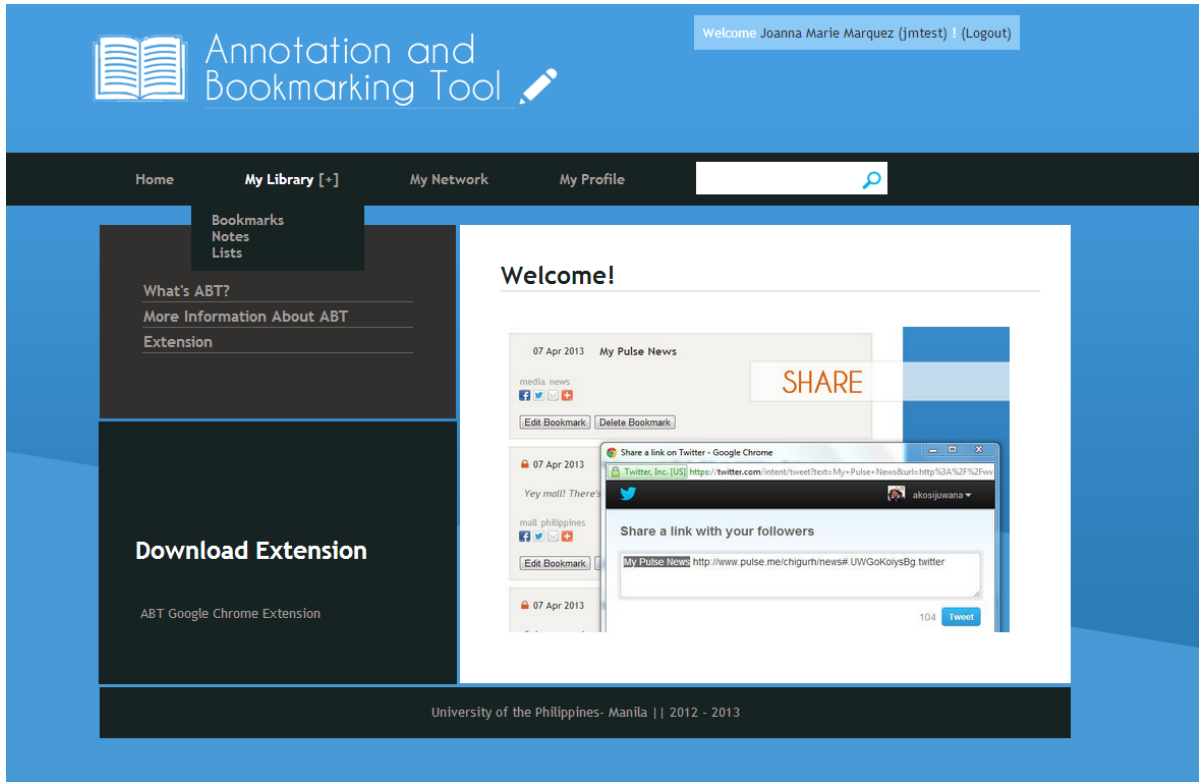
Figure 12: My Library Submenu

Bookmark page will be the first on the list. As shown in Figure 13, user's saved bookmarks are presented. Here, the user is free to share said bookmarks through social networks. The user could also edit and delete previously saved bookmarks displayed in Figures 14 and 15.
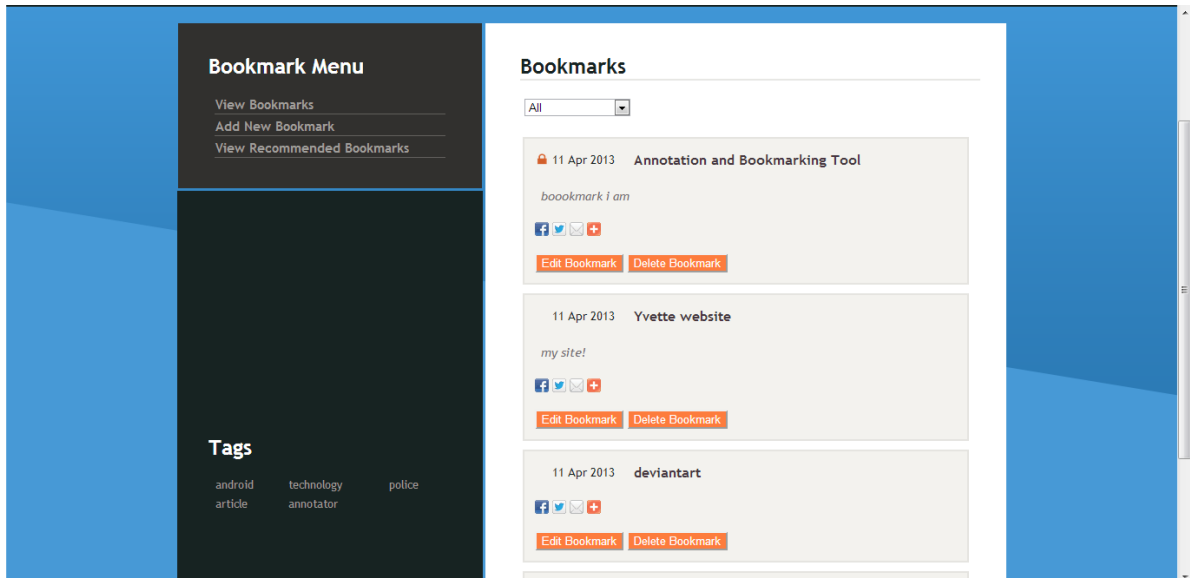
Figure 13: Bookmark Feed
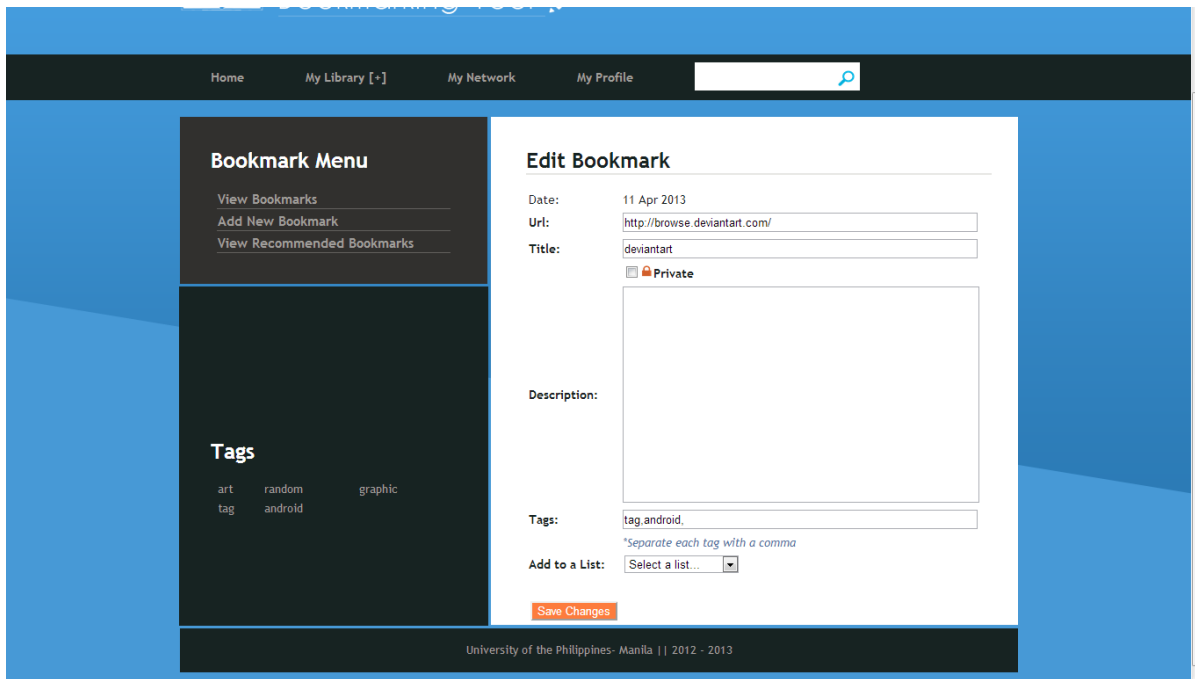
Figure 14: Edit Bookmark
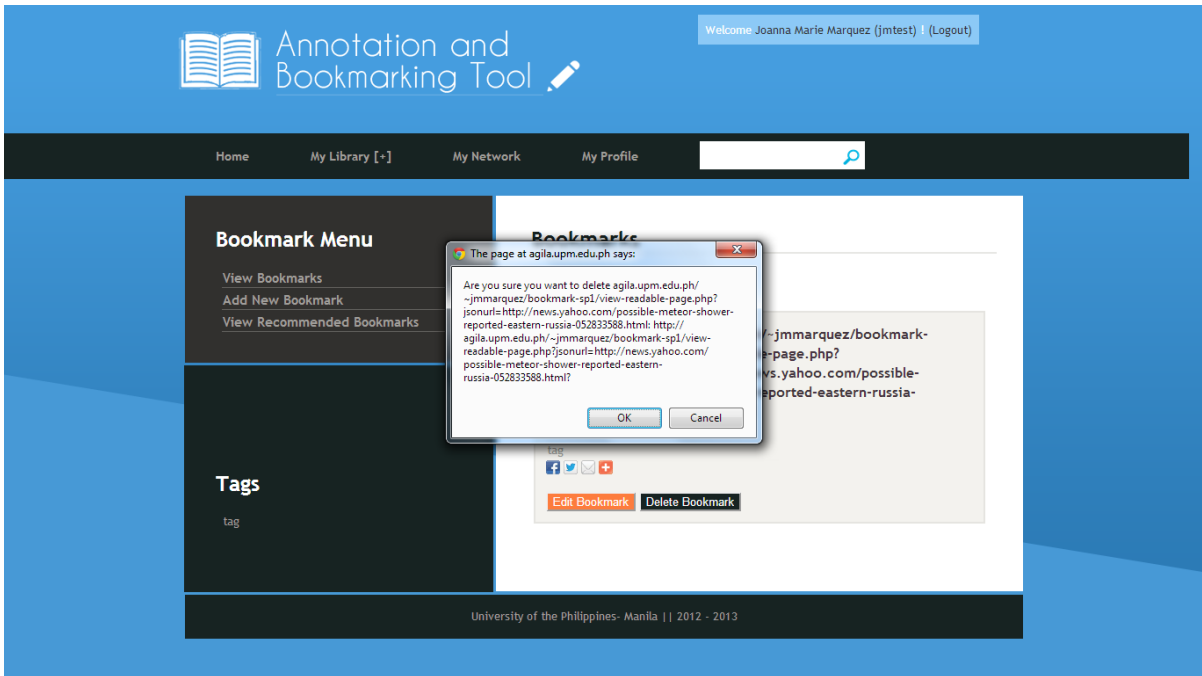
Figure 15: Delete Bookmark
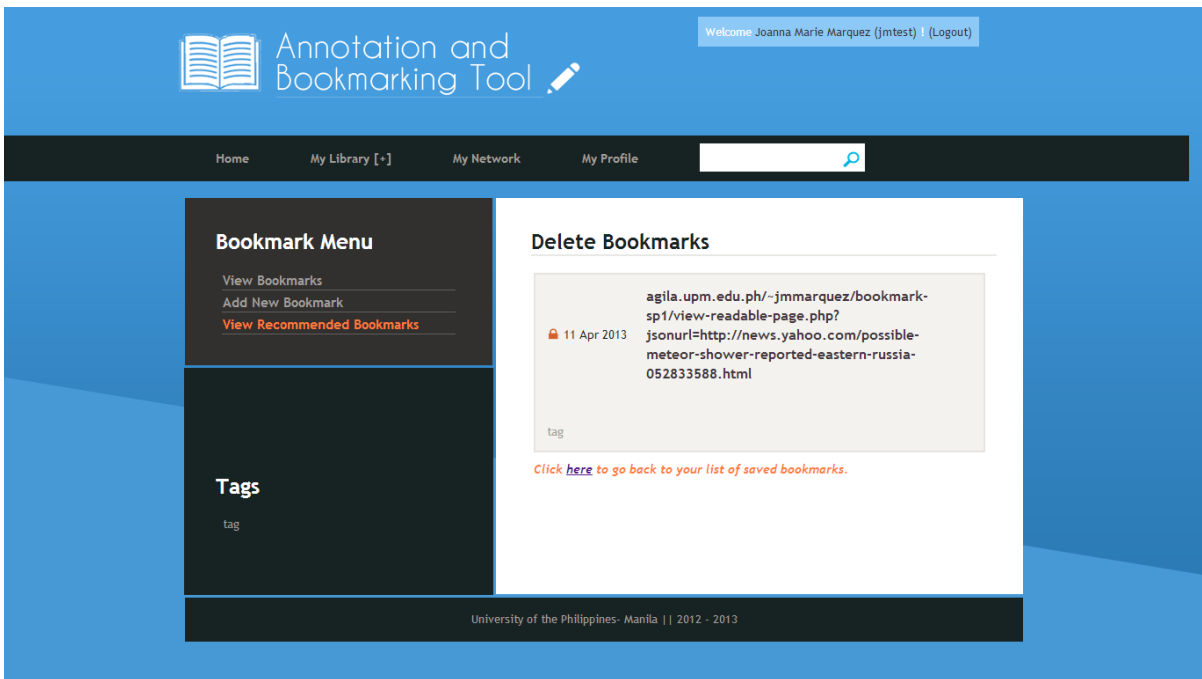
Figure 16: Delete Bookmark Success

Bookmark page gives the user an option to add more bookmarks manually (Figure 17). The system automatically provides related bookmarks to those already saved. These could be

viewed in Recommended Bookmarks. User would be able to save these bookmarks to their

own library for easier browsing (Figure 18).
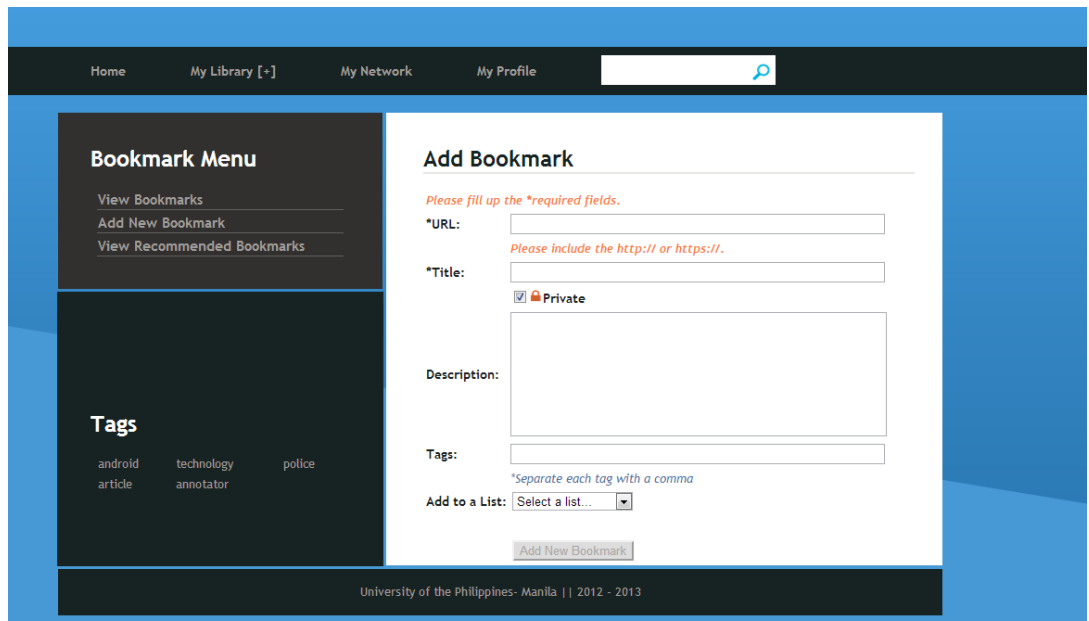
Figure 17: Add Bookmark
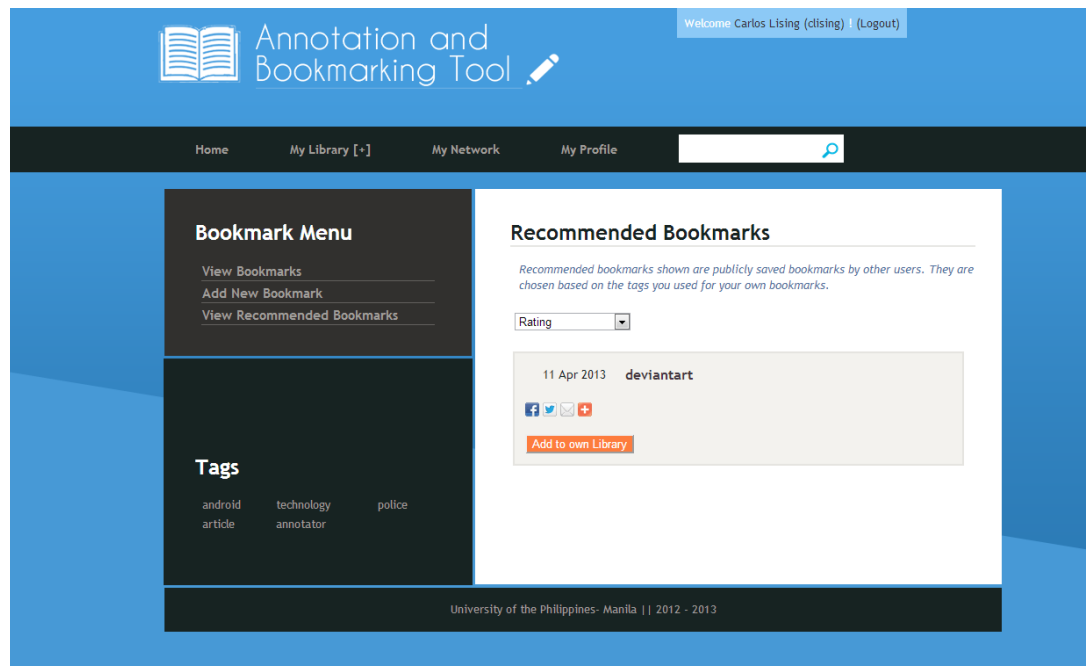
Figure 18: Recommended Bookmarks
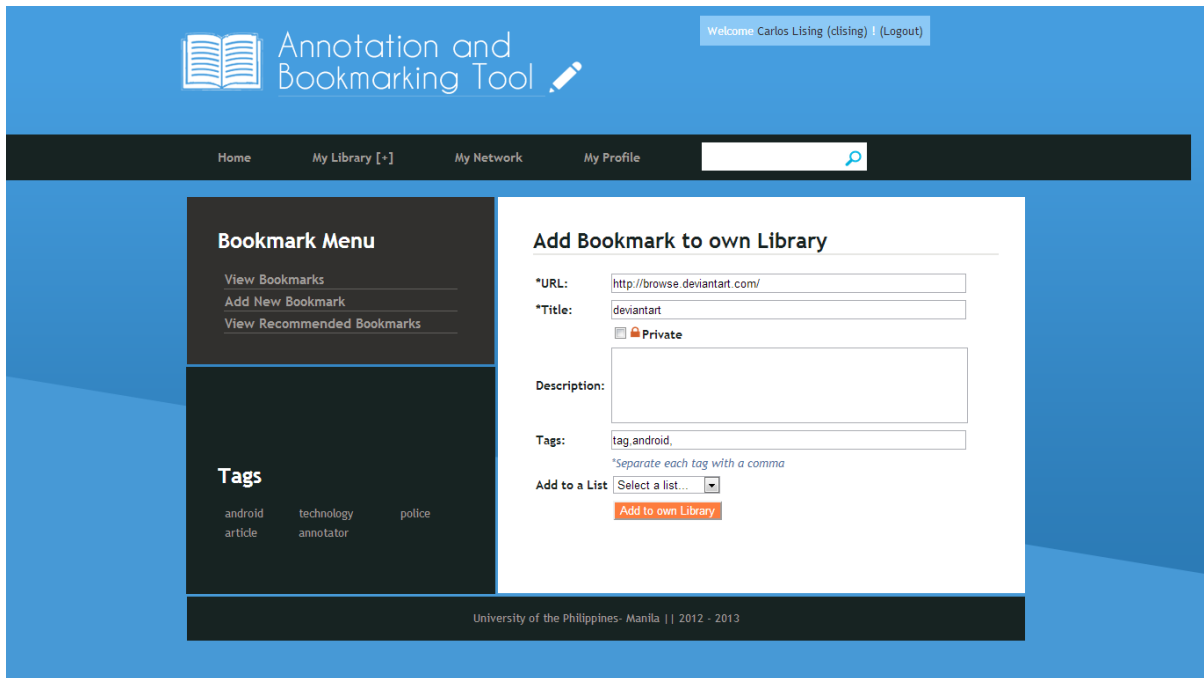
Figure 19: Add Recommended Bookmark to own Library

Notes page is second on the submenu. Here you can view saved notes and update them. You can also create new notes in this page.
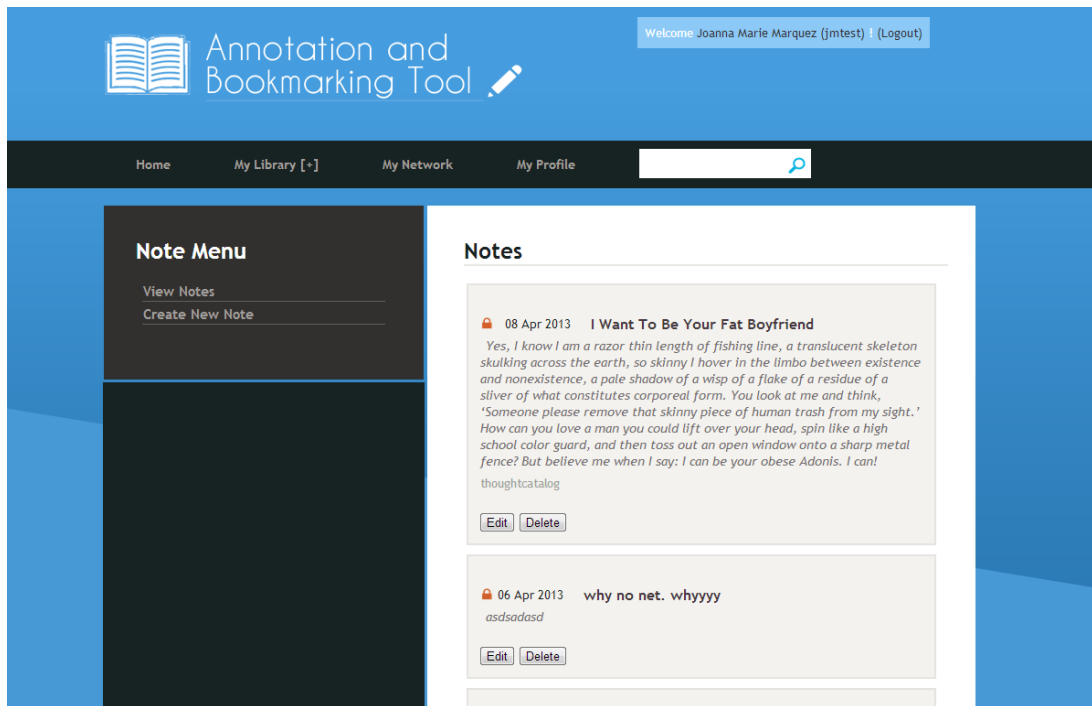
Figure 20: Notes Page

Lastly in the My Library option is the List. List page shows the saved lists of the user logged in as presented in Figure 21. Each list could be edited by clicking the 'edit button'. This action would redirect you to the corresponding edit page containing the details of the selected list (Figure 22). Here you could create a new list by choosing that option found on the left side (Figure 23). Clicking on the link title will then redirect the user to the corresponding members of the list. The user is allowed to delete members of the list here (Figure 24).
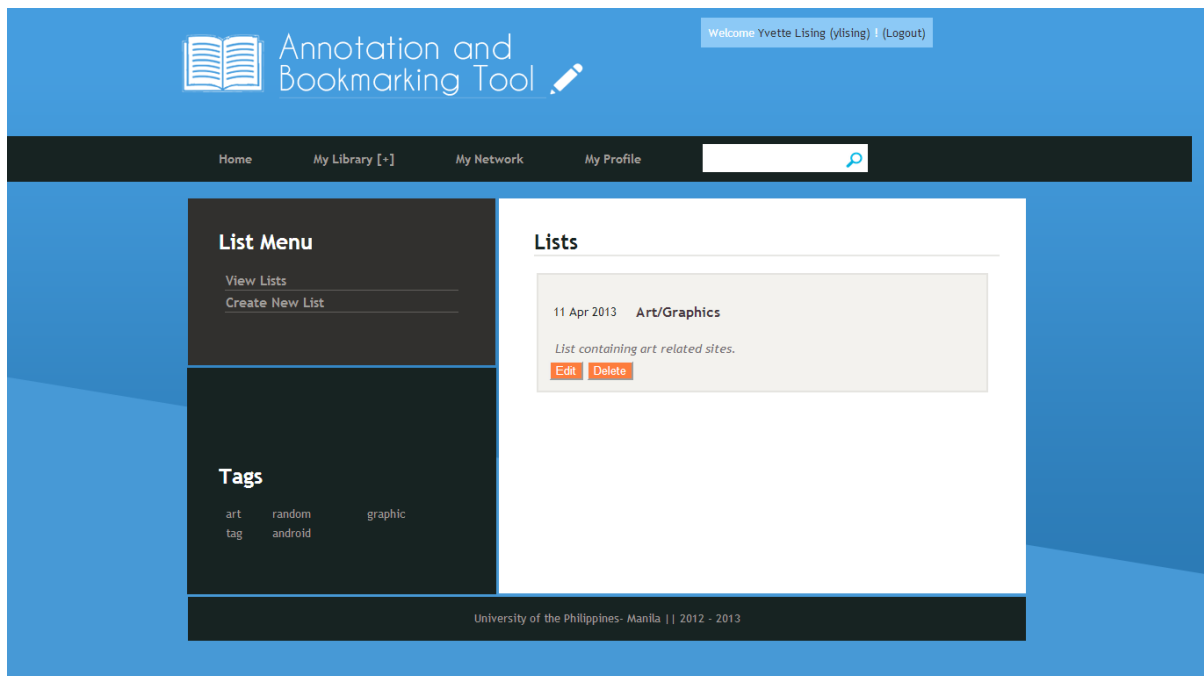
Figure 21: Lists Page
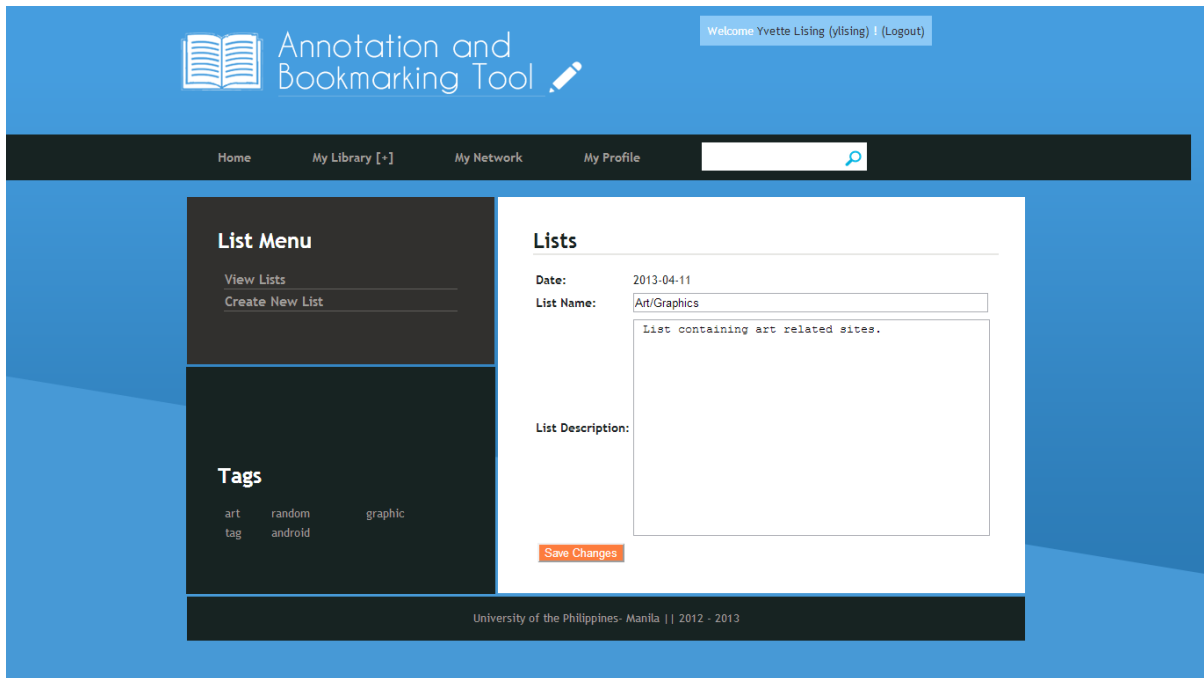
Figure 22: Edit Existing List

Other than viewing your own saved items, the user could explore items from other users through My Network with its Users and Groups submenus.

In the Users page, the logged in user could view the publicly saved bookmarks of the users they are following (Figure 23). Again, they could save these bookmarks in their own library. Other than that, the user logged in could view his/her followers and the users he/she is following displayed in Figure 24. Clicking the username will go to the corresponding profile page shown in Figure 25.
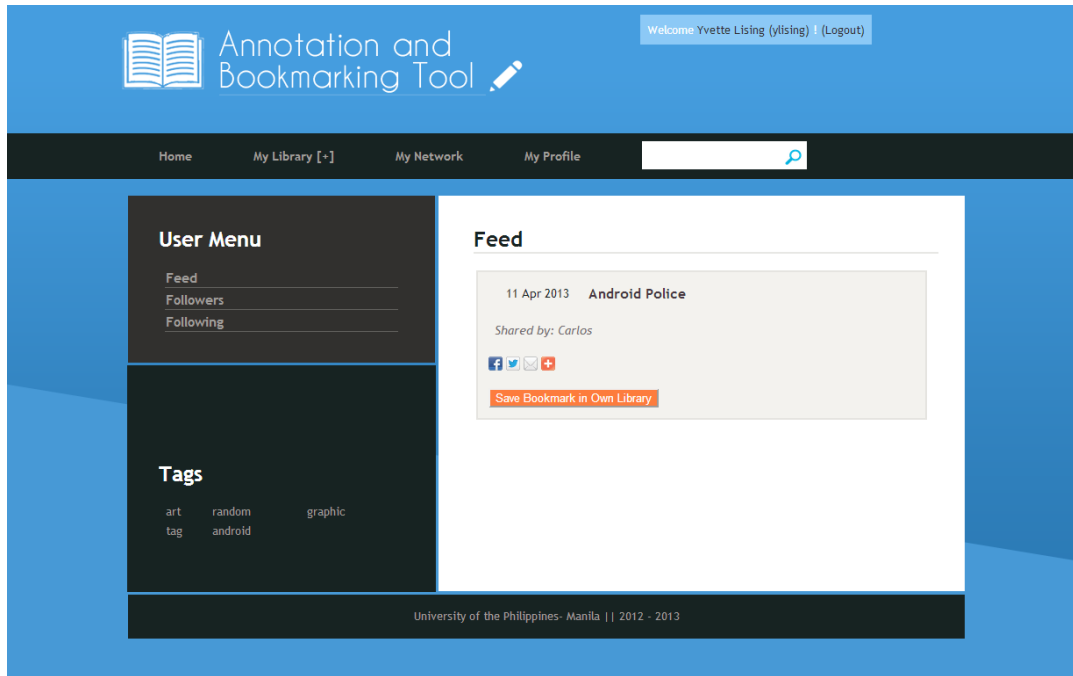
Figure 23: Following feed
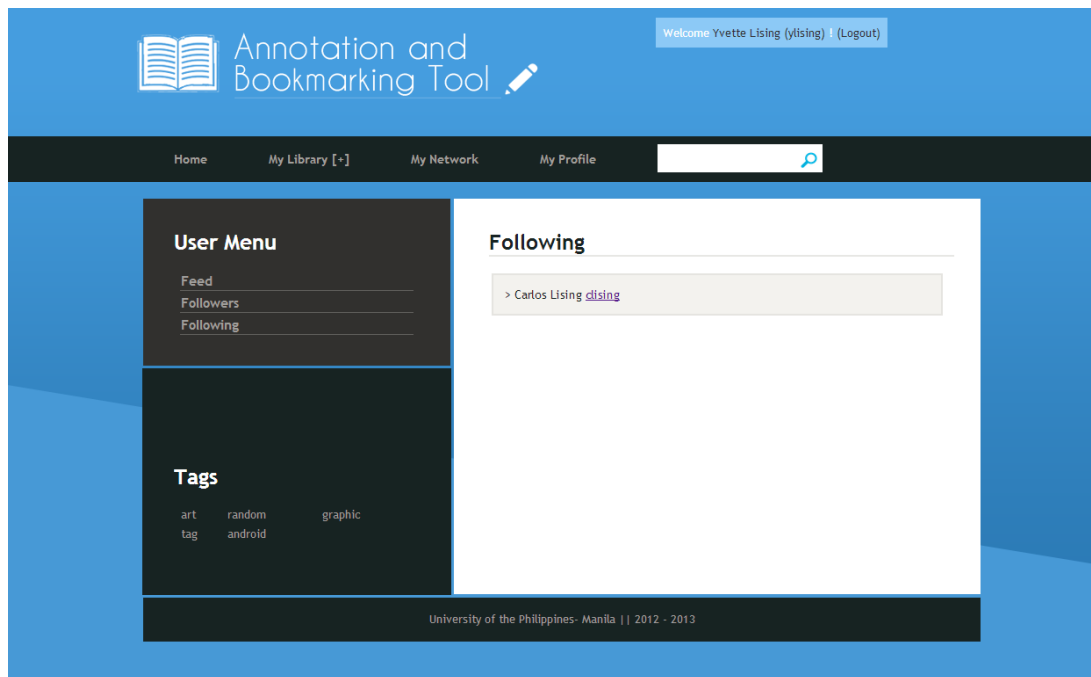
Figure 24: Following
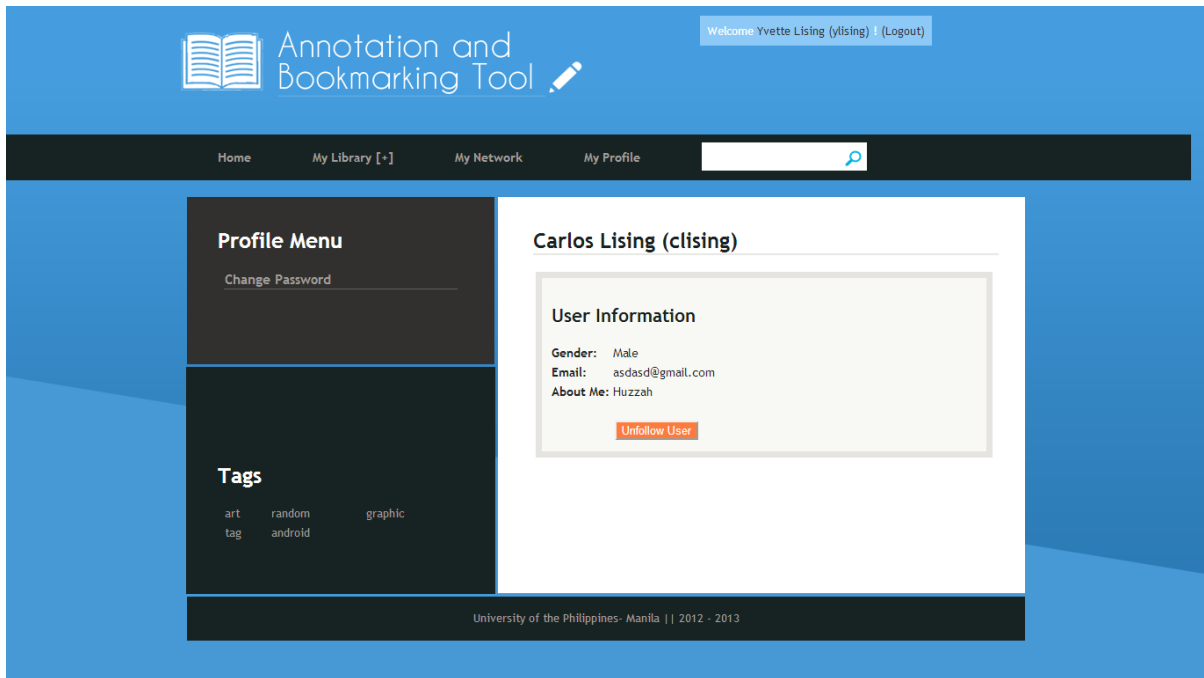
Figure 25: User Profile

For the Group page, Groups where the user is a member of will be shown just like in Figure 26. Clicking a group's title will lead them to the group page where in the group's feed composed of share list and bookmarks. Note that the content of the group page will be based on the groups' settings. Content may be limited depending on whether the user who visited the page is a member of the group. Also, if the user is the admin of the group, he has additional privileges. Administrator could edit group details and approve who joins the group (Figue 27).
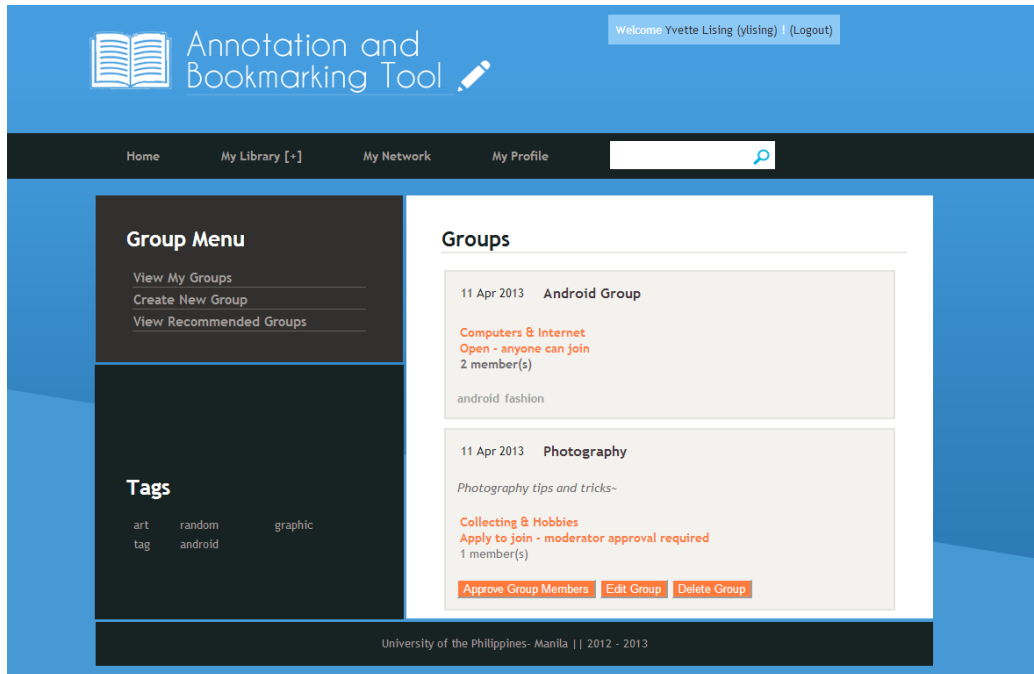
Figure 26: Group Page
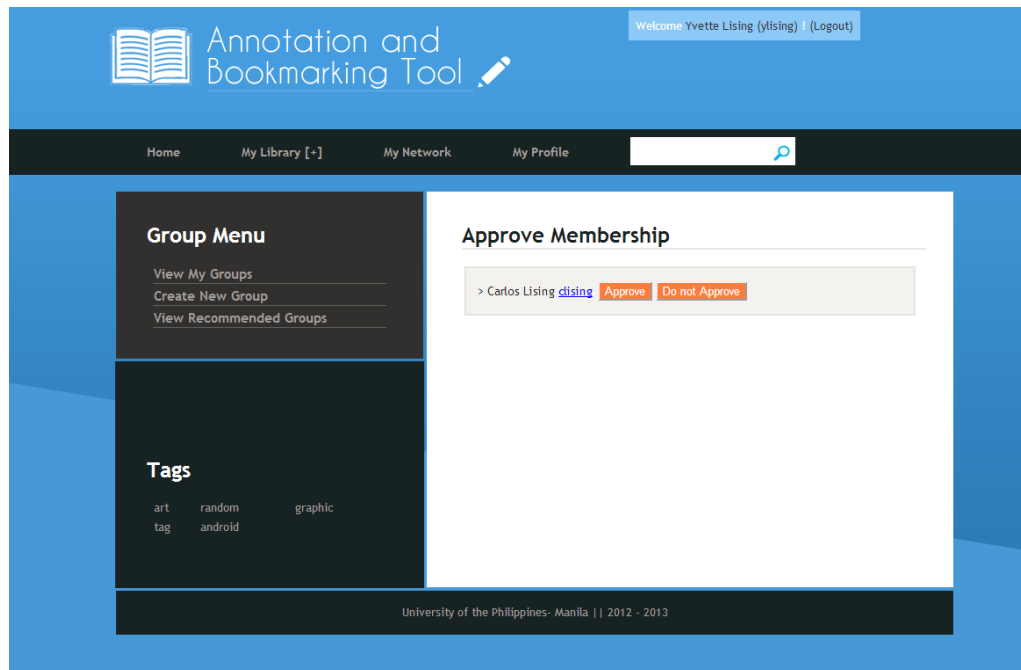
Figure 27: Approve Membership-Admin Function

You could also create your own group when you're in the groups section as presented in Figure 28.
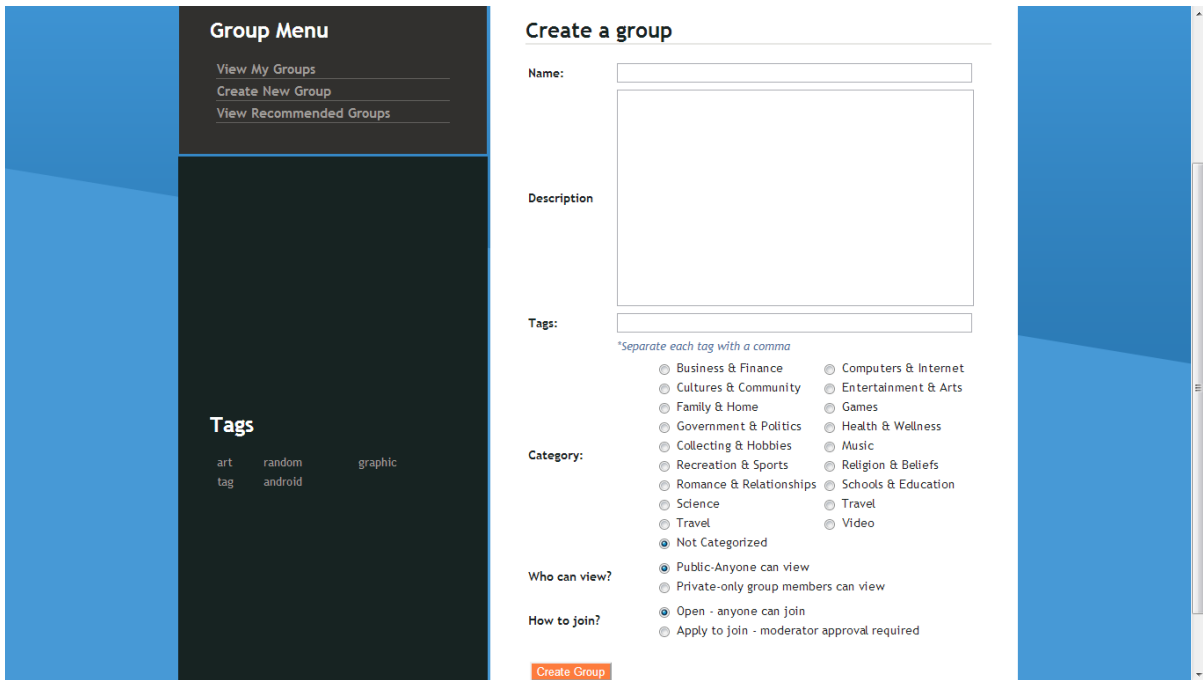
Figure 28: Create New Group

If you already joined a group, you are given a number of features to choose from as seen in Figure 29. A group member could participate in discussions by commenting on a bookmark or a list. They could also help other group members find the most useful bookmark in the group by simply liking it.
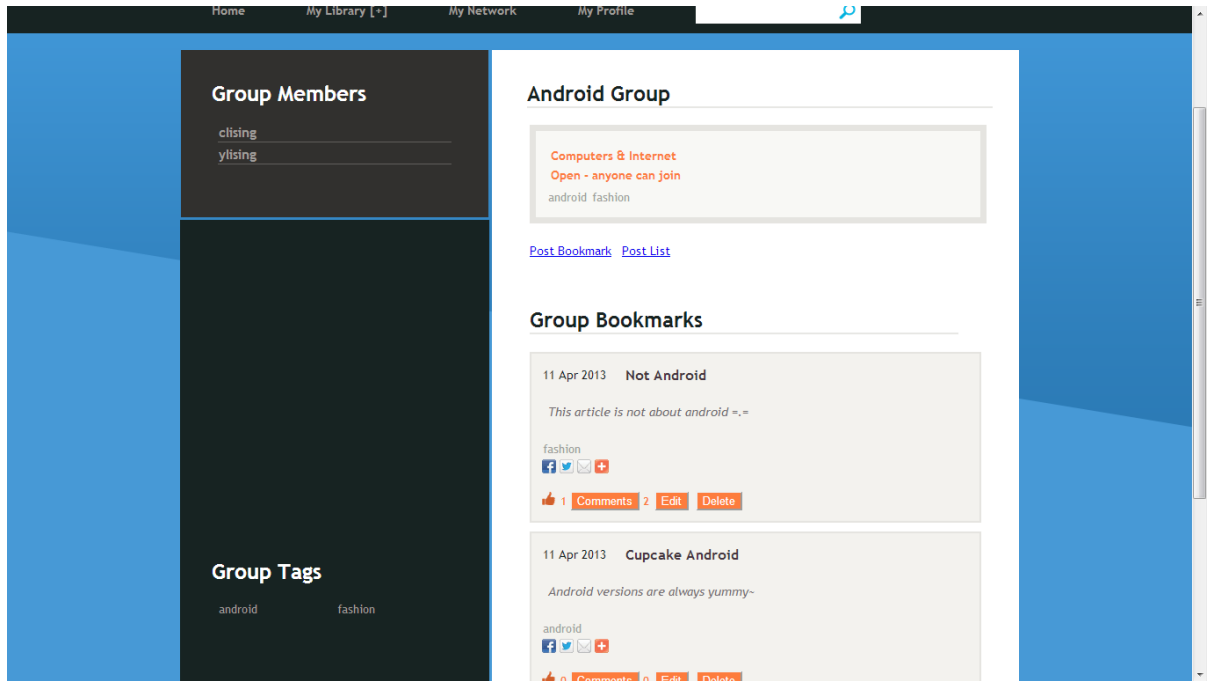
Figure 29: Group Main Page

A logged in user has one additional option namely My Profile. Here the user could edit their account details. Public saved items are also shown here. This is what the other users would see.

Lastly, on the navigation menu, both a registered user and a guest could search items. Inputting a term will look up all the related users, bookmarks and groups by default. You can limit this search with the checkbox add the side then just submit again as shown in figure 30.
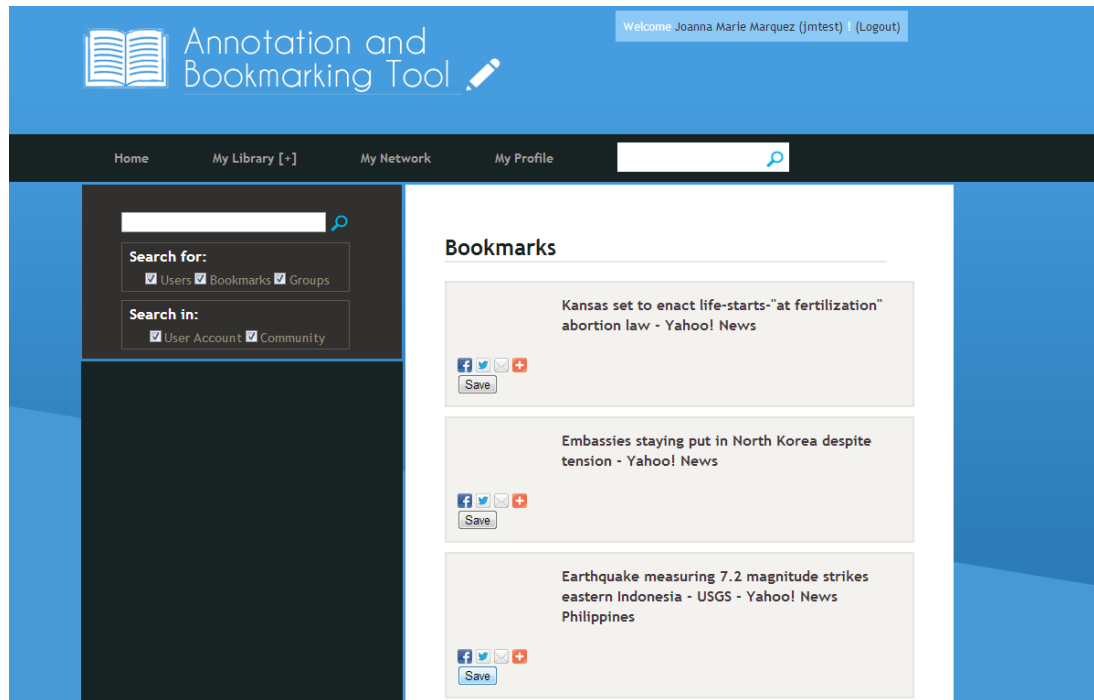
Figure 30: Search

The Google Chrome Extension section offers more or less the same functionalities to the user. The difference is that a user can't use any of the functionalities unless he/she has an account. (Figure 31).

Figure 31: Extension when not logged in

Once logged in the site, the user could now view all extension's contents. Here, the user could save the bookmark to the library when visited. (Figure 32) One could also add a note similar to that in the online library counterpart as shown in Figure 33. Aside from these, the extension lets the user view the page in readable mode (Figure 34). Lastly, user could annotate a page as displayed in Figure 35.
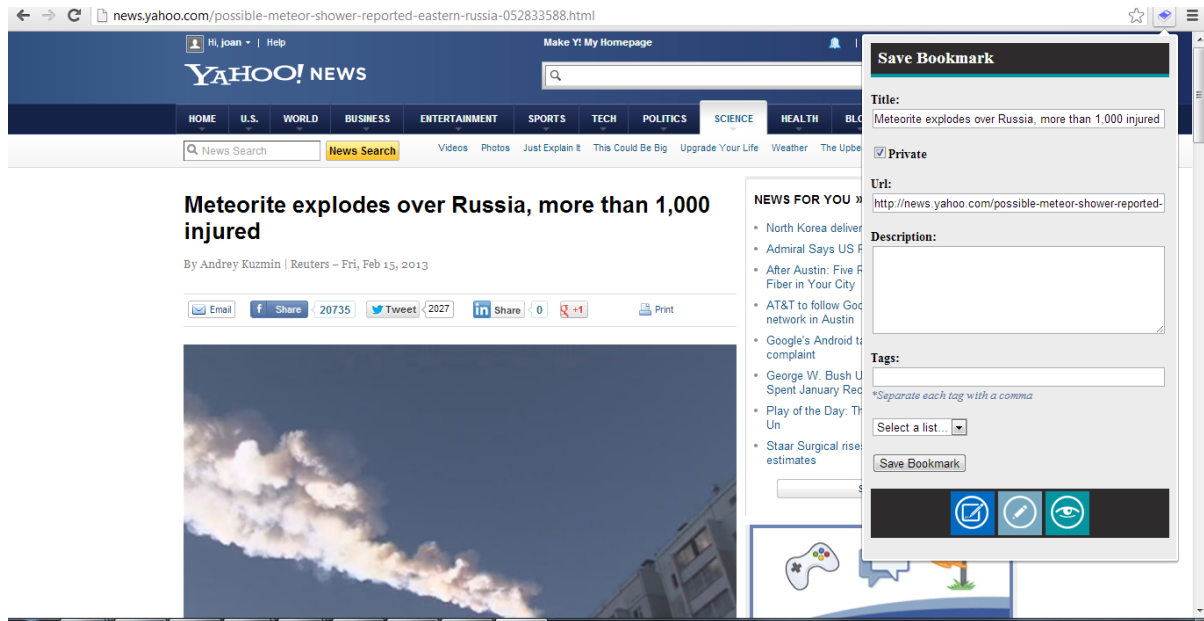
Figure 32: Save bookmarks
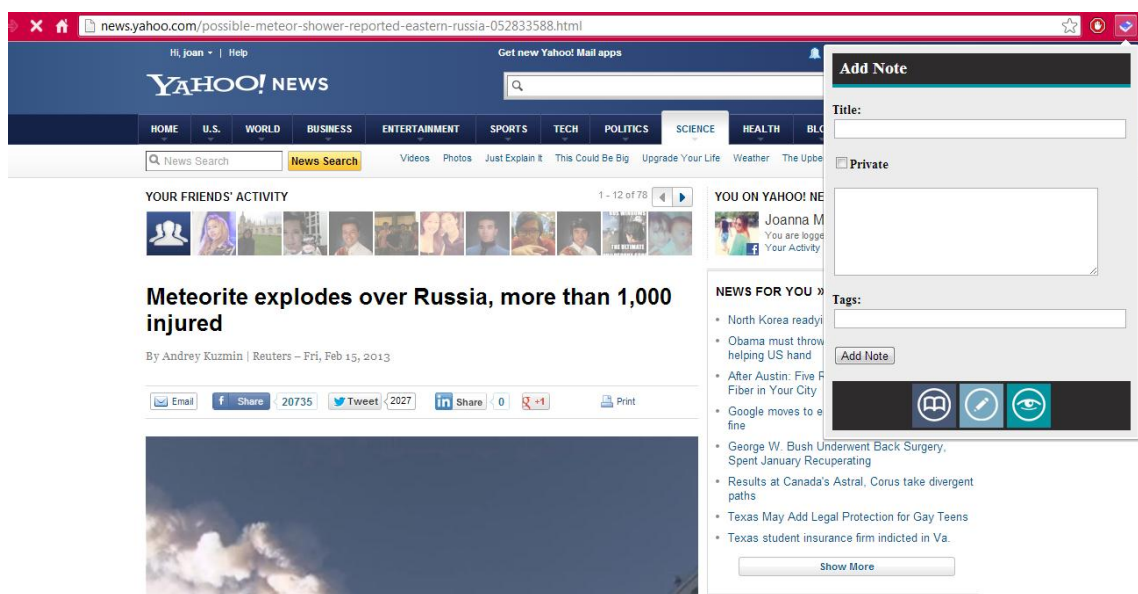
Figure 33: Add Note

Meteorite explodes over Russia, more than 1,000 injured

by Andrey Kuzmin

Fri, 15 Feb 2013 12:00:00 GMT

CHELYABINSK, Russia (Reuters) - A meteorite streaked across the sky and exploded over central Russia on Friday, raining fireballs over a vast area and causing a shock wave that smashed windows, damaged buildings and injured 1,200 people. People heading to work in Chelyabinsk heard what sounded like an explosion, saw a bright light and then felt the shock wave, according to a Reuters correspondent in the industrial city 1,500 km (950 miles) east of Moscow. The fireball, travelling at a speed of 30 km (19 miles) per second according to Russian space agency Roscosmos, had blazed across the horizon, leaving a long white trail that could be seen as far as 200 km (125 miles) away. Car alarms went off, thousands of windows shattered and mobile phone networks were disrupted. The Interior Ministry said the meteorite explosion, a very rare spectacle, also unleashed a sonic boom. "I was driving to work, it was quite dark, but it suddenly became as bright as if it were day," said Viktor Prokofiev, 36, a resident of Yekaterinburg in the Urals Mountains. "I felt like I was blinded by headlights." The meteorite, which weighed about 10 metric tons and may have been made of iron, entered Earth's atmosphere and broke apart 30-50 km (19-31 miles) above ground, according to Russia's Academy of Sciences. The energy released when it entered the Earth's atmosphere was equivalent to a few kilotonnes, the academy said, the power of a small atomic weapon exploding. No deaths were reported but the Emergencies Ministry said 20,000 rescue and clean-up workers were sent to the region after President Vladimir Putin told Emergencies Minister Vladimir Puchkov to ease the disruption and help the victims. The Interior Ministry said about 1,200 people had been injured, at least 200 of them children, and most from shards of glass. WINDOWS BLOWN OUT The early-morning blast and ensuing shock wave blew out windows on Chelyabinsk's central Lenin Street, buckled some shop fronts, rattled apartment buildings in the city center and blew out windows. "I was standing at a bus stop, seeing off my girlfriend," said Andrei, a local resident who did not give his second name. "Then there was a flash and I saw a trail of smoke across the sky and felt a shock wave that smashed windows." A wall and roof were badly damaged at the Chelyabinsk Zinc Plant but a spokeswoman said no environmental threat resulted. One piece of meteorite broke through the ice the Cherbakul Lake near Chelyabinsk, leaving a hole several meters (yards) wide. The region has long been a hub for the Russian military and defense industry, and it is often the site where artillery shells are decommissioned. A local Emergencies Ministry official said meteorite storms were extremely rare and Friday's incident may have been connected with an asteroid the size of an Olympic swimming pool that was due to pass Earth. But an astronomer at Russia's Academy of Sciences, Sergei Barabanov, cast doubt on that report and the European Space Agency said its experts had confirmed there was no link. The regional governor in Chelyabinsk said the meteorite shower had caused more than $30 million in damage, and the Emergencies Ministry said 300 buildings had been affected. Despite warnings not to approach any unidentified objects, some enterprising locals were hoping to cash in. "Selling meteorite that fell on Chelyabinsk!" one prospective seller, Vladimir, said on a popular Russian auction website. He attached a picture of a black piece of stone that on Friday afternoon was priced at 1,488 roubles ($49.46). RARE EVENT The Emergencies Ministry described Friday's events as a "meteorite shower in the form of fireballs" and said background radiation levels were normal. It urged residents not to panic. The first footage was shot by car dashboard video cameras and soon went viral. Russians also quickly made fun at the event on the Internet. A photo montage showed Putin riding the meteorite and Nationalist politician Vladimir Zhirinovksy said in jest it was really a new weapon being tested by the United States. Experts drew comparisons with an

Figure 34: Readable View

Figure 35: Annotate Page

65

VI. DISCUSSION

A Social Bookmarking and Annotator Tool as a web based system was able to provide the necessary services to all their users. Visitors of the page have an option to register so that they too could enjoy all the tools benefits. For those who already have their accounts, they could add different objects such as notes, bookmarks and lists online. These saved objects are stored in the library's database and could be accessed anywhere for the benefit of the user. Aside from viewing such objects, the system provides update functionalities for them. And if bookmark is deemed useful, a user could even share them through different social networks. Publicly saved bookmarks by other users could also be viewed. This is helpful for the social bookmarking and annotator tool community in finding related information easier and more efficiently.

A registered user could also create groups or even join in existing ones. As an administrator, he has the right to edit group details or delete the group itself. Contents of the group page are limited depending on the setting set by the administrator.

Other than grouping, the user could follow another user. Once followed, the publicly saved bookmarks of that user would be placed in your feed. You could add them to your own account to view and personalize the bookmarks easier.

As a Google Chrome Extension, the Annotator and Bookmarking Tool allowed the user logged in to save the bookmarks and add it to the users own library. The extension lets the user edit details of saved bookmarks and also add separate notes Readable mode is also an additional feature in the extension. Here the user could view the page in a simplified layout containing only the main article of the page. Lastly, annotator and bookmarking tool

extension offers creation of annotations to that page. The user could highlight text and add comments on the current page. These annotations are public and can be viewed by anyone using the extension.

VII. CONCLUSION

The Annotator and Bookmarking tool is an application that aids users in sharing, organizing and personalizing not only their bookmarks, but also certain web information to acquire ease in online researching. This application combines the three information assimilation processes namely web annotation, bookmarking and note taking making it more effective. Also, ANT can assist their users in keeping track of the objects they are saving. Information sharing is also made easier by this application through its community based features. With that, this tool helps web users have an uncluttered internet experience.

VIII. RECOMMENDATIONS

As a "social" bookmarking tool, the system is still lacking in certain areas. One of these areas is in terms of privacy. User should have more control on what other users could view. Choosing which bookmarks are searchable and could be recommended is a plus factor.

Search function in the system could also be enhanced to cater user notes and their lists. It would be beneficial for other users to view bookmarks that are already in one category.

Improvements for the extension side of the system are also recommended. Note that the current extension is limited to only Google Chrome Users. A compatible version of the extension could be made for other browsers so that more users could enjoy its benefits.

Additional features could also be added to the extension. Since user could share the bookmarks in the system side of the tool, it would be better if this feature is also implemented in the extension.

We all know that we could save bookmarks on our own browser. It would be useful for the user if the extension could import these bookmarks and save this to the library. This would help organize all the bookmarks of the user.

Lastly, note that the annotations made in the annotator feature of the function could be viewed by anyone using the extension. It would be better if privacy settings could be added.

IX. BIBLIOGRAPHY

[1] Ow, Siew H., Omid Aghili, and Theen G. Yee. "A Review on Information Assimilation Tools."*Journal of Emerging Trends in Computing and Information Sciences* 2.2.*Computing and Information Sciences Journal*. Web. 21 Aug. 2011. <http://www.cisjournal.org/archive/vol2no2/vol2no2_5.pdf>.

[2] Reimer, Yolanda J., and Sarah A. Douglas. "Implementation Challenges Associated with Developing a Web-based E-notebook." *Journal of Digital Information* 4.3 (2004).*Texas Digital Library*. Web. 21 Aug. 2011. <http://journals.tdl.org/jodi/article/view/106/105>.

[3] Cockburn, Andy, and Bruce McKenzie. "What Do Web Users Do? An Empirical Analysis of Web Use." *International Journal of Human-Computer Studies* 54.6 (2001): 903-22. Web. 21 Aug. 2011. <http://www.cosc.canterbury.ac.nz/andrew.cockburn/papers/ijhcsAnalysis.pdf>.

[4] Denoue, Laurent, and Laurence Vignollet. "An Annotation Tool for Web Browsers and Its Applications to Information Retrieval." Web. 21 Aug. 2011. <http://citeseer.ist.psu.edu/viewdoc/summary?doi=10.1.1.36.618>.

[5] Estellés, Enrique, Esther Del Moral, and Fernando González. "Social Bookmarking Tools as Facilitators of Learning and Research Collaborative Processes: The Diigo Case." *Interdisciplinary Journal of E-Learning and Learning Objects* 6 (2010). Web. 21 Aug. 2011. <http://www.ijello.org/Volume6/IJELLOv6p175-191Estelles683.pdf>.

[6] Bogers, Toine. "Recommender Systems for Social Bookmarking." 8 Dec. 2009. Web. 29 Sept. 2011. <http://ilk.uvt.nl/~toine/publications/phd-thesis.pdf>.

[7] Reisinger, Don. "Delicious Relaunches with Mix of Old and New." *Technology News - CNET News*. 27 Sept. 2011. Web. 09 Oct. 2011. <http://news.cnet.com/8301-13506_3-20112127-17/delicious-relaunches-with-mix-of-old-and-new/>.

[8] "Diigo Blog » Introduce "Text View"€ • for Better Readability." *Diigo Blog*. 13 Sept. 2010. Web. 09 Oct. 2011. <http://blog.diigo.com/2010/09/13/introduce-text-view-for-better-readability/>.

[9] http://groups.diigo.com/group/Diigo_HQ/content/cached-pages-with-annotations-551681

[10] Cockburn, Andy, and Saul Greenberg. "Issues of Page Representation and Organisation in Web Browser's Revisitation Tools." Australian Journal of Information Systems 7 (2000): 120-27. CiteSeer. Web. <http://citeseer.ist.psu.edu/viewdoc/summary?doi=10.1.1.19.623>.

[11] Golder, Scott A., and Bernardo A. Huberma. "The Structure of Collaborative Tagging Systems." Journal of Information Science 32.2 (2006): 198-208. Web. <http://arxiv.org/ftp/cs/papers/0508/0508082.pdf>.

[12] Memmel, Martin, Michael Kockler, and Rafael Schirru. "Providing Multi Source Tag Recommendations in a Social Resource Sharing Platform." Journal of Universal Computer Science 15.3 (2009): 678-91. Web. <ttp://www.jucs.org/jucs_15_3/providing_multi_source_tag/jucs_15_03_0678_0691_memmel.pdf M. Memmel, M. Kockler and R. Schirru, "Providing multi source tag>.

[13] Rosen, Yigan, and Rikki Rimor. "Using a Collaborative Database to Enhance Students' Knowledge Construction." Interdisciplinary Journal of E-Learning and Learning Objects 5 (2009). Web. <http://ijello.org/Volume5/IJELLOv5p187-195Rosen671.pdf>.

[14]   MacMullen, W. John. "Annotation as Process, Thing, and Knowledge: Multi-domain
        Studies of Structured Data Annotation." *CiteSeer*. Web. 21 Aug. 2011.
        <http://http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.121.5723>.

[15]   Bhatnagar, Neerja, Ben A. Juliano, and Renee S. Renner. "Data Annotation
        Models."*CiteSeer*.Web.21 Aug. 2011.
        <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.114.8623&rep=rep1&type=p
        df>.

[16]   Gertz, Michael, and Kai-Uwe Sattler. "A Model and Architecture for Conceptualized
        Data Annotations." *CiteSeer*. Web. 21 Aug. 2011.
        <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.18.2908&rep=rep1&type=pdf
        >.

[17]   Gertz, Michael. "Data Annotations in Collaborative Research
        Environments." *CiteSeer*. Web. 21 Aug. 2011.
        <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.95.3672&rep=rep1&type=pdf
        >.

[18]   Huang, Cheng-Lung, and Cheng-Wei Lin. "Collaborative and Content-based
        Recommender System for Social Bookmarking Website." *World Academy of Science,
        Engineering and Technology* (2010). *World Academy of Science, Engineering and
        Technology*. Web. 21 Aug. 2011. <http://www.waset.org/journals/waset/v68/v68-
        121.pdf>.

[19]   Tauscher, Linda, and Saul Greenberg. "How People Revisit Web Pages: Empirical
        Findings and Implications for the Design of History Systems." International Journal of
        Human-Computer Studies 47.1 (1997): 97-137. Web.

<http://grouplab.cpsc.ucalgary.ca/grouplab/uploads/Publications/Publications/1997-RevisitWeb.IJHCS.pdf>.

[20]   Manolovitz, Tyler. "Diigo Description." Web. 30 Aug. 2011. <http://www.rcgov.org/pdfs/Library/Diigo_Description.pdf>.

[21]   Evans, Brynn M., and Stuart K. Card. "Augmented Information Assimilation: Social and Algorithmic Web Aids for the Information Long Tail." 5 Apr. 2008. Web. <http://brynnevans.com/papers/info-assimilation-chi08.pdf>.

[22]   http://browsers.about.com/od/addonsplugi2/a/firefoxaddon.htm

[23]   http://msdn.microsoft.com/en-us/library/aa753620(v=VS.85).aspx

[24]   http://msdn.microsoft.com/en-us/library/aa753587(VS.85).aspx

[25]   http://knol.google.com/k/recommender-systems#

[26]   Burke, Robin. "Knowledge-based Recommender Systems." Web. <http://www.google.com.ph/url?sa=t&source=web&cd=5&ved=0CD8QFjAE&url=http%3A%2F%2Fciteseer.ist.psu.edu%2Fviewdoc%2Fdownload%3Bjsessionid%3D8B36429EEE22F09D13CB22FC03C61130%3Fdoi%3D10.1.1.21.6029%26rep%3Drep1%26type%3Dpdf&rct=j&q=recommendation%20system%20uses&ei=GwF3TuSxGqaOiAf88d27DQ&usg=AFQjCNGMTtt-vPGnuuiw6m9M8TdnHPat8Q&sig2=A0cq8dtHt_sgzd2-hn-hSQ&cad=rja>.

[27]   http://www.britannica.com/EBchecked/topic/287895/information-system

[28]   http://www.uotechnology.edu.iq/dep-cs/english/subjects/1pis.pdf

[29]   http://www.merriam-webster.com/dictionary/hardware

[30]   http://www.merriam-webster.com/dictionary/software

[31]   Modern Database Management 8th Edition Jeffrey A. Hoffer, Mary B. Prescott, Fred
        R. McFadden

[32]   http://www.hermit.cc/teach/ho/dbms/dbms.htm

[33]   http://www.personal.psu.edu/glh10/ist110/topic/topic07/topic07_06.htm

[34]   http://help.getpocket.com/customer/portal/questions/354709-highlight-text-and-add-
        notes-like-kindle

[35]   http://www.theverge.com/2012/4/17/2947017/pocket-review-read-it-later-redesign

X. APPENDIX

A. PHP Files

account-settings.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_profile/profile_menu.inc');
?>
<?php
require_once('fnc_profile/content_view_accoun
t_settings.inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

add-bookmark-comment-process.php

```php
<?php
    session_start();
    require("config.php");
    require("clean.php");

    $bookmarkId=$_POST['bookmarkId'];
    $groupBookmarkId=$_POST['groupBookmarkId'
];
    $groupId=$_GET['gid'];
    if($groupId=='')
        $groupId=$_POST['groupId'];
    $bookmarkComment=$_POST['bookmarkComment'
];
    $userId = $_SESSION['user_id'];

    date_default_timezone_set("Asia/Manila");
    $date =  date("Y-m-d");
    $time = date("H:i:s");

    $insertGroupBookmarkComment =
mysql_query("INSERT INTO
groupbookmark_comment
(groupbookmarkcomment_date,groupbookmarkcomme
nt_time, groupbookmarkcomment_text,
groupbookmark_id, user_id, bookmark_id,
group_id)
            VALUES ('$date','$time',
'$bookmarkComment', '$groupBookmarkId',
'$userId', '$bookmarkId', '$groupId') ") or
die ("Query Failed!");

    $groupBookmarkCommentCount =
mysql_query("SELECT gb.groupbookmark_ccount
FROM group_bookmark gb WHERE
gb.groupbookmark_id=$groupBookmarkId") or die
("Query Failed!");
    $row =
mysql_fetch_array($groupBookmarkCommentCount)
;
    $finalCount =
$row[groupbookmark_ccount]+1;
```

```php
    $updateUserBookmark = mysql_query("UPDATE
group_bookmark SET
groupbookmark_ccount='$finalCount' WHERE
groupbookmark_id=$groupBookmarkId") or
die("Query Failed!");

    header("location: ./view-group-
page.php?gid=$groupId");

?>
```

add-bookmark-online-process.php

```php
<?php
    session_start();
    require("config.php");
    require("clean.php");
    require("validation.php");

    $urlField=clean($_POST['urlField']);
    $urlTitleField=clean($_POST['urlTitleFiel
d']);
    $tags= clean($_POST['tagField']);
    $bookmarkDescription=
clean($_POST['bookmarkDescription']);
    $privacy=$_POST['privateCheck'];
    $addToList=$_POST['addToList'];
    $userId=$_SESSION['user_id'];

    $listTitle=$_POST['listTitle'];
    $listPrivacy=$_POST['listPrivacy'];
    $listDescription=$_POST['listDescription'
];

    //validations
    if (is_valid_url($urlField)){
        if($privacy!="private")
            $privacy="public";

        if($listPrivacy!="private")
            $listPrivacy="public";

        //check for url if existing
        $checkUrl = mysql_query("SELECT
bookmark_id FROM bookmark WHERE
bookmark_url='$urlField'");
        $checkUrlNum =
mysql_num_rows($checkUrl);

        date_default_timezone_set("Asia/Manil
a");
        $date =  date("Y-m-d");
        $time = date("H:i:s");


        if($checkUrlNum==0){
            $insertBookmark =
mysql_query("INSERT INTO bookmark
(bookmark_date,bookmark_url,bookmark_firstuse
r) VALUES ('$date','$urlField','$userId')");
            $latestBookmarkId1 =
mysql_fetch_array(mysql_query("SELECT
bookmark_id FROM bookmark WHERE
bookmark_url='$urlField'"));
```

```
        $latestBookmarkId=$latestBookmark
Id1[bookmark_id];
        }

    else
    $latestBookmarkId1=
mysql_fetch_array($checkUrl);


    $latestBookmarkId=$latestBookmarkId1[
bookmark_id];

    if($addToList=='createList'){
        $insertList=mysql_query("INSERT
INTO list (list_name, list_date, list_time,
list_privacy, list_description)
        VALUES ('$listTitle', '$date',
'$time', '$privacy', '$listDescription')");

        $latestListId
= mysql_fetch_array(mysql_query("SELECT
list_id FROM list WHERE
list_name='$listTitle'"));
        $latestListId =
$latestListId['list_id'];
        $insertList=mysql_query("INSERT
INTO user_list (list_id, user_id) VALUES
('$latestListId', '$userId') ");

        $latestUserListId
= mysql_fetch_array(mysql_query("SELECT
userlist_id FROM user_list
        WHERE list_id='$latestListId' and
user_id='$userId'"));
        $latestUserListId =
$latestUserListId['userlist_id'];

        $insertUserBookmark =
mysql_query("INSERT INTO user_bookmark
(userbookmark_date, userbookmark_time,
userbookmark_privacy, bookmark_id, user_id,
userbookmark_description, userbookmark_title,
userlist_id)
            VALUES
('$date','$time','$privacy','$latestBookmarkI
d','$userId','$bookmarkDescription','$urlTitl
eField','$latestUserListId') ");

        }

    else
        $insertUserBookmark =
mysql_query("INSERT INTO user_bookmark
(userbookmark_date, userbookmark_time,
userbookmark_privacy, bookmark_id, user_id,
userbookmark_description,
userbookmark_title,userlist_id)
            VALUES
('$date','$time','$privacy','$latestBookmarkI
d','$userId','$bookmarkDescription','$urlTitl
eField','$addToList') ");


    $userBookmarkId =
mysql_fetch_array(mysql_query("SELECT
```

```
userbookmark_id FROM user_bookmark ORDER BY
bookmark_id DESC "));
    $userBookmarkId =
$userBookmarkId[userbookmark_id];

    if($tags!=''){
        $tagsSeparated = explode(',' ,
$tags);


        for ($i = 0; $i <
count($tagsSeparated); $i++){

            if($tagsSeparated[$i]!=''){
    //check if tag is not empty
                //check if tag exists
already
                $checkTag=
mysql_query("SELECT tag_id FROM tag WHERE
tag_name='$tagsSeparated[$i]'");
                $checkTagNum =
mysql_num_rows($checkTag);

                //add to tag table
                $latestTagId=0;
                if($checkTagNum==0){
                    $insertTag =
mysql_query("INSERT INTO tag (tag_name)
VALUES ('$tagsSeparated[$i]')");
                    $latestTagId =
mysql_fetch_array(mysql_query("SELECT tag_id
FROM tag WHERE
tag_name='$tagsSeparated[$i]'"));
                }

                else
                    $latestTagId =
mysql_fetch_array($checkTag);


                $latestTagId=$latestTagId
['tag_id'];

                $result =
mysql_query("INSERT INTO userbookmark_tag
(bookmark_id, userbookmark_id, user_id,
tag_id)
                SELECT ub.bookmark_id,
ub.userbookmark_id,'$userId', $latestTagId
FROM user_bookmark ub WHERE
ub.userbookmark_id='$userBookmarkId'");


                //echo "userBookmarkId:
$userBookmarkId";
                //check if tag exists
already
                $checkTag=
mysql_query("SELECT tag_id FROM user_tag
WHERE tag_id='$latestTagId'");
                $checkTagNum =
mysql_num_rows($checkTag);
                if($checkTagNum==0){
```

```php
                    $insertUserTag =
mysql_query("INSERT INTO user_tag (user_id,
tag_id)
                    VALUE ('$userId',
'$latestTagId')");
                }
            }
        }
    }
    header("location: ./view-
bookmarks.php");
    } //url valid

    else{
        header("location: ./bookmark-
error.php");
    }

?>
```

add-bookmark-process.php

```php
<?php
    session_start();
    require("config.php");
    require("clean.php");

    $title=$_POST['title'];
    $url=$_POST['url'];
    $privacy=$_POST['privacy'];
    $description=$_POST['description'];
    $tags=$_POST['tags'];
    $userlist=$_POST['userlist'];


    $userId = $_SESSION['user_id'];

    //check for url if existing
    //echo "SELECT bookmark_id FROM bookmark
WHERE bookmark_url='$url'";
    $checkUrl = mysql_query("SELECT
bookmark_id FROM bookmark WHERE
bookmark_url='$url'");
    $checkUrlNum = mysql_num_rows($checkUrl);

    date_default_timezone_set("Asia/Manila");
    $date =  date("Y-m-d");
    $time = date("H:i:s");


     if($checkUrlNum==0){
        $insertBookmark = mysql_query("INSERT
INTO bookmark
(bookmark_date,bookmark_url,bookmark_firstuse
r) VALUES ('$date','$url', '$userId')");
```

```php
        $latestBookmarkId1 =
mysql_fetch_array(mysql_query("SELECT
bookmark_id FROM bookmark WHERE
bookmark_url='$url'"));
        $latestBookmarkId=$latestBookmarkId1[
bookmark_id];
    }

    else
        $latestBookmarkId1=
mysql_fetch_array($checkUrl);


    $latestBookmarkId=$latestBookmarkId1[book
mark_id];


    //kulang pa: add to list
    //if($listAdd!='add')
    //$addToList="";

  $insertUserBookmark = mysql_query("INSERT
INTO user_bookmark (userbookmark_date,
userbookmark_time, userbookmark_privacy,
bookmark_id, user_id,
userbookmark_description,
userbookmark_title,userlist_id)
          VALUES
('$date','$time','$privacy','$latestBookmarkI
d','$userId','$description','$title','$userli
st') ");

  $userBookmarkId =
mysql_fetch_array(mysql_query("SELECT
userbookmark_id FROM user_bookmark ORDER BY
bookmark_id DESC "));
  $userBookmarkId =
$userBookmarkId[userbookmark_id];

    if($tags!=''){
        $tagsSeparated = explode(',' ,
$tags);



        for ($i = 0; $i <
count($tagsSeparated); $i++){

            if($tagsSeparated[$i]!=''){
  //check if tag is not empty
                //check if tag exists already
```

```php
                $checkTag=
mysql_query("SELECT tag_id FROM tag WHERE
tag_name='$tagsSeparated[$i]'");
                $checkTagNum =
mysql_num_rows($checkTag);



                //add to tag table
                $latestTagId=0;
                if($checkTagNum==0){
                    $insertTag =
mysql_query("INSERT INTO tag (tag_name)
VALUES ('$tagsSeparated[$i]')");
                    $latestTagId =
mysql_fetch_array(mysql_query("SELECT tag_id
FROM tag WHERE
tag_name='$tagsSeparated[$i]'"));
                }

                else
                    $latestTagId =
mysql_fetch_array($checkTag);


                $latestTagId=$latestTagId['ta
g_id'];


                $result = mysql_query("INSERT
INTO userbookmark_tag (bookmark_id,
userbookmark_id, user_id, tag_id)
                SELECT ub.bookmark_id,
ub.userbookmark_id,$userId, $latestTagId FROM
user_bookmark ub WHERE
ub.userbookmark_id='$userBookmarkId'");


                //echo "userBookmarkId:
$userBookmarkId";
                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM user_tag
WHERE tag_id='$latestTagId'");
                $checkTagNum =
mysql_num_rows($checkTag);
                if($checkTagNum==0){
                    $insertUserTag =
mysql_query("INSERT INTO user_tag (user_id,
tag_id)
                VALUE ('$userId',
'$latestTagId')");
                }
```

```php
        }
    }
}

$arr = array
('userBookmarkId'=>$userBookmarkId);
    $jsonOBJ = json_encode($arr);
    echo $jsonOBJ;


?>
```

add-bookmarks.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_bookmarks/bookmarks_menu.in
c');?>
<?php
require_once('fnc_bookmarks/content_add_bookm
arks.inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

add-list-comment-process.php

```php
<?php
    require("config.php");
    require("clean.php");

    $listId=$_POST['listId'];
    $groupListId=$_POST['groupListId'];
    $groupId=$_GET['gid'];
    if($groupId=='')
        $groupId=$_POST['groupId'];
    $listComment=$_POST['listComment'];
    $userId = $_SESSION['user_id'];



    $insertGrouplistComment =
mysql_query("INSERT INTO grouplist_comment
(grouplistcomment_text, grouplist_id,
user_id, list_id, group_id)
        VALUES ('$listComment',
'$groupListId', '$userId', '$listId',
'$groupId') ") or die ("Query
Failed!");
```

78

```php
    $groupListCommentCount =
mysql_query("SELECT gb.grouplist_ccount FROM
group_list gb WHERE
gb.grouplist_id=$groupListId") or die ("Query
Failed!");
    $row =
mysql_fetch_array($groupListCommentCount);
    $finalCount = $row[grouplist_ccount]+1;

    $updateUserlist = mysql_query("UPDATE
group_list SET grouplist_ccount='$finalCount'
WHERE grouplist_id=$groupListId") or
die("Query Failed!");

    header("location: ./view-group-
page.php?gid=6");

?>
```

add-note-process.php

```php
<?php
    session_start();
    require("config.php");
    require("clean.php");

    $noteText = $_POST['noteText'];
    $noteTitle = $_POST['noteTitle'];
    $noteTags = $_POST['noteTags'];
    $notePrivacy = $_POST['notePrivacy'];

    $userId = $_SESSION['user_id'];

    if($userId=="")
        $userId='1';

    date_default_timezone_set("Asia/Manila");
    $date =  date("Y-m-d");
    $time = date("H:i:s");


    $insertNote = mysql_query("INSERT INTO
note (note_title, note_text,
note_privacy,user_id, note_date, note_time)
VALUES
    ('$noteTitle','$noteText','$notePrivacy',
'$userId', '$date', '$time')") or die("Query
Failed!");
    $getNoteId =
mysql_fetch_array(mysql_query("SELECT note_id
FROM note WHERE note_title='$noteTitle' AND
user_id='$userId'"));
```

```php
    $noteId = $getNoteId['note_id'];


    if($noteTags!=''){
        $noteTagsSeparated = explode(',',
$noteTags);

        for ($i = 0; $i <
count($noteTagsSeparated); $i++){

            if($noteTagsSeparated[$i]!=''){
        //check if tag is not empty
                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM tag WHERE
tag_name='$noteTagsSeparated[$i]'");
                $checkTagNum =
mysql_num_rows($checkTag);

                //add to tag table
                $latestTagId=0;
                if($checkTagNum==0){
                    $insertTag =
mysql_query("INSERT INTO tag (tag_name)
VALUES ('$noteTagsSeparated[$i]')");
                    $latestTagId =
mysql_fetch_array(mysql_query("SELECT tag_id
FROM tag WHERE
tag_name='$noteTagsSeparated[$i]'"));
                }

                else
                    $latestTagId =
mysql_fetch_array($checkTag);


                $latestTagId=$latestTagId['ta
g_id'];

                $result = mysql_query("
INSERT INTO note_tag (note_id, user_id,
tag_id)
                SELECT n.note_id, '$userId',
$latestTagId FROM note n WHERE
n.note_id='$noteId' ");

                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM user_tag
WHERE tag_id='$latestTagId'");
                $checkTagNum =
mysql_num_rows($checkTag);
```

```
                    if($checkTagNum==0){
                        $insertUserTag =
mysql_query("INSERT INTO user_tag (user_id,
tag_id)
                        VALUE ('$userId',
'$latestTagId')");
                    }

                }
            }
        }


?>
```

approve-membership.php

```
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_groups/group_page_members.i
nc');?>
<?php
if($_POST['submitValue']=="Approve" ){
    require_once('fnc_groups/content_approve_
membership.inc');}

else if($_POST['submitValue']=="Do not
Approve"){
    require_once('fnc_groups/content_donotapp
rove_membership.inc');
    }

?>
<?php
require_once('fnc_groups/group_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

bookmark-error.php

```
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_bookmarks/bookmarks_menu.in
c');?>
<?php
require_once('fnc_bookmarks/content_bookmark_
error.inc');?>
<?php require_once('content_tags.inc');?>
```

```
<!---end body--->
<?php require_once('footer.inc');?>
```

bookmarks.php

```
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_bookmarks/bookmarks_menu.in
c');?>
<?php
require_once('fnc_bookmarks/content_view_book
marks.inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

change-password-process.php

```
<?php
    session_start();
    require("config.php");
    require("clean.php");

    $userId=$_SESSION['user_id'];

    $oldPassword =
clean($_POST['oldPassword']);
    $newPassword
= clean($_POST['newPassword']);
    $retypePassword =
clean($_POST['retypePassword']);

    $userAccountDetails = mysql_query("SELECT
user_password FROM user WHERE
user_id=$userId") or die ("Query Failed!");
    $row =
mysql_fetch_array($userAccountDetails);

    if(md5($oldPassword)==$row[user_password]
&& $newPassword==$retypePassword){
        $newPassword = md5($newPassword);
        $updateUserInfo = mysql_query("UPDATE
user SET user_password='$newPassword' WHERE
user_id='$userId'") or die("Query Failed!");
        header("location: ./change-
password.php?status=success");
    }
    else
        header("location: ./change-
password.php?status=failed");
```

```
?>
```

check-login-process.php

```php
<?php
    session_start();
    require("config.php");
    require("clean.php");

    $userId = $_SESSION['user_id'];

    if($userId=="")
        echo "false";

    else
        echo "true";
?>
```

clean.php

```php
<?php
    function clean($str) {
    $str = @trim($str);
    if(get_magic_quotes_gpc()) {
        $str = stripslashes($str);
    }
    return mysql_real_escape_string($str);
    }
?>
```

community.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_community/community_menu.in
c');?>
<?php
require_once('fnc_community/content_community
.inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

config.php

```php
<?php
    define('DB_HOST', 'localhost');
    define('DB_USER', ' AnnotBookmark');
    define('DB_PASSWORD', ' rerKVAppWHx5AGUq
');
    define('DB_DATABASE', 'AnnotBookmark');
```

```php
    $conn=mysql_pconnect(DB_HOST, DB_USER,
DB_PASSWORD) or die ("Error connecting to " .
DB_DATABASE);
    mysql_select_db(DB_DATABASE) or die
("Error: Cannot access " . DB_DATABASE .
"database");
?>
```

create-group-process.php

```php
<?php
    session_start();
    require("config.php");
    require("clean.php");

    $groupName=clean($_POST['groupName']);
    $groupDescription=clean($_POST['groupDesc
ription']);
    $tags=clean($_POST['groupTags']);
    $groupCategory=clean($_POST['groupCategor
y']);
    $groupView=clean($_POST['groupView']);
    $groupJoin=clean($_POST['groupJoin']);
    $userId = $_SESSION['user_id'];
    $groupModerator=$userId; //change pag may
registration na


    date_default_timezone_set("Asia/Manila");
    $date =  date("Y-m-d");
    $time = date("H:i:s");


    $insertGroup = mysql_query("INSERT INTO
groups (group_name, group_description,
group_privacy, group_category, group_date,
group_time, group_join, group_member_num,
group_moderator )
    VALUES ('$groupName',
'$groupDescription', '$groupView',
'$groupCategory', '$date', '$time ',
'$groupJoin', '1', '$groupModerator')");
    $getGroupId =
mysql_fetch_array(mysql_query("SELECT
group_id FROM groups WHERE
group_name='$groupName' AND
group_moderator='$userId'"));
    $groupId = $getGroupId['group_id'];
    //echo "gid:".$groupId;

    $insertUserGroup = mysql_query("INSERT
INTO user_group (group_id, user_id,
```

```
usergroup_type) VALUES ('$groupId',
'$userId', 'administrator')");

    $insertGroupMember = mysql_query("INSERT
INTO group_member (group_id, user_id,
user_type) VALUES ('$groupId', '$userId',
'administrator')");

    if($tags!=''){
        $tagsSeparated = explode(',' ,
$tags);

        for ($i = 0; $i <
count($tagsSeparated); $i++){
            if($tagsSeparated[$i]!=''){
    //check if tag is not empty
                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM tag WHERE
tag_name='$tagsSeparated[$i]'");
                $checkTagNum =
mysql_num_rows($checkTag);

                //add to tag table
                $latestTagId=0;
                if($checkTagNum==0){
                    $insertTag =
mysql_query("INSERT INTO tag (tag_name)
VALUES ('$tagsSeparated[$i]')");
                    $latestTagId =
mysql_fetch_array(mysql_query("SELECT tag_id
FROM tag WHERE
tag_name='$tagsSeparated[$i]'"));
                }

                else
                    $latestTagId =
mysql_fetch_array($checkTag);

                $latestTagId=$latestTagId['ta
g_id'];

                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM group_tag
WHERE tag_id='$latestTagId'");
                $checkTagNum =
mysql_num_rows($checkTag);
                if($checkTagNum==0){
```

```
                $insertUserTag =
mysql_query("INSERT INTO group_tag (group_id,
tag_id)
                    VALUE ('$userId',
'$latestTagId')");
                }

            } // check if tag is not empty

        } // for loop for tags
    }

    header("location: ./view-groups.php");
?>
```

create-groups.php

```
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_groups/groups_menu.inc');?>
<?php
require_once('fnc_groups/content_create_group
s.inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

create-lists-process.php

```
<?php
    session_start();
    require("config.php");
    require("clean.php");

    $userId = $_SESSION['user_id'];
    $listTitle=clean($_POST['listTitle']);
    $privacy=clean($_POST['listPrivacy']);
    $listDescription=clean($_POST['listDescri
ption']);

    date_default_timezone_set("Asia/Manila");
    $date =  date("Y-m-d");
    $time = date("H:i:s");

    if($privacy!="private")
        $privacy="public";

    $insertList=mysql_query("INSERT INTO list
(list_name, list_date, list_time,
list_privacy, list_description)
```

82

```php
    VALUES ('$listTitle', '$date', '$time',
'$privacy', '$listDescription')");

    $latestListId
=  mysql_fetch_array(mysql_query("SELECT
list_id FROM list WHERE
list_name='$listTitle'"));
    $latestListId = $latestListId['list_id'];
    $insertList=mysql_query("INSERT INTO
user_list (list_id, user_id) VALUES
('$latestListId', '$userId') ");

    header("location: ./view-
lists.php");
?>
```

create-lists.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_lists/lists_menu.inc');?>
<?php
require_once('fnc_lists/content_create_lists.
inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

create-notes-process.php

```php
<?php
    session_start();
    require("config.php");
    require("clean.php");
    $noteBody=clean($_POST['noteBody']);
    $tags=clean($_POST['noteTags']);
    $noteTitle=clean($_POST['noteTitle']);
    $privacy=$_POST['privateCheck'];
    $notelistId=$_POST['addToList'];
    $userId = $_SESSION['user_id'];

    $listTitle=$_POST['listTitle'];
    $listPrivacy=$_POST['listPrivacy'];
    $listDescription=$_POST['listDescription'
];

    if($privacy!="private")
        $privacy="public";
```

```php
    if($listPrivacy!="private")
        $listPrivacy="public";


    date_default_timezone_set("Asia/Manila");
    $date =  date("Y-m-d");
    $time = date("H:i:s");


    if($notelistId=='createList'){
        $insertList=mysql_query("INSERT INTO
list (list_name, list_date, list_time,
list_privacy, list_description)
        VALUES ('$listTitle', '$date',
'$time', '$privacy', '$listDescription')");

        $latestListId
=  mysql_fetch_array(mysql_query("SELECT
list_id FROM list WHERE
list_name='$listTitle'"));
        $latestListId =
$latestListId['list_id'];
        $insertList=mysql_query("INSERT INTO
user_list (list_id, user_id) VALUES
('$latestListId', '$userId') ");

        $latestUserListId
=  mysql_fetch_array(mysql_query("SELECT
userlist_id FROM user_list
        WHERE list_id='$latestListId' and
user_id='$userId'"));
        $latestUserListId =
$latestUserListId['userlist_id'];

        $insertNote = mysql_query("INSERT
INTO note (note_title, note_text,
note_privacy, user_id,notelist_id, note_date,
note_time)
        VALUES
('$noteTitle','$noteBody','$privacy','$userId
','$latestUserListId', '$date', '$time')") or
die("Query Failed!");
    }

    else
        $insertNote = mysql_query("INSERT
INTO note (note_title, note_text,
note_privacy, user_id,notelist_id, note_date,
note_time)
        VALUES
('$noteTitle','$noteBody','$privacy','$userId
```

```php
','$notelistId', '$date', '$time')") or
die("Query Failed!");

    $getNoteId =
mysql_fetch_array(mysql_query("SELECT note_id
FROM note WHERE note_title='$noteTitle' AND
user_id='$userId'"));
    $noteId = $getNoteId['note_id'];


    if($tags!=''){
        $tagsSeparated = explode(',', $tags);

        for ($i = 0; $i <
count($tagsSeparated); $i++){

            if($tagsSeparated[$i]!=''){
   //check if tag is not empty
                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM tag WHERE
tag_name='$tagsSeparated[$i]'");
                $checkTagNum =
mysql_num_rows($checkTag);

                //add to tag table
                $latestTagId=0;
                if($checkTagNum==0){
                    $insertTag =
mysql_query("INSERT INTO tag (tag_name)
VALUES ('$tagsSeparated[$i]')");
                    $latestTagId =
mysql_fetch_array(mysql_query("SELECT tag_id
FROM tag WHERE
tag_name='$tagsSeparated[$i]'"));
                }

                else
                    $latestTagId =
mysql_fetch_array($checkTag);


                $latestTagId=$latestTagId['ta
g_id'];


                $result = mysql_query("
INSERT INTO note_tag (note_id, user_id,
tag_id)
                SELECT n.note_id, '$userId',
$latestTagId FROM note n WHERE
n.note_id='$noteId' ");
```

```php
                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM user_tag
WHERE tag_id='$latestTagId'");
                $checkTagNum =
mysql_num_rows($checkTag);
                if($checkTagNum==0){
                    $insertUserTag =
mysql_query("INSERT INTO user_tag (user_id,
tag_id)
                    VALUE ('$userId',
'$latestTagId')");
                }

            }
        }
    }

    header("location: ./view-notes.php");
?>
```

create-notes.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_notes/notes_menu.inc');?>
<?php
require_once('fnc_notes/content_create_notes.
inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

edit-bookmarks-process.php

```php
<?php
    session_start();
    require("config.php");
    require("clean.php");

    $bookmarkUrl =
clean($_POST['bookmarkUrl']);
    $bookmarkTitle =
clean($_POST['bookmarkTitle']);
    $bookmarkDesc =
clean($_POST['bookmarkDesc']);
    $bookmarkTags =
clean($_POST['bookmarkTags']);
    $userBookmarkId =
clean($_POST['userBookmarkId']);
```

84

```php
    $userBookmarkList =
clean($_POST['addToList']);
    $privacy=$_POST['privateCheck'];
    $referer=clean($_POST['referer']);
    $userId = $_SESSION['user_id'];

    $listTitle=$_POST['listTitle'];
    $listPrivacy=$_POST['listPrivacy'];
    $listDescription=$_POST['listDescription'
];

    if($privacy!="private")
        $privacy="public";

    if($listPrivacy!="private")
        $listPrivacy="public";


    //check for url if existing

    $checkUrl = mysql_query("SELECT
bookmark_id FROM bookmark WHERE
bookmark_url='$bookmarkUrl'");
    $checkUrlNum = mysql_num_rows($checkUrl);

    date_default_timezone_set("Asia/Manila");
    $date =  date("Y-m-d");
    $time = date("H:i:s");

     if($checkUrlNum==0){
        $insertBookmark = mysql_query("INSERT
INTO bookmark
(bookmark_date,bookmark_url,bookmark_firstuse
r) VALUES ('$date','$bookmarkUrl',
'$userId')");
        $latestBookmarkId1 =
mysql_fetch_array(mysql_query("SELECT
bookmark_id FROM bookmark WHERE
bookmark_url='$bookmarkUrl'"));
        $latestBookmarkId=$latestBookmarkId1[
bookmark_id];
      }

   else
    $latestBookmarkId1=
mysql_fetch_array($checkUrl);


    $latestBookmarkId=$latestBookmarkId1[book
mark_id];

    if($userBookmarkList=='createList'){
```

```php
        $insertList=mysql_query("INSERT INTO
list (list_name, list_date, list_time,
list_privacy, list_description)
        VALUES ('$listTitle', '$date',
'$time', '$privacy', '$listDescription')");

        $latestListId
= mysql_fetch_array(mysql_query("SELECT
list_id FROM list WHERE
list_name='$listTitle'"));
        $latestListId =
$latestListId['list_id'];
        $insertList=mysql_query("INSERT INTO
user_list (list_id, user_id) VALUES
('$latestListId', '$userId') ");

        $latestUserListId
= mysql_fetch_array(mysql_query("SELECT
userlist_id FROM user_list
        WHERE list_id='$latestListId' and
user_id='$userId'"));
        $latestUserListId =
$latestUserListId['userlist_id'];

        $updateUserBookmark =
mysql_query("UPDATE user_bookmark SET
userbookmark_description='$bookmarkDesc',
bookmark_id='$latestBookmarkId',
userbookmark_privacy='$privacy',
userlist_id='$latestUserListId',
        userbookmark_title='$bookmarkTitle'
WHERE userbookmark_id='$userBookmarkId'") or
die("Query Failed!");

    }
    else
        $updateUserBookmark =
mysql_query("UPDATE user_bookmark SET
userbookmark_description='$bookmarkDesc',
bookmark_id='$latestBookmarkId',
userbookmark_privacy='$privacy',
userlist_id='$userBookmarkList',
            userbookmark_title='$bookmarkTitl
e' WHERE userbookmark_id='$userBookmarkId'")
or die("Query Failed!");

    $deleteTags = mysql_query("DELETE FROM
userbookmark_tag WHERE
userbookmark_id='$userBookmarkId'") or
die("Query Failed!");

    if($bookmarkTags!=''){
```

```php
        $tagsSeparated = explode(',' ,
$bookmarkTags);

        for ($i = 0; $i <
count($tagsSeparated); $i++){
            if($tagsSeparated[$i]!=''){
    //check if tag is not empty
                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM tag WHERE
tag_name='$tagsSeparated[$i]'");
                $checkTagNum =
mysql_num_rows($checkTag);

                //add to tag table
                $latestTagId=0;
                if($checkTagNum==0){
                    $insertTag =
mysql_query("INSERT INTO tag (tag_name)
VALUES ('$tagsSeparated[$i]')");
                    $latestTagId =
mysql_fetch_array(mysql_query("SELECT tag_id
FROM tag WHERE
tag_name='$tagsSeparated[$i]'"));
                }

                else
                    $latestTagId =
mysql_fetch_array($checkTag);


                $latestTagId=$latestTagId['ta
g_id'];

                $result = mysql_query("INSERT
INTO userbookmark_tag (bookmark_id,
userbookmark_id, user_id, tag_id)
                SELECT ub.bookmark_id,
ub.userbookmark_id,'$userId', $latestTagId
FROM user_bookmark ub WHERE
ub.userbookmark_id='$userBookmarkId'");


                //echo "userBookmarkId:
$userBookmarkId";
                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM user_tag
WHERE tag_id='$latestTagId' AND
user_id='$userId'");
                $checkTagNum =
mysql_num_rows($checkTag);
```

```php
            if($checkTagNum==0){
                $insertUserTag =
mysql_query("INSERT INTO user_tag (user_id,
tag_id)
                VALUE ('$userId',
'$latestTagId')");
                }
            }
        }
    }

    $userListId = mysql_query("SELECT list_id
from user_list where
userlist_id='$userBookmarkList'");
    $userListId1 =
mysql_fetch_array($userListId);

    if ($referer=='fromList'){
        header("location: ./view-list-
content.php?lid=$userListId1[list_id]");
    }

    else
        header("location: ./view-
bookmarks.php");

?>
```

edit-delete-bookmarks.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
    if($_POST['referer']=='fromList'){
        require_once('fnc_lists/lists_menu.in
c');
    }

    else{
        require_once('fnc_bookmarks/bookmarks
_menu.inc');
    }

    if($_POST['submitValue']=="Edit
Bookmark"){
        require_once('fnc_bookmarks/content_e
dit_bookmarks.inc');}

    else if($_POST['submitValue']=="Delete
Bookmark"){
```

```php
        require_once('fnc_bookmarks/content_d
elete_bookmarks.inc');
        }

    else if($_POST['submitValue']=="Share
Bookmark to Group"){
        require_once('fnc_bookmarks/content_s
hare_to_group_bookmarks.inc');
        }


    else if($_POST['submitValue']=="Delete
Bookmark From List"){
        require_once('fnc_lists/content_delet
e_bookmarks_from_list.inc');
    }
?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

edit-delete-group-bookmarks.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_groups/group_page_members.i
nc');?>
<?php
if($_POST['submitValue']=="Edit" ||
$_POST['submitValue']=="Edit Bookmark"){
    require_once('fnc_groups/content_edit_gro
up_bookmarks.inc');}

else if($_POST['submitValue']=="Delete" ||
$_POST['submitValue']=="Delete Bookmark" ){
    require_once('fnc_groups/content_delete_g
roup_bookmarks.inc');
    }

else if($_POST['submitValue']=="Comments"){
    require_once('fnc_groups/content_comment_
group_bookmarks.inc');
    }

else if($_POST['submitValue']=="Delete
Bookmark From List"){
        require_once('fnc_groups/content_dele
te_groupbookmarks_from_list.inc');
    }
```

```php
else if($_POST['submitValue']=="Like"){
    require_once('like-group-bookmark-
process.php');}

else if($_POST['submitValue']=="Spam"){
    require_once('spam-group-bookmark-
process.php');}

?>
<?php
require_once('fnc_groups/group_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

edit-delete-group-lists.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_groups/group_page_members.i
nc');?>
<?php
if($_POST['submitValue']=="Edit"){
    require_once('fnc_groups/content_edit_gro
up_lists.inc');}

else if($_POST['submitValue']=="Delete"){
    require_once('fnc_groups/content_delete_g
roup_lists.inc');}

else if($_POST['submitValue']=="Comments"){
    require_once('fnc_groups/content_comment_
group_lists.inc');}

else if($_POST['submitValue']=="Like"){
    require_once('like-group-list-
process.php');}

else if($_POST['submitValue']=="Spam"){
    require_once('spam-group-list-
process.php');}

?>
<?php
require_once('fnc_groups/group_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

edit-delete-groups.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
```

87

```php
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_groups/groups_menu.inc');?>
<?php
    if($_POST['submitValue']=="Edit Group"){
        require_once('fnc_groups/content_edit
_groups.inc');}

    else if($_POST['submitValue']=="Delete
Group"){
        require_once('fnc_groups/content_dele
te_groups.inc');}

    else if($_POST['submitValue']=="Approve
Group Members"){
        require_once('fnc_groups/content_appr
ove_groups.inc');}
?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

edit-delete-lists.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_lists/lists_menu.inc');?>
<?php
    if($_POST['submitValue']=="Edit"){
        require_once('fnc_lists/content_edit_
lists.inc');}

    else if($_POST['submitValue']=="Delete"){
        require_once('fnc_lists/content_delet
e_lists.inc');}
?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

edit-delete-notes.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_notes/notes_menu.inc');?>
<?php
    if($_POST['submitValue']=="Edit"){
        require_once('fnc_notes/content_edit_
notes.inc');}
```

```php
    else if($_POST['submitValue']=="Delete"){
        require_once('fnc_notes/content_delet
e_notes.inc');}
?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

edit-group-bookmarks-process.php

```php
<?php
    session_start();
    require("config.php");
    require("clean.php");


    $userId = $_SESSION['user_id'];

    $bookmarkTitle =
clean($_POST['bookmarkTitle']);
    $bookmarkDesc =
clean($_POST['bookmarkDesc']);
    $bookmarkTags =
clean($_POST['bookmarkTags']);
    $groupBookmarkId =
clean($_POST['groupBookmarkId']);
    $groupId = clean($_POST['groupId']);
    $referer = clean($_POST['referer']);

    $groupBookmarkList=$_POST['addToList'];
    $listTitle=$_POST['listTitle'];
    $listPrivacy=$_POST['listPrivacy'];
    $listDescription=$_POST['listDescription'
];


    if($groupBookmarkList=='createList'){
        $insertList=mysql_query("INSERT INTO
list (list_name, list_date, list_time,
list_privacy, list_description)
        VALUES ('$listTitle', '$date',
'$time', '$privacy', '$listDescription')");

        $latestListId
= mysql_fetch_array(mysql_query("SELECT
list_id FROM list WHERE
list_name='$listTitle'"));
        $latestListId =
$latestListId['list_id'];
        $insertList=mysql_query("INSERT INTO
group_list (list_id, group_id, user_id)
```

```php
VALUES ('$latestListId', '$groupId',
'$userId') ");

        $latestGroupListId
= mysql_fetch_array(mysql_query("SELECT
grouplist_id FROM group_list
        WHERE list_id='$latestListId' and
group_id='$groupId'"));
        $groupBookmarkList =
$latestGroupListId['grouplist_id'];

        //$updateUserBookmark =
mysql_query("UPDATE group_bookmark SET
groupbookmark_description='$bookmarkDesc',
bookmark_id='$latestBookmarkId',
groupbookmark_privacy='$privacy',
grouplist_id='$latestGroupListId',
        //groupbookmark_title='$bookmarkTitle
' WHERE groupbookmark_id='$groupBookmarkId'")
or die("Query Failed!");
    }

    else
        $updategroupBookmark =
mysql_query("UPDATE group_bookmark SET
groupbookmark_description='$bookmarkDesc',
        grouplist_id='$groupBookmarkList',gro
upbookmark_title='$bookmarkTitle' WHERE
groupbookmark_id='$groupBookmarkId'") or
die("Query Failed!");

    $deleteTags = mysql_query("DELETE FROM
groupbookmark_tag WHERE
groupbookmark_id='$groupBookmarkId'") or
die("Query Failed!");

    if($bookmarkTags!=''){
        $tagsSeparated = explode(',' ,
$bookmarkTags);

        for ($i = 0; $i <
count($tagsSeparated); $i++){
            if($tagsSeparated[$i]!=''){
    //check if tag is not empty
                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM tag WHERE
tag_name='$tagsSeparated[$i]'");
                $checkTagNum =
mysql_num_rows($checkTag);

                //add to tag table
```

```php
                $latestTagId=0;
                if($checkTagNum==0){
                    $insertTag =
mysql_query("INSERT INTO tag (tag_name)
VALUES ('$tagsSeparated[$i]')");
                    $latestTagId =
mysql_fetch_array(mysql_query("SELECT tag_id
FROM tag WHERE
tag_name='$tagsSeparated[$i]'"));
                }

                else
                    $latestTagId =
mysql_fetch_array($checkTag);


                $latestTagId=$latestTagId['ta
g_id'];

                $result = mysql_query("INSERT
INTO groupbookmark_tag (bookmark_id,
groupbookmark_id, group_id, tag_id)
                SELECT gb.bookmark_id,
gb.groupbookmark_id,'$groupId', $latestTagId
FROM group_bookmark gb WHERE
gb.groupbookmark_id='$groupBookmarkId'");


                //echo "groupBookmarkId:
$groupBookmarkId";
                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM group_tag
WHERE tag_id='$latestTagId' AND
group_id='$groupId'");
                $checkTagNum =
mysql_num_rows($checkTag);
                if($checkTagNum==0){
                    $insertgroupTag =
mysql_query("INSERT INTO group_tag (group_id,
tag_id)
                    VALUE ('$groupId',
'$latestTagId')");
                }
            }
        }
    }
    //echo "asdasd".$groupBookmarkList;

    if ($referer=='fromList'){
```

```php
        header("location: ./view-grouplist-
content.php?lid=$groupBookmarkList&gid=$group
Id");
    }

    else
        header("location: ./view-group-
page.php?gid=$groupId");

?>
```

edit-group-lists-process.php

```php
<?php
    require("config.php");
    require("clean.php");

    $listName = clean($_POST['listName']);
    $listDesc = clean($_POST['listDesc']);
    $groupListId=clean($_POST['groupListId'])
;
    $listId=clean($_POST['listId']);
    $groupId=clean($_POST['groupId']);

    /*
        kulang pa:
        privacy
    */
    $updateList=mysql_query("UPDATE list SET
list_name='$listName',list_description='$list
Desc' WHERE list_id='$listId'");



    header("location: ./view-group-
page.php?gid=$groupId");
?>
```

edit-groups-process.php

```php
<?php
    require("config.php");
    require("clean.php");

    $groupName = clean($_POST['groupName']);
    $groupDescription =
clean($_POST['groupDescription']);
    $groupTags = clean($_POST['groupTags']);
    $groupCategory =
clean($_POST['groupCategory']);
    $groupView = clean($_POST['groupView']);
    $groupJoin = clean($_POST['groupJoin']);
    $groupId = clean($_POST['groupId']);
```

```php
    $userId = $_SESSION['user_id'];

    $updateGroup = mysql_query("UPDATE groups
SET group_name='$groupName',
group_description='$groupDescription',
group_privacy='$groupView',
group_category='$groupCategory',
group_join='$groupJoin' WHERE
group_id='$groupId'") or die ("Query
Failed!");
    $deleteTags = mysql_query("DELETE FROM
group_tag WHERE group_id='$groupId'") or
die("Query Failed!");

    if($groupTags!=''){
        $tagsSeparated = explode(',' ,
$groupTags);


        for ($i = 0; $i <
count($tagsSeparated); $i++){
            if($tagsSeparated[$i]!=''){
    //check if tag is not empty
                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM tag WHERE
tag_name='$tagsSeparated[$i]'");
                $checkTagNum =
mysql_num_rows($checkTag);

                //add to tag table
                $latestTagId=0;
                if($checkTagNum==0){
                    $insertTag =
mysql_query("INSERT INTO tag (tag_name)
VALUES ('$tagsSeparated[$i]')");
                    $latestTagId =
mysql_fetch_array(mysql_query("SELECT tag_id
FROM tag WHERE
tag_name='$tagsSeparated[$i]'"));
                }

                else
                    $latestTagId =
mysql_fetch_array($checkTag);


                $latestTagId=$latestTagId['ta
g_id'];


                $result = mysql_query("INSERT
INTO group_tag (group_id, tag_id)
```

```php
                SELECT g.group_id,
$latestTagId FROM groups g WHERE
g.group_id='$groupId'");

                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM user_tag
WHERE tag_id='$latestTagId'");
                $checkTagNum =
mysql_num_rows($checkTag);
                if($checkTagNum==0){
                    $insertUserTag =
mysql_query("INSERT INTO user_tag (user_id,
tag_id)
                    VALUE ('$userId',
'$latestTagId')");
                }

            }
        }
    }

    header("location: ./view-groups.php");
?>
```

edit-lists-process.php

```php
<?php
    require("config.php");
    require("clean.php");

    $listName = clean($_POST['listName']);
    $listDesc = clean($_POST['listDesc']);
    $userListId=clean($_POST['userListId']);
    $listId=clean($_POST['listId']);

    /*
        kulang pa:
        privacy
    */
    $updateList=mysql_query("UPDATE list SET
list_name='$listName',list_description='$list
Desc' WHERE list_id='$listId'");


    header("location: ./view-lists.php");
?>
```

edit-notes-process.php

```php
<?php
    session_start();
    require("config.php");
```

```php
    require("clean.php");

    $noteTitle=clean($_POST['noteTitle']);
    $noteText=clean($_POST['noteText']);
    $noteId=clean($_POST['noteId']);
    $noteTags = clean($_POST['noteTags']);
    $userId = $_SESSION['user_id'];

    /*kulang pa:
    note_privacy
    note list
    delete tags sa user_tags

    echo "$noteTitle <br />
    $noteText <br />
    $noteId <br />
    $noteTags <br />";*/

    $updateNote = mysql_query("UPDATE note
SET note_title='$noteTitle',
note_text='$noteText' WHERE
note_id='$noteId'") or die("Query Failed!");
    $deleteTags = mysql_query("DELETE FROM
note_tag WHERE note_id='$noteId'") or
die("Query Failed!");

    if($noteTags!=""){
    $tagsSeparated = explode(',', $noteTags);


        for ($i = 0; $i <
count($tagsSeparated); $i++){

            if($tagsSeparated[$i]!=''){
    //check if tag is not empty
                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM tag WHERE
tag_name='$tagsSeparated[$i]'");
                $checkTagNum =
mysql_num_rows($checkTag);

                //add to tag table
                $latestTagId=0;
                if($checkTagNum==0){
                    $insertTag =
mysql_query("INSERT INTO tag (tag_name)
VALUES ('$tagsSeparated[$i]')");
                    $latestTagId =
mysql_fetch_array(mysql_query("SELECT tag_id
FROM tag WHERE
tag_name='$tagsSeparated[$i]'"));
                }
```

```
                else
                    $latestTagId =
mysql_fetch_array($checkTag);


                $latestTagId=$latestTagId['ta
g_id'];

                $result = mysql_query("
INSERT INTO note_tag (note_id, user_id,
tag_id)
                SELECT n.note_id, '$userId',
$latestTagId FROM note n WHERE
n.note_id='$noteId' ");

                //check if tag exists already
                $checkTag=
mysql_query("SELECT tag_id FROM user_tag
WHERE tag_id='$latestTagId'");
                $checkTagNum =
mysql_num_rows($checkTag);
                if($checkTagNum==0){
                    $insertUserTag =
mysql_query("INSERT INTO user_tag (user_id,
tag_id)
                    VALUE ('$userId',
'$latestTagId')");
                }
            }
        }
    }
    header("location: ./view-notes.php");
?>
```

edit-user-info-process.php

```
<?php
    session_start();
    require("config.php");
    require("clean.php");

    $userId=$_SESSION['user_id'];

    $userTitle = clean($_POST['userTitle']);
    $userFistName
= clean($_POST['userFistName']);
    $userLastName  =
clean($_POST['userLastName']);
    $userGender
= clean($_POST['userGender']);
    $userEmail  = clean($_POST['userEmail']);
```

```
    $userDesc =  clean($_POST['userDesc']);

    $updateUserInfo = mysql_query("UPDATE
user SET
user_firstname='$userFistName',user_lastname=
'$userLastName',user_description='$userDesc',

    user_gender='$userGender',
user_title='$userTitle',
user_email='$userEmail' WHERE
user_id='$userId'") or die("Query Failed!");


    header("location: ./view-
profile.php?uid=$userId");

?>
```

edit-user-info.php

```
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_profile/profile_menu.inc');
?>
<?php
    if($_POST['submitValue']=="Edit"){
     require_once('fnc_profile/content_edit_u
ser_info.inc');
    }

    else if($_POST['submitValue']=="Follow
User"){
     require_once('fnc_profile/content_follow
_user.inc');
    }

    else if($_POST['submitValue']=="Unfollow
User"){
     require_once('fnc_profile/content_unfoll
ow_user.inc');
    }
?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

extension.php

```
<?php require_once('header.inc');?>
    <!---- body  --->
```

```php
<?php require_once('navigation.inc');?>
<?php require_once('index_menu.inc');?>
<?php
require_once('content_extension.inc');?>
<?php require_once('dl_extension.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

feed.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_profile/user_menu.inc');?>
<?php
require_once('fnc_profile/content_feed.inc');
?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

followers.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_profile/user_menu.inc');?>
<?php
require_once('fnc_profile/content_followers.i
nc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

following.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_profile/user_menu.inc');?>
<?php
require_once('fnc_profile/content_following.i
nc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

get-bookmarkdetails-process.php

```php
<?php
    require("config.php");
    require("clean.php");


    $userBookmarkId=$_POST['userBookmarkId'];


    $getBookmarkDetails = mysql_query("SELECT
ub.userbookmark_id, ub.userbookmark_date,
ub.userbookmark_time,
        ub.userbookmark_privacy,
ub.userbookmark_description,
ub.userbookmark_title, b.bookmark_url,
b.bookmark_id
        FROM bookmark b, user_bookmark ub
WHERE ub.userbookmark_id='$userBookmarkId'
AND ub.bookmark_id=b.bookmark_id ") or
die("Query Failed!!");
    $getBookmarkDetailsNum =
mysql_num_rows($getBookmarkDetails);

    $rows = array();
    if($getBookmarkDetailsNum>0){
        while($r =
mysql_fetch_assoc($getBookmarkDetails)) {
            $rows[] = $r;
        }


    }


    echo  json_encode($rows);


?>
```

get-bookmarkid-process.php

```php
<?php
    session_start();
    require("config.php");
    require("clean.php");


    //php for getting bookmarkid,
userbookmarkid and userid
    $userId = $_SESSION['user_id'];
    $url=$_POST['url'];


    $checkUrl = mysql_query("SELECT
bookmark_id FROM bookmark WHERE
bookmark_url='$url'");
    $checkUrlNum = mysql_num_rows($checkUrl);
```

```php
    if($checkUrlNum>0 && $userId!=""){
        $bookmarkId1 =
mysql_fetch_array($checkUrl);
        $bookmarkId =
$bookmarkId1[bookmark_id];

        $checkUserBookmark =
mysql_query("SELECT userbookmark_id FROM
user_bookmark WHERE bookmark_id='$bookmarkId'
and user_id='$userId'");
        $checkUserBookmarkNum =
mysql_num_rows($checkUserBookmark);

        $userBookmarkId1 =
mysql_fetch_array($checkUserBookmark);
        $userBookmarkId =
$userBookmarkId1[userbookmark_id];

    }

    if($bookmarkId==""){
        $bookmarkId="-1";
    }

    if($userBookmarkId==""){
        $userBookmarkId="-1";
    }
    $bookmarkDetails = array
('userId'=>$userId,'bookmarkId'=>$bookmarkId,
'userBookmarkId'=>$userBookmarkId);
    // now all the rows have been fetched, it
can be encoded
    echo json_encode($bookmarkDetails);
?>
```

get-bookmarktags-process.php

```php
<?php
    require("config.php");
    require("clean.php");

    $userBookmarkId=$_POST['userBookmarkId'];
    $userId=$_POST['userId'];

    //echo "iasdasdsad:".$userId;

    $getBookmarkTags = mysql_query("SELECT
ut.userbookmarktag_id, ut.user_id,
ut.userbookmark_id,
                              t.tag_id,
t.tag_name FROM userbookmark_tag ut, tag t,
user_bookmark ub
```

```php
                              WHERE
ut.tag_id=t.tag_id AND ut.user_id='$userId'
AND ut.userbookmark_id='$userBookmarkId' AND
ub.userbookmark_id=ut.userbookmark_id");
    $getBookmarkTagsNum =
mysql_num_rows($getBookmarkTags);

    $rows = array();
    if($getBookmarkTagsNum>0){
        while ($getBookmarkTagsRow=
mysql_fetch_array($getBookmarkTags)){
            $rows[] = $getBookmarkTagsRow;
        }
    }
    echo  json_encode($rows);
?>
```

get-userlists-process.php

```php
<?php
    require("config.php");
    require("clean.php");

    $userId=$_POST['userId'];

    $userLists=mysql_query("SELECT l.list_id,
l.list_name, l.list_description, l.list_date,
l.list_time, l.list_privacy,
    ul.userlist_id FROM user_list ul, list l
WHERE ul.list_id=l.list_id AND
ul.user_id='$userId'");
    $userListsNum =
mysql_num_rows($userLists);

    $rows = array();
    if($userListsNum>0){
            while($r =
mysql_fetch_assoc($userLists)) {
                $rows[] = $r;
            }

    }

    echo  json_encode($rows);


?>
```

groupbookmark-error.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
```

94

```php
<?php
require_once('fnc_groups/groups_menu.inc');?>
<?php
require_once('fnc_groups/content_groupbookmar
k_error.inc');?>
<?php
require_once('fnc_groups/group_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

groups.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_groups/groups_menu.inc');?>
<?php
require_once('fnc_groups/content_view_groups.
inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

ie-notes.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_notes/notes_menu.inc');?>
<?php
require_once('fnc_notes/content_ie_notes.inc'
);?>
<!---end body--->
<?php require_once('footer.inc');?>
```

index.php

```php
<?php require_once('header.inc');?>
    <!---- body  --->
    <?php require_once('navigation.inc');?>
    <?php require_once('index_menu.inc');?>
    <?php require_once('content_home.inc');?>
    <?php require_once('dl_extension.inc');?>
    <!---end body--->
    <?php require_once('footer.inc');?>
```

join-group-process.php

```php
<?php
    session_start();
    require("config.php");
```

```php
    require("clean.php");

    $groupId=$_GET['gid'];
    if($groupId=='')
        $groupId=$_POST['groupId'];
    $userId = $_SESSION['user_id'];

    //echo "SELECT group_join FROM groups
WHERE group_id=$groupId";
    //check group join type first
    $userGroupSet = mysql_query("SELECT
group_join FROM groups WHERE
group_id=$groupId");

    $userGroupSet1 =
mysql_fetch_array($userGroupSet);

    $groupJoin=$userGroupSet1[group_join];


    if($groupJoin == "Open"){
        $insertGroupMember =
mysql_query("INSERT INTO group_member
(user_type, user_id, group_id)
            VALUES ('member', '$userId',
'$groupId') ") or die ("Query Failed!");

        $insertUserGroup =
mysql_query("INSERT INTO user_group
(usergroup_type, user_id, group_id)
            VALUES ('member', '$userId',
'$groupId') ") or die ("Query Failed!");

        $groupMemberCount =
mysql_query("SELECT group_member_num FROM
groups WHERE group_id=$groupId") or die
("Query Failed!");
        $row =
mysql_fetch_array($groupMemberCount);
        $finalCount =
$row[group_member_num]+1;

        $updateGroupCount =
mysql_query("UPDATE groups SET
group_member_num='$finalCount' WHERE
group_id=$groupId") or die("Query Failed!");
    }

    else if($groupJoin == "Apply"){
        $insertGroupMember =
mysql_query("INSERT INTO group_member_approve
(status, user_id, group_id)
```

```
            VALUES ('toapprove', '$userId',
'$groupId') ") or die ("Query Failed!");
    }


    header("location: ./view-group-
page.php?gid=$groupId");

?>
```

like-group-bookmark-process.php

```
<?php
    require("config.php");
    require("clean.php");

    $bookmarkId=$_POST['bookmarkId'];
    $groupBookmarkId=$_POST['groupBookmarkId'
];
    $groupId=$_GET['gid'];
    if($groupId=='')
        $groupId=$_POST['groupId'];
    $userId = $_SESSION['user_id'];

    $insertGroupBookmarkLike =
mysql_query("INSERT INTO groupbookmark_like
(user_id, groupbookmark_id)
            VALUES ('$userId',
'$groupBookmarkId') ") or die ("Query
Failed!");

    $groupBookmarkLikeCount =
mysql_query("SELECT gb.groupbookmark_like
FROM group_bookmark gb WHERE
gb.groupbookmark_id=$groupBookmarkId") or die
("Query Failed!");
    $row =
mysql_fetch_array($groupBookmarkLikeCount);
    $finalCount = $row[groupbookmark_like]+1;

    $updateUserBookmark = mysql_query("UPDATE
group_bookmark SET
groupbookmark_like='$finalCount' WHERE
groupbookmark_id=$groupBookmarkId") or
die("Query Failed!");

    echo "<script>
window.location.href='view-group-
page.php?gid=$groupId'</script>";

?>
```

like-group-list-process.php

```
<?php
    require("config.php");
    require("clean.php");

    $listId=$_POST['listId'];
    $groupListId=$_POST['groupListId'];
    $groupId=$_GET['gid'];
    if($groupId=='')
        $groupId=$_POST['groupId'];

    $userId = $_SESSION['user_id'];

    $insertGrouplistComment =
mysql_query("INSERT INTO grouplist_like
(user_id, grouplist_id)
            VALUES ('$userId',
'$groupListId') ") or die ("Query Failed!");

    $groupListLikeCount = mysql_query("SELECT
gb.grouplist_like FROM group_list gb WHERE
gb.grouplist_id=$groupListId") or die ("Query
Failed!");
    $row =
mysql_fetch_array($groupListLikeCount);
    $finalCount = $row[grouplist_like]+1;

    $updateGroupList = mysql_query("UPDATE
group_list SET grouplist_like='$finalCount'
WHERE grouplist_id=$groupListId) or
die("Query Failed!");

    echo "<script>
window.location.href='view-group-
page.php?gid=$groupId'</script>";

?>
```

lists.php

```
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_lists/lists_menu.inc');?>
<?php
require_once('fnc_lists/content_view_lists.in
c');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

login_exec.php

96

```php
<?php
    //start session
    session_start();

    //connect to the database
    require_once("./config.php");
    require("./clean.php");

    //clean all data given
    $username = clean($_POST['username']);
    $password = clean($_POST['password']);

    //echo "uname: $username pass:$password";
    if($username == '' || $password == ''){
        $errflag = true;
    }

    if($errflag){
        session_write_close();
        header("location: ./index.php");
        exit();
    }

    $password = md5($password);
    $query = "SELECT * FROM user where
user_username='$username' AND
user_password='$password'";
    $result = mysql_query($query);


    if($result){
        if(mysql_num_rows($result) == 1){
            session_regenerate_id();
            $user =
mysql_fetch_array($result, MYSQL_ASSOC);
            $_SESSION['user'] = $user;
            $_SESSION['user_id'] =
$user['user_id'];
            $_SESSION['loggedIn'] = 1;

            session_write_close();
            header("location: ./index.php");
            exit();


        }
        else{
            header("location: ./index.php");
            exit();
        }
    }
```

```php
    else{
        die("Query failed!");
    }

?>
```

login_success.php

```php
<?php header("location: ./index.php");?>
```

logout.php

```php
<?php
    //Start session
    session_start();

    //Unset the variables stored in session
        session_unset();

        //Kill the session
        session_destroy();

        header("location: ./index.php");
?>
```

more-information.php

```php
<?php require_once('header.inc');?>
    <!---- body  --->
    <?php require_once('navigation.inc');?>
    <?php require_once('index_menu.inc');?>
    <?php
require_once('content_more_info.inc');?>
    <?php require_once('dl_extension.inc');?>
    <!---end body--->
    <?php require_once('footer.inc');?>
```

newaccount.php

```php
<?php require_once('header.inc');?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_others\content_register.inc
');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

notes.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
```

```php
<?php
require_once('fnc_notes/notes_menu.inc');?>
<?php
require_once('fnc_notes/content_view_notes.in
c');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

post-bookmark.php

```php
<?php include('header.inc');   ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_groups/group_page_members.i
nc');?>
<?php
require_once('fnc_groups/content_post_bookmar
ks.inc');?>
<?php
require_once('fnc_groups/group_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

post-groupbookmarks-process.php

```php
<?php
    session_start();
    require("config.php");
    require("clean.php");
    require("validation.php");

    $groupId=clean($_POST['groupId']);
    $urlField=clean($_POST['urlField']);
    $urlTitleField=clean($_POST['urlTitleFie
ld']);
    $tags= clean($_POST['tagField']);
    $bookmarkDescription=
clean($_POST['bookmarkDescription']);
    $privacy=$_POST['privateCheck'];
    $addToList=$_POST['addToList'];
    $userId = $_SESSION['user_id'];

    //echo "aasd:".$addToList;

    $listTitle=$_POST['listTitle'];
    $listPrivacy="public";
    $listDescription=$_POST['listDescription'
];
    //validations
    if (is_valid_url($urlField)){
```

```php
        //check for url if existing
        $checkUrl = mysql_query("SELECT
bookmark_id FROM bookmark WHERE
bookmark_url='$urlField'");
        $checkUrlNum =
mysql_num_rows($checkUrl);

        date_default_timezone_set("Asia/Manil
a");
        $date =  date("Y-m-d");
        $time = date("H:i:s");

      if($checkUrlNum==0){
        $insertBookmark = mysql_query("INSERT
INTO bookmark
(bookmark_date,bookmark_url,bookmark_firstuse
r) VALUES ('$date','$urlField','$userId')");
        $latestBookmarkId1 =
mysql_fetch_array(mysql_query("SELECT
bookmark_id FROM bookmark WHERE
bookmark_url='$urlField'"));
        $latestBookmarkId=$latestBookmarkId1[
bookmark_id];
      }

      else
        $latestBookmarkId1=
mysql_fetch_array($checkUrl);


      $latestBookmarkId=$latestBookmarkId1[bo
okmark_id];


      if($addToList=='createList'){
          $insertList=mysql_query("INSERT
INTO list (list_name, list_date, list_time,
list_privacy, list_description)
          VALUES ('$listTitle', '$date',
'$time', '$privacy', '$listDescription')");

          $latestListId
= mysql_fetch_array(mysql_query("SELECT
list_id FROM list WHERE
list_name='$listTitle'"));
          $latestListId =
$latestListId['list_id'];
          $insertList=mysql_query("INSERT
INTO group_list (list_id, group_id, user_id)
VALUES ('$latestListId','$groupId','$userId')
");
```

```
        $latestGroupListId
=  mysql_fetch_array(mysql_query("SELECT
grouplist_id FROM group_list
        WHERE list_id='$latestListId' and
group_id='$groupId'"));
        $latestGroupListId =
$latestGroupListId['grouplist_id'];

        $insertGroupBookmark =
mysql_query("INSERT INTO group_bookmark
(groupbookmark_date, groupbookmark_time,
bookmark_id,user_id, group_id,
groupbookmark_description,
groupbookmark_title, grouplist_id)
            VALUES
('$date','$time','$latestBookmarkId','$userId
','$groupId','$bookmarkDescription','$urlTitl
eField','$latestGroupListId') ");
    }

    else
        $insertGroupBookmark =
mysql_query("INSERT INTO group_bookmark
(groupbookmark_date, groupbookmark_time,
bookmark_id,user_id, group_id,
groupbookmark_description,
groupbookmark_title,grouplist_id)
            VALUES
('$date','$time','$latestBookmarkId','$userId
','$groupId','$bookmarkDescription','$urlTitl
eField','$addToList') ");

    $groupBookmarkId =
mysql_fetch_array(mysql_query("SELECT
groupbookmark_id FROM group_bookmark ORDER BY
bookmark_id DESC "));
    $groupBookmarkId =
$groupBookmarkId[groupbookmark_id];

    if($tags!=''){
        $tagsSeparated = explode(',' ,
$tags);

        for ($i = 0; $i <
count($tagsSeparated); $i++){

            if($tagsSeparated[$i]!=''){
    //check if tag is not empty
                //check if tag exists
already
```

```
        $checkTag=
mysql_query("SELECT tag_id FROM tag WHERE
tag_name='$tagsSeparated[$i]'");
            $checkTagNum =
mysql_num_rows($checkTag);


            //add to tag table
            $latestTagId=0;
            if($checkTagNum==0){
                $insertTag =
mysql_query("INSERT INTO tag (tag_name)
VALUES ('$tagsSeparated[$i]')");
                $latestTagId =
mysql_fetch_array(mysql_query("SELECT tag_id
FROM tag WHERE
tag_name='$tagsSeparated[$i]'"));
            }

            else
                $latestTagId =
mysql_fetch_array($checkTag);


                $latestTagId=$latestTagId
['tag_id'];

            $result =
mysql_query("INSERT INTO groupbookmark_tag
(bookmark_id, groupbookmark_id, group_id,
tag_id)
            SELECT gb.bookmark_id,
gb.groupbookmark_id,'$groupId', $latestTagId
FROM group_bookmark gb WHERE
gb.groupbookmark_id='$groupBookmarkId'");


            //echo "userBookmarkId:
$userBookmarkId";
            //check if tag exists
already
            $checkTag=
mysql_query("SELECT tag_id FROM user_tag
WHERE tag_id='$latestTagId'");
            $checkTagNum =
mysql_num_rows($checkTag);
            if($checkTagNum==0){
                $insertUserTag =
mysql_query("INSERT INTO group_tag (group_id,
tag_id)
```

99

```
                     VALUE ('$groupId',
'$latestTagId')");
                 }
              }
          }
      }
      header("location: ./view-group-
page.php?gid=$groupId");
    }// end of if valid

    else{
        header("location: ./groupbookmark-
error.php?gid=$groupId");
    }
```

post-grouplist-process.php

```php
<?php

    session_start();
    require("config.php");
    require("clean.php");

    $userId = $_SESSION['user_id'];
    $listTitle=clean($_POST['listTitle']);
    $listDescription=clean($_POST['listDescri
ption']);
    $groupId = clean($_POST['groupId']);

    date_default_timezone_set("Asia/Manila");
    $date =  date("Y-m-d");
    $time = date("H:i:s");

    $insertList=mysql_query("INSERT INTO list
(list_name, list_date, list_time,
list_privacy, list_description)
    VALUES ('$listTitle', '$date', '$time',
'public', '$listDescription')");

    $latestListId
= mysql_fetch_array(mysql_query("SELECT
list_id FROM list WHERE
list_name='$listTitle'"));
    $latestListId = $latestListId['list_id'];
    $insertList=mysql_query("INSERT INTO
group_list (list_id, group_id,user_id) VALUES
('$latestListId', '$groupId','$userId') ");

    header("location: ./view-group-
page.php?gid=$groupId");
?>
```

post-list.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_groups/group_page_members.i
nc');?>
<?php
require_once('fnc_groups/content_post_list.in
c');?>
<?php
require_once('fnc_groups/group_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

profile.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_profile/profile_menu.inc');
?>
<?php
require_once('fnc_profile/content_view_user_p
rofile.inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

redirect.php

```php
<?php
    $term = $_GET['term'];

    $libraryCount="";
    if(isset($_GET['library'])){
      if (is_array($_GET['library'])) {
       foreach($_GET['library'] as
$library){
          $libraryCount++;
       }
      }
      else {
       echo $library;
      }
    }

    if($libraryCount==2)
        $library="all";


    $searchForCount="";
```

```php
    $searchForVar="";
    if(isset($_GET['searchFor'])){
      if (is_array($_GET['searchFor'])) {
        foreach($_GET['searchFor'] as
$searchFor){
            $searchForVar=$searchForVar.$sear
chFor;
            $searchForCount++;
        }
      }
       else {
        echo $searchFor;
       }
    }

    if($searchForCount==3)
        $searchFor="all";

    else if($searchForVar!="")
        $searchFor=$searchForVar;




    header("location: ./search.php?term=".$te
rm."&searchFor=".$searchFor."&library=".$libr
ary);
    ?>
```

register-process.php

```php
<?php
    require_once("config.php");

    //define all variables
    $username = $_POST['username'];
    $password = $_POST['password'];
    $retype = $_POST['retype'];
    $email = $_POST['email'];
    $title = mb_convert_case($_POST['title'],
MB_CASE_TITLE, "UTF-8");
    $firstname =
mb_convert_case($_POST['firstname'],
MB_CASE_TITLE, "UTF-8");
    $lastname =
mb_convert_case($_POST['lastname'],
MB_CASE_TITLE, "UTF-8");
    $gender = $_POST['gender'];
    $aboutme = $_POST['aboutme'];



    date_default_timezone_set("Asia/Manila");
    $date =  date("Y-m-d");
```

```php
    $time = date("H:i:s");

    $query="INSERT INTO user (user_lastname,
user_firstname, user_username, user_password,
user_email, user_title, user_gender,
user_description)
        VALUES ('$lastname', '$firstname',
'$username','" . md5($password) . "',
'$email', '$title', '$gender', '$aboutme')";
    $result= mysql_query($query)
        or die("Query Failed!");


    if($result){
        header("location: ./index.php");
    }

?>
```

register.php

```php
<?php require_once('header.inc');?>
    <!---- body  --->
    <?php require_once('navigation.inc');?>
    <?php
require_once('fnc_others/content_register.inc
');?>
    <!---end body--->
    <?php require_once('footer.inc');?>
```

save-bookmark-process.php

```php
<?php    $urlField=clean($_POST['urlField'])
;
    $urlTitleField=clean($_POST['urlTitleFie
ld']);
    $tags= clean($_POST['tagField']);
    $bookmarkDescription=
clean($_POST['bookmarkDescription']);
    $privacy=$_POST['privateCheck'];
    $listAdd=$_POST['listAdd'];
    $addToList=$_POST['addToList'];
    $userId = $_SESSION['user_id'];

    //check for url if existing
    $checkUrl = mysql_query("SELECT
bookmark_id FROM bookmark WHERE
bookmark_url='$urlField'");
    $checkUrlNum = mysql_num_rows($checkUrl);


    date_default_timezone_set("Asia/Manila");
    $date =  date("Y-m-d");
    $time = date("H:i:s");
```

```php
  if($checkUrlNum==0){
    $insertBookmark = mysql_query("INSERT
INTO bookmark
(bookmark_url,bookmark_date,bookmark_firstuse
r) VALUES ('$urlField', '$date','$userId')");
    $latestBookmarkId1 =
mysql_fetch_array(mysql_query("SELECT
bookmark_id FROM bookmark WHERE
bookmark_url='$urlField'"));
    $latestBookmarkId=$latestBookmarkId1[book
mark_id];
  }

  else
    $latestBookmarkId1=
mysql_fetch_array($checkUrl);


  $latestBookmarkId=$latestBookmarkId1[bookma
rk_id];



  if($listAdd!='add')
    $addToList="";

  $insertUserBookmark = mysql_query("INSERT
INTO user_bookmark (userbookmark_date,
userbookmark_time, userbookmark_privacy,
bookmark_id, user_id,
userbookmark_description,
userbookmark_title,userlist_id)
            VALUES
('$date','$time','$privacy','$latestBookmarkI
d','$userId','$bookmarkDescription','$urlTitl
eField','$addToList') ");

  $userBookmarkId =
mysql_fetch_array(mysql_query("SELECT
userbookmark_id FROM user_bookmark ORDER BY
bookmark_id DESC "));
  $userBookmarkId =
$userBookmarkId[userbookmark_id];

    if($tags!=''){
        $tagsSeparated = explode(',' ,
$tags);

    for ($i = 0; $i <
count($tagsSeparated); $i++){

        if($tagsSeparated[$i]!=''){
  //check if tag is not empty
            //check if tag exists already
            $checkTag=
mysql_query("SELECT tag_id FROM tag WHERE
tag_name='$tagsSeparated[$i]'");
            $checkTagNum =
mysql_num_rows($checkTag);


            //add to tag table
            $latestTagId=0;
            if($checkTagNum==0){
                $insertTag =
mysql_query("INSERT INTO tag (tag_name)
VALUES ('$tagsSeparated[$i]')");
                $latestTagId =
mysql_fetch_array(mysql_query("SELECT tag_id
FROM tag WHERE
tag_name='$tagsSeparated[$i]'"));
            }

            else
                $latestTagId =
mysql_fetch_array($checkTag);


            $latestTagId=$latestTagId['ta
g_id'];

            $result = mysql_query("INSERT
INTO userbookmark_tag (bookmark_id,
userbookmark_id, user_id, tag_id)
            SELECT ub.bookmark_id,
ub.userbookmark_id,'$userId', $latestTagId
FROM user_bookmark ub WHERE
ub.userbookmark_id='$userBookmarkId'");


            //echo "userBookmarkId:
$userBookmarkId";
            //check if tag exists already
            $checkTag=
mysql_query("SELECT tag_id FROM user_tag
WHERE tag_id='$latestTagId'");
            $checkTagNum =
mysql_num_rows($checkTag);
            if($checkTagNum==0){
```

102

```php
                    $insertUserTag =
mysql_query("INSERT INTO user_tag (user_id,
tag_id)
                    VALUE ('$userId',
'$latestTagId')");
                }
            }
        }
    }
?>
```

save-recommended-bookmark-process.php

```php
<?php
    session_start();
    require("config.php");
    require("clean.php");

    $urlField=clean($_POST['urlField']);
     $urlTitleField=clean($_POST['urlTitleFie
ld']);
     $tags= clean($_POST['tagField']);
     $bookmarkDescription=
clean($_POST['bookmarkDescription']);
     $privacy=$_POST['privateCheck'];
     $listAdd=$_POST['listAdd'];
     $addToList=$_POST['addToList'];
     $userId = $_SESSION['user_id'];

    //check for url if existing
    $checkUrl = mysql_query("SELECT
bookmark_id FROM bookmark WHERE
bookmark_url='$urlField'");
    $checkUrlNum = mysql_num_rows($checkUrl);

  date_default_timezone_set("Asia/Manila");
    $date =  date("Y-m-d");
    $time = date("H:i:s");

  if($checkUrlNum==0){
    $insertBookmark = mysql_query("INSERT
INTO bookmark
(bookmark_date,bookmark_url,bookmark_firstuse
r) VALUES ('$date','$urlField','$userId')");
    $latestBookmarkId1 =
mysql_fetch_array(mysql_query("SELECT
bookmark_id FROM bookmark WHERE
bookmark_url='$urlField'"));
    $latestBookmarkId=$latestBookmarkId1[book
mark_id];
  }
```

```php
  else
    $latestBookmarkId1=
mysql_fetch_array($checkUrl);


  $latestBookmarkId=$latestBookmarkId1[bookma
rk_id];


  $insertUserBookmark = mysql_query("INSERT
INTO user_bookmark (userbookmark_date,
userbookmark_time, userbookmark_privacy,
bookmark_id, user_id,
userbookmark_description,
userbookmark_title,userlist_id)
            VALUES
('$date','$time','$privacy','$latestBookmarkI
d','$userId','$bookmarkDescription','$urlTitl
eField','$addToList') ");

  $userBookmarkId =
mysql_fetch_array(mysql_query("SELECT
userbookmark_id FROM user_bookmark ORDER BY
bookmark_id DESC "));
  $userBookmarkId =
$userBookmarkId[userbookmark_id];

    if($tags!=''){
        $tagsSeparated = explode(',' ,
$tags);



        for ($i = 0; $i <
count($tagsSeparated); $i++){

            if($tagsSeparated[$i]!=''){
  //check if tag is not empty
            //check if tag exists already
            $checkTag=
mysql_query("SELECT tag_id FROM tag WHERE
tag_name='$tagsSeparated[$i]'");
            $checkTagNum =
mysql_num_rows($checkTag);



            //add to tag table
            $latestTagId=0;
            if($checkTagNum==0){
                $insertTag =
mysql_query("INSERT INTO tag (tag_name)
VALUES ('$tagsSeparated[$i]')");
```

```php
                    $latestTagId =
mysql_fetch_array(mysql_query("SELECT tag_id
FROM tag WHERE
tag_name='$tagsSeparated[$i]'"));
                    }

                    else
                        $latestTagId =
mysql_fetch_array($checkTag);


                    $latestTagId=$latestTagId['ta
g_id'];


                    $result = mysql_query("INSERT
INTO userbookmark_tag (bookmark_id,
userbookmark_id, user_id, tag_id)
                    SELECT ub.bookmark_id,
ub.userbookmark_id,'$userId', $latestTagId
FROM user_bookmark ub WHERE
ub.userbookmark_id='$userBookmarkId'");


                    //echo "userBookmarkId:
$userBookmarkId";
                    //check if tag exists already
                    $checkTag=
mysql_query("SELECT tag_id FROM user_tag
WHERE tag_id='$latestTagId'");
                    $checkTagNum =
mysql_num_rows($checkTag);
                    if($checkTagNum==0){
                        $insertUserTag =
mysql_query("INSERT INTO user_tag (user_id,
tag_id)
                        VALUE ('$userId',
'$latestTagId')");
                    }
                }
            }
        }

    header("location: ./view-
bookmarks.php");


?>
```

save-recommended-bookmarks.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
```

```php
<?php
    if($_POST['referer']=='fromFeed'){
        require_once('fnc_profile/user_menu.i
nc');
        require_once('fnc_profile/content_sav
e_recommended_bookmarks_feed.inc');
    }
    else{
        require_once('fnc_bookmarks/bookmarks
_menu.inc');
        require_once('fnc_bookmarks/content_s
ave_recommended_bookmarks.inc');
    }
?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

search.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_others/search_options.inc')
;?>
<?php
    /*if($_GET['library']=="community"){
        require_once('fnc_others/content_view
_search_results.inc'); }

    else if($_GET['library']=="user"){
        require_once('fnc_others/content_view
_search_results_user.inc');}*/

    //else {
        require_once('fnc_others/content_view
_search_results_all.inc');
        //}
?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

spam-group-bookmark-process.php

```php
<?php
    session_start();
    require("config.php");
    require("clean.php");

    $bookmarkId=$_POST['bookmarkId'];
```

```php
    $groupBookmarkId=$_POST['groupBookmarkId'
];
    $groupId=$_GET['gid'];
    if($groupId=='')
        $groupId=$_POST['groupId'];

    $userId = $_SESSION['user_id'];

    $insertGroupBookmarkSpam =
mysql_query("INSERT INTO groupbookmark_spam
(user_id, groupbookmark_id)
            VALUES ('$userId',
'$groupBookmarkId') ") or die ("Query
Failed!");

    $groupBookmarkSpamCount =
mysql_query("SELECT gb.groupbookmark_spam
FROM group_bookmark gb WHERE
gb.groupbookmark_id=$groupBookmarkId") or die
("Query Failed!");
    $row =
mysql_fetch_array($groupBookmarkSpamCount);
    $finalCount = $row[groupbookmark_spam]+1;

    $updateGroupBookmark =
mysql_query("UPDATE group_bookmark SET
groupbookmark_spam='$finalCount' WHERE
groupbookmark_id=$groupBookmarkId") or
die("Query Failed!");

    echo "<script>
window.location.href='view-group-
page.php?gid=$groupId'</script>";

?>
```

users.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_profile/user_menu.inc');?>
<?php
require_once('fnc_profile/content_feed.inc');
?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

validation.php

```php
<?php
```

```php
function is_valid_url($url)
{

    $file_headers = @get_headers($url);

    //echo "header:". $file_headers[0];
    if(($file_headers[0]!="") &&
strpos($file_headers[0], '404 ')===false) {
        return  true;
    }
    else {
        return false;
    }
}
?>
```

view-bookmark-shared.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<!--<?php
require_once('fnc_groups/group_page_members.i
nc');?>-->
<?php
require
once('fnc_bookmarks/content_view_book
mark_shared.inc');?>
<!--<?php
require_once('fnc_groups/group_tags.inc');?>-
-->
<!---end body--->
<?php require_once('footer.inc');?>
```

view-bookmarks.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_bookmarks/bookmarks_menu.in
c');?>
<?php
require_once('fnc_bookmarks/content_view_book
marks.inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

view-group-page.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_groups/group_page_members.i
nc');?>
<?php
require_once('fnc_groups/content_view_group_p
age.inc');?>
<?php
require_once('fnc_groups/group_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

view-grouplist-content.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_groups/group_page_members.i
nc');?>
<?php
require_once('fnc_groups/content_view_groupli
st_member.inc');?>
<?php
require_once('fnc_groups/group_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

view-groups.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_groups/groups_menu.inc');?>
<?php
require_once('fnc_groups/content_view_groups.
inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

view-list-content.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_lists/lists_menu.inc');?>
<?php
require_once('fnc_lists/content_view_list_mem
ber.inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

view-lists.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_lists/lists_menu.inc');?>
<?php
require_once('fnc_lists/content_view_lists.in
c');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

view-note-content.php

```php
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_notes/notes_menu.inc');?>
<?php
require_once('fnc_notes/content_view_notes.in
c');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

view-notes-offline-process.php

```php
<?php
    require("config.php");
    require("clean.php");
    /*$data = json_decode($_POST['json'],
true);

    $bookmarkId = $data['bookmarkId'];
    $userId = $data['userId'];
    $userBookmarkId =
$data['userBookmarkId'];
    */
    $getBookmarkNotes = mysql_query("SELECT *
FROM userbookmark_note") or die("Query
Failed!!");
    $getBookmarkNotesNum =
mysql_num_rows($getBookmarkNotes);

    $rows = array();
    if($getBookmarkNotesNum>0){
        while ($row =
mysql_fetch_array($getBookmarkNotes)){
        $eachNote = mysql_query("SELECT
note_id, note_title, note_text, note_privacy,
note_date FROM note WHERE
note_id=$row[note_id]") or die ("Query
Failed!!");

            while($r =
mysql_fetch_assoc($eachNote)) {
                $rows[] = $r;
            }
        }

    }

    /*$rows = array();
    while($r =
mysql_fetch_assoc($getBookmarkNotes)) {
        $rows[] = $r;
    }*/
    //echo "hey:".$userBookmarkId;
    echo  json_encode($rows);
    //if ($rows==""){
    //echo "hey:".$userBookmarkId;
    //}
?>
```

view-notes-process.php

```php
<?php
    require("config.php");
    require("clean.php");
    $data = json_decode($_POST['json'],
true);

    $bookmarkId = $data['bookmarkId'];
    $userId = $data['userId'];
    $userBookmarkId =
$data['userBookmarkId'];

    $getBookmarkNotes = mysql_query("SELECT *
FROM user_note WHERE user_id = '$userId' ")
or die("Query Failed!!");
    $getBookmarkNotesNum =
mysql_num_rows($getBookmarkNotes);

    $rows = array();
    if($getBookmarkNotesNum>0){
        while ($row =
mysql_fetch_array($getBookmarkNotes)){
        $eachNote = mysql_query("SELECT
note_id, note_title, note_text, note_privacy,
```

```
note_date FROM note WHERE
note_id=$row[note_id]") or die ("Query
Failed!!");

            while($r =
mysql_fetch_assoc($eachNote)) {
                $rows[] = $r;
            }
        }

    }

    /*$rows = array();
    while($r =
mysql_fetch_assoc($getBookmarkNotes)) {
        $rows[] = $r;
    }*/
    //echo "hey:".$userBookmarkId;
    echo  json_encode($rows);
    //if ($rows==""){
    //echo "hey:".$userBookmarkId;
    //}
?>
```

view-notes.php

```
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_notes/notes_menu.inc');?>
<?php
require_once('fnc_notes/content_view_notes.in
c');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

view-profile.php

```
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_profile/profile_menu.inc');
?>
<?php
require_once('fnc_profile/content_view_user_p
rofile.inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

```
view-rbookmarks.php

<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_bookmarks/bookmarks_menu.in
c');?>
<?php
require_once('fnc_bookmarks/content_view_rboo
kmarks.inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

view-readable-page.php

```
<?php
echo "<link rel='stylesheet' type='text/css'
media='all' href='css/readable.css' /> ";
$pageUrl = urlencode($_GET['jsonurl']);
```

```
$jsonUrl =
"http://www.diffbot.com/api/article?token=699
4408efe8d9463b148ded50a75e2dd&html&tags&url="
.$pageUrl;

$data =
json_decode(file_get_contents($jsonUrl),true)
;

    $title = $data['title'];
    $author = $data['author'];
    $url = $data['url'];
    $date = $data['date'];
    $text = $data['text'];
    $tags = $data['tags'];
    $image = $data['media'] [0] ['link'];

    $blank=0;
    echo "<div class='readableMode'>";
    if($title!=""){
        echo
"<h1><strong>".$title."</strong></h1>";

    }
    else if($title==""){
        $blank++;
    }

    if($author!=""){
        echo "<h3>by ".$author."</h3><br />";

    }
    else if($author==""){
        $blank++;
    }

    if($date!=""){
     echo $date."<br />";
    }

    else if($date==""){
        $blank++;
    }

    if($text!=""){
     echo "<br /><br />".$text."</h2><br />";

    }

    else if($text==""){
        $blank++;
    }

    if($blank==4){

        echo "<h1><strong>Sorry. This page
could not be converted to readable
mode. :( </strong></h1>";

    }

    echo "</div>";


?>
```

view-rgroups.php

```
<?php include('header.inc');  ?>
<!---- body  --->
<?php require_once('navigation.inc');?>
<?php
require_once('fnc_groups/groups_menu.inc');?>
```

```php
<?php
require_once('fnc_groups/content_view_rgroups
.inc');?>
<?php require_once('content_tags.inc');?>
<!---end body--->
<?php require_once('footer.inc');?>
```

whats-abt.php

```php
<?php require_once('header.inc');?>
    <!---- body  --->
    <?php require_once('navigation.inc');?>
    <?php require_once('index_menu.inc');?>
    <?php
require_once('content_whats_abt.inc');?>
    <?php require_once('dl_extension.inc');?>
    <!---end body--->
    <?php require_once('footer.inc');?>
```

B. INC Files
(fnc_bookmarks)
bookmarks_menu.inc

```html
                    <tr>
                            <td
id="submenuData"><div id="submenu">

        <H1>Bookmark Menu</H1>

        <table>

        <tr><td><a href='view-
bookmarks.php'>View Bookmarks</a></td></tr>

        <tr><td><a href='add-
bookmarks.php'>Add New Bookmark</a></td></tr>

        <!--<li><a href='edit-
bookmarks.php'>Edit Bookmark</a></li>-->

        <tr><td><a href='view-
rbookmarks.php'>View Recommended
Bookmarks</a></td></tr>

        </table>

        </div>
                            </td>
```

content_add_bookmarks.inc

```php
<?php require("config.php");
 require("clean.php");

 $userId = $_SESSION['user_id'];

 ?>
 <script type="text/javascript">

        jQuery(document).ready(function() {
                checkBookmarkFields();

        });

</script>
                            <td
rowspan="2">
                                        <div
id="body">

        <H1>Add Bookmark</H1>

        <form id="addBookmarkForm" form
action="add-bookmark-online-process.php"
method="POST">
```

```html
            <table>

                    <tr><td
colspan='2'><span class='warning'
id='addBookmarkError'>Please fill up the
*required fields.</span></td></tr>


        <tr><th>*URL:</th><td><input
name="urlField" type="text" id="urlField"
onChange="checkBookmarkFields()"/></td></tr>


        <tr><td></td><td><span
class='warning' id='urlError'>Please include
the http:// or https://.</span></td></tr>


        <tr><th>*Title:</th><td><input
name="urlTitleField" type="text"
id="urlTitleField"
onChange="checkBookmarkFields()"/></td></tr>


        <tr><td></td><th><input
type="checkbox" name="privateCheck"
id="privateCheck" value="private" checked
/><img src='images/private.png' width='15px'
height='15px' />Private</th></tr>


        <tr><th>Description:</th><td><textare
a rows="8" cols="50"
name="bookmarkDescription"></textarea></td></
tr>


        <tr><th>Tags:</th><td><input
name="tagField" type="text"
id="tagField"/></td></tr>


                    <!--<input
name="tags" id="mySingleField"
disabled="true">-->

                    <!--
<tr><th>Tags:</th><td><ul
id="singleFieldTags"></ul></td></tr>-->

                    <!--
<tr><th>Tags:</th><td>  <input name="tags"
id="singleFieldTags2" value="Apple, Orange"
style="display: none;"></td></tr>

                    <!--<tr><td
colspan='2'><ul id="myTags" class="tagit ui-
widget ui-widget-content ui-corner-
all"></ul></td></tr>-->


        <tr><td></td><td><span
class="reminder">*Separate each tag with a
comma</span></td></tr>
```

```php
<?php
        $getLists= mysql_query("SELECT
ul.userlist_id,ul.list_id, l.list_name FROM
list l, user_list ul WHERE
ul.list_id=l.list_id AND user_id='$userId'");
```

```php
        $getListsNum =
mysql_num_rows($getLists);
        echo "<tr><th>Add to a
List:</th><td><select name='addToList'
id='addToList' onchange='checkList()'>" ;

            echo "<option value='0'
id='list'>Select a list...</option>";
        if($getListsNum!=0){
            while ($row =
mysql_fetch_array($getLists)){
                echo "<option
value='$row[userlist_id]'>$row[list_name]</op
tion>";

            }
        }
            echo "<option value='0'
id='list' disabled>------------</option>";
        echo "<option value='createList'
id='list'>Create a New List</option>";
?>

                </select></td></tr>

                <tr><td colspan='2'>

                    <table
id="newList">

                    <tr><th>New
List Name:</td><td><input type="text"
name="listTitle"></td></tr>

        <tr><td></td><th><input
type="checkbox" name="listPrivacy"
value="private" checked><img
src='images/private.png' width='15px'
height='15px' />Private List</th></tr>

        <tr><th>Description:</th><td><textare
a rows="5" cols="50"
name="listDescription"></textarea></td></tr>

                    </table>

                </td><tr>

                <tr><td></td><td><br
/><input type="submit" value="Add New
Bookmark" id= "addBookmark"
name="addBookmark" disabled/></td></tr>

            </table>

        </form>

        </div>
                </td>
            </tr>
```

content_delete_bookmarks.inc
```php
<?php
        require("config.php");
        require("clean.php");
        $userId = $_SESSION['user_id'];
        $bookmarkId=$_POST['bookmarkId'];

$userBookmarkId=$_POST['userBookmarkId'];
        $referer=$_POST['referer'];
```

```php
        $bookmarkDetails =
mysql_query("SELECT ub.userbookmark_id,
ub.userlist_id,
DATE_FORMAT(ub.userbookmark_date,'%d %b %Y')
userbookmark_date, ub.userbookmark_time,
            ub.userbookmark_privacy,
ub.userbookmark_description,
ub.userbookmark_title, b.bookmark_url,
b.bookmark_id
            FROM bookmark b,
user_bookmark ub WHERE
ub.userbookmark_id='$userBookmarkId' AND
ub.bookmark_id=b.bookmark_id");


?>

        <td rowspan="2">
                            <div
id="body">

        <H1>Delete Bookmarks</H1>


            <table>
<?php
        $userBookmarkList="";
                while ($row =
mysql_fetch_array($bookmarkDetails)){

        $userBookmarkList=$row[userlist_id];

            echo "<tr><td><div
class='container'>

                <table
class='descriptionContainer'>

                <tr><td>";

        if($row['userbookmark_privacy']=='pri
vate'){

                echo "<img
src='images/private.png' width='15px'
height='15px' />";

                }
            echo "</td><td
class='date'>$row[userbookmark_date]</td>

                <td><span
class='title'><a
href='$row[userbookmark_url]'>$row[userbookma
rk_title]</a></span></td></tr>";


            echo "<tr><td colspan='3'><br
/><span
class='description'>$row[userbookmark_descrip
tion]</span></td></tr></table><br />";

            $eachBookmark =
mysql_query("SELECT ut.tag_id,
ut.userbookmarktag_id, ut.user_id,
ut.userbookmark_id,

            t.tag_id, t.tag_name,
```

```
ub.userbookmark_id FROM userbookmark_tag ut,
tag t, user_bookmark ub

                    WHERE
ut.tag_id=t.tag_id AND ut.user_id='$userId'
AND
ut.userbookmark_id='$row[userbookmark_id]'
AND ub.userbookmark_id=ut.userbookmark_id");

                $eachBookmarkNum =
mysql_num_rows($eachBookmark);

                if($eachBookmarkNum>0){

                    $tagCount=0;

                    echo "<table
class='tags'>";

                    while
($eachBookmarkRow=
mysql_fetch_array($eachBookmark)){

        if($tagCount==0)

                                    echo
"<tr>";

        if($tagCount<=7){

                                    echo
"<td><a
href='search.php?term=$eachBookmarkRow[tag_na
me]&library=all'>$eachBookmarkRow[tag_name]</
a></td>";

        $tagCount++;

                            }

        if($tagCount==7){

                                    echo
"</tr>";

        $tagCount=0;

                            }
                        }

                    if($tagCount<7 &&
$tagCount>0)

                        echo "</tr>";

                    echo "</table>";

                }

                echo "</div></td></tr>";

                    }
```

```
                            if
($referer=='fromList'){

        $userListId = mysql_query("SELECT
list_id from user_list where
userlist_id='$userBookmarkList'");

        $userListId1 =
mysql_fetch_array($userListId);

        echo "<tr><td><div
class='genMessage'>Click <a href='./view-
list-
content.php?lid=$userListId1[list_id]'>here</
a> to go back to the contents of your
list.</div></td></tr>";
                            }
                            else
                                echo
"<tr><td><div class='genMessage'> Click <a
href='view-bookmarks.php'>here</a> to go back
to your list of saved
bookmarks.</div></td></tr>";


        $deleteBookmark = mysql_query("DELETE
FROM user_bookmark WHERE
userbookmark_id='$userBookmarkId'") or
die("Query Failed!");
                                $deleteTags =
mysql_query("DELETE FROM userbookmark_tag
WHERE userbookmark_id='$userBookmarkId'") or
die("Query Failed!");

                                ?>

            </table>


        </div>
                            </td>
                    </tr>
```

content_edit_bookmarks.inc
```
<?php
 require("config.php");
 require("clean.php");

 $userId = $_SESSION['user_id'];
 $bookmarkId=$_POST['bookmarkId'];
 $userBookmarkId=$_POST['userBookmarkId'];
 $referer=$_POST['referer'];

        $userBookmarkSet =
mysql_query("SELECT
ub.userbookmark_id,ub.userlist_id,
DATE_FORMAT(ub.userbookmark_date,'%d %b %Y')
userbookmark_date, ub.userbookmark_time,

    ub.userbookmark_privacy,
ub.userbookmark_description,
ub.userbookmark_title, b.bookmark_url,
b.bookmark_id
                FROM bookmark b,
user_bookmark ub WHERE
ub.userbookmark_id=$userBookmarkId AND
ub.bookmark_id=b.bookmark_id");
                $num =
mysql_num_rows($userBookmarkSet);

?>
                        <td rowspan="2">
                                    <div
id="body">
```

```
        <H1>Edit Bookmark</H1>


<?php
        if($num==0){
                echo "Nothing to edit.";

        }
        else if($num!=0){

        echo "<form id='editBookmarkForm'
action='edit-bookmarks-process.php'
method='post'>";

        while ($row =
mysql_fetch_array($userBookmarkSet)){


                echo "<input type='hidden'
name='bookmarkId' value='$bookmarkId'/>";

                echo "<input type='hidden'
name='userBookmarkId'
value='$userBookmarkId'/>";

                echo "<input type='hidden'
name='bookmarkDate'
value='$row[userbookmark_date]'/>";

                echo "<input type='hidden'
name='referer' value='$referer'/>";




                echo
"<table><tr><td>Date:</td><td>$row[userbookma
rk_date]</td></tr>";

                echo
"<tr><th>Url:</th><td><input type='text'
name='bookmarkUrl' id='bookmarkUrl' size='40'
value='$row[bookmark_url]' /></td></tr>";

                echo
"<tr><th>Title:</th><td><input type='text'
name='bookmarkTitle' id='bookmarkTitle'
size='40' value='$row[userbookmark_title]'
/></td></tr>";

                echo "<tr><td></td><th><input
type='checkbox' name='privateCheck'
id='privateCheck' value='private' ";


        if($row[userbookmark_privacy]=='priva
te')

                        echo "checked";

                echo "/><img
src='images/private.png' width='15px'
height='15px' />Private</th></tr>";




                echo
"<tr><th>Description:</th><td><textarea
name='bookmarkDesc' id='bookmarkDesc'
rows='15' cols='55'>
$row[userbookmark_description]
</textarea></td></tr>";


                $eachBookmark =
```

```
mysql_query("SELECT ut.tag_id,
ut.userbookmarktag_id, ut.user_id,
ut.userbookmark_id,

                        t.tag_id, t.tag_name,
ub.userbookmark_id FROM userbookmark_tag ut,
tag t, user_bookmark ub

                        WHERE
ut.tag_id=t.tag_id AND ut.user_id='$userId'
AND
ut.userbookmark_id='$row[userbookmark_id]'
AND ub.userbookmark_id=ut.userbookmark_id");

                $eachBookmarkNum =
mysql_num_rows($eachBookmark);


                echo
"<tr><th>Tags:</th><td><input type='text'
name='bookmarkTags' id='bookmarkTags'
size='40' value='";




                if($eachBookmarkNum>0){


                        while
($eachBookmarkRow=
mysql_fetch_array($eachBookmark)){

                        echo
"$eachBookmarkRow[tag_name],";


                        }

                }
                echo "' /></td></tr>";

                echo "<tr><td></td><td><span
class='reminder'>*Separate each tag with a
comma</span></td></tr>";

                $getLists=
mysql_query("SELECT
ul.userlist_id,ul.list_id, l.list_name FROM
list l, user_list ul WHERE
ul.list_id=l.list_id AND user_id='$userId'");

                $getListsNum =
mysql_num_rows($getLists);



                        echo "<tr><th>Add to
a List:</th><td><select name='addToList'
onchange='checkList()'>" ;



                echo "<option
value='0'>Select a list...</option>";

                if($getListsNum!=0){

                        while ($rowForLists =
```

```
mysql_fetch_array($getLists)){


                                  echo "<option
value='$rowForLists[userlist_id]' ";


        if($row[userlist_id]==$rowForLists[us
erlist_id])

                                        echo
"selected ";

                                  echo
">$rowForLists[list_name]</option>";



                              }


                  }

                echo "<option value='0'
id='list' disabled>------------</option>";

                echo "<option
value='createList' id='list'>Create a New
List</option>";

            echo "</select>";


      echo "<tr><td colspan='2'>

                                  <table
id='newList'>

                                  <tr><th>New
List Name:</td><td><input type='text'
name='listTitle'></td></tr>


        <tr><td></td><th><input
type='checkbox' name='listPrivacy'
value='private'><img src='images/private.png'
width='15px' height='15px' />Private
List</th></tr>


        <tr><th>Description:</th><td><textare
a rows='5' cols='50'
name='listDescription'></textarea></td></tr>

                                  </table>

                        </td><tr>";



        }



                                  echo
"<tr><td><br /><input type='submit'
value='Save Changes'
name='submitValue'/></tr></table></form>";

        }
?>
```

112

```
                        </div>
                              </td>
                        </tr>
```

content_save_recommended_bookmarks.inc

```php
<?php require("config.php");
 require("clean.php");
 $bookmarkId = $_POST['bookmarkId'];
 $userId = $_SESSION['user_id'];
 $userBookmarkId= $_POST['userBookmarkId'];

      $query="SELECT ub.userbookmark_id,
DATE_FORMAT(ub.userbookmark_date,'%d %b %Y')
userbookmark_date, ub.userbookmark_time,
            ub.userbookmark_privacy,
ub.userbookmark_description,
ub.userbookmark_title,ub.userlist_id,
b.bookmark_url, b.bookmark_id
            FROM bookmark b,
user_bookmark ub WHERE
ub.userbookmark_id='$userBookmarkId' AND
ub.bookmark_id=b.bookmark_id";


 $recommendedDetails=mysql_query($query);
 $recommendedDetailsNum =
mysql_num_rows($recommendedDetails);
 $row =
mysql_fetch_array($recommendedDetails);

 ?>
                              <td
rowspan="2">
                                    <div
id="body">

      <H1>Add Bookmark to own Library</H1>

      <form id="saveBookmarkForm" form
action="save-recommended-bookmark-
process.php" method="POST">

            <table>


      <tr><th>*URL:</th><td><input
name="urlField" type="text" id="urlField"
value="<?php echo
"$row[bookmark_url]"; ?>"/></td></tr>


      <tr><th>*Title:</th><td><input
name="urlTitleField" type="text"
id="urlTitleField" value="<?php echo
"$row[userbookmark_title]"; ?>"/></td></tr>


      <tr><td></td><th><input
type="checkbox" name="privateCheck"
id="privateCheck" value="private" /><img
src='images/private.png' width='15px'
height='15px' />Private</th></tr>


      <tr><th>Description:</th><td><textare
a rows="5" cols="50"
name="bookmarkDescription"><?php echo
"$row[userbookmark_description]"; ?></textare
a></td></tr>

                  <?php

                        $eachBookmark =
mysql_query("SELECT ut.tag_id,
```

```
                ut.userbookmarktag_id, ut.user_id,
                ut.userbookmark_id,

                                t.tag_id, t.tag_name,
                ub.userbookmark_id FROM userbookmark_tag ut,
                tag t, user_bookmark ub

                                WHERE
                ut.tag_id=t.tag_id AND
                ut.userbookmark_id='$userBookmarkId' AND
                ub.userbookmark_id=ut.userbookmark_id");

                        $eachBookmarkNum =
                mysql_num_rows($eachBookmark);

                        echo
                "<tr><th>Tags:</th><td><input type='text'
                name='bookmarkTags' id='bookmarkTags'
                size='40' value='";

                        if($eachBookmarkNum>0){

                                while
                ($eachBookmarkRow=
                mysql_fetch_array($eachBookmark)){

                                        echo
                "$eachBookmarkRow[tag_name],";

                                }

                        }

                        echo "' /></td></tr>";

                        ?>

                <tr><td></td><td><span
                class='reminder'>*Separate each tag with a
                comma</span></td></tr>

                <?php
                        $getLists= mysql_query("SELECT
                ul.userlist_id,ul.list_id, l.list_name FROM
                list l, user_list ul WHERE
                ul.list_id=l.list_id AND user_id='$userId'");
                        $getListsNum =
                mysql_num_rows($getLists);
                        if($getListsNum!=0){
                                echo "<tr><th>Add to a
                List</th><td><select name='addToList'>" ;
                                echo "<option
                value='0'>Select a list...</option>";
                                while ($row =
                mysql_fetch_array($getLists)){
                                        echo "<option
                value='$row[userlist_id]'>$row[list_name]</op
                tion>";

                                }
                        }
                ?>
```

```
                </select></td></tr>

                <tr><td></td><td><input type="submit"
                value="Add to own Library" id= "saveBookmark"
                name="saveBookmark" /></td></tr>

                </table>

                </form>

                </div>
                                        </td>
                                </tr>
```

content_view_bookmarks.inc
```
<?php require("config.php");
 require("clean.php");
        $userId = $_SESSION['user_id'];
        $sortBy = $_GET['sortBy'];

        $userLists=mysql_query("SELECT
l.list_id, l.list_name,
l.list_description,DATE_FORMAT(l.list_date,'%
d %b %Y') list_date, l.list_time,
l.list_privacy,
        ul.userlist_id FROM user_list ul,
list l WHERE ul.list_id=l.list_id AND
ul.user_id='$userId' ORDER BY l.list_date
DESC,l.list_time DESC ");

        $listsNum =
mysql_num_rows($userLists);

        $query="SELECT ub.userbookmark_id,
DATE_FORMAT(ub.userbookmark_date,'%d %b %Y')
userbookmark_date, ub.userbookmark_time,
        ub.userbookmark_privacy,
ub.userbookmark_description,
ub.userbookmark_title,ub.userlist_id,
b.bookmark_url, b.bookmark_id
        FROM bookmark b,
user_bookmark ub WHERE ub.user_id='$userId'
AND ub.bookmark_id=b.bookmark_id";

        if($sortBy=='private'){
                $query= $query." AND
ub.userbookmark_privacy='private'";
        }
        else if($sortBy=='public'){
                $query= $query." AND
ub.userbookmark_privacy='public'";

        }

        else if(is_numeric($sortBy)){
                $query= $query." AND
ub.userlist_id='$sortBy'";

        }

        $query = $query." ORDER BY
ub.userbookmark_date
DESC,ub.userbookmark_time DESC";

        $userBookmarkSet =
mysql_query($query);
        $num =
mysql_num_rows($userBookmarkSet);

?>
                        <td rowspan="2">
```

113

```
                              <div
id="body">

        <H1>Bookmarks</H1>


                <table>
<?php


                                echo
"<tr>";

                                echo
"<td><form id='sortForm'
action='".$_SERVER['PHP_SELF']."'>";

                                echo
"<select name='sortBy'
onchange='this.form.submit()'>" ;

                                echo
"<option value='all'>All</option>";

                                echo
"<option value='public'";

        if($sortBy=='public')

        echo " selected";

">Public</option>";

                                echo
"<option value='private'";

        if($sortBy=='private')

        echo " selected";

">Private</option>";


        if($listsNum>0){

        //echo "<select name='sortBy'
onchange='this.form.submit()'>" ;

                                echo
"<option value='0' disabled>---------
</option>";

        while ($listRow =
mysql_fetch_array($userLists)){

                echo "<option
value='$listRow[userlist_id]'";


        if($sortBy==$listRow[userlist_id])

                        echo " selected";

                echo
">$listRow[list_name]</option>";

        }

                                }

                                echo
"</select>";

                                echo
"<input type='submit' value='View'
style='display:none'/>";

        echo"</form><br /></td>";

                                echo
"</tr>";
```

```
        if($num==0){

        echo "<tr><td><div
class='genMessage'>You have no saved
bookmarks.<br />

                Save bookmarks by using the
Google Chrome Extension or

                by going to this <a
href='add-
bookmarks.php'>page</a>.</span><td></tr>";
                }
                else if($num!=0){


        while ($row =
mysql_fetch_array($userBookmarkSet)){

                echo "<tr><td><form
id='userBookmarkForm' action='edit-delete-
bookmarks.php' method='post'>

                <input type='hidden'
name='bookmarkId' value='$row[bookmark_id]'/>

                <input type='hidden'
name='userBookmarkId'
value='$row[userbookmark_id]'/>";

                echo "<div
class='container'><table
class='descriptionContainer'><tr><td
width='15px'>";

        if($row['userbookmark_privacy']=='pri
vate'){

                        echo "<img
src='images/private.png' width='15px'
height='15px' />";

                }


        echo"</td><td
class='date'>$row[userbookmark_date]</td>

                        <td><span
class='title'><a href='$row[bookmark_url]'
target='_blank'>
$row[userbookmark_title]</a></span></td></tr>
";

        if($row[userbookmark_description]!=""
)

                                        echo
"<tr><td colspan='3'><br /><span
class='description'>$row[userbookmark_descrip
tion]</span></td></tr>";


        if($row[userlist_id]!=0){

                        $userListSet
= mysql_query("SELECT l.list_name,l.list_id
from list l, user_list ul WHERE
ul.list_id=l.list_id AND
ul.userlist_id=$row[userlist_id]");
```

114

```php
                               $listRow =
mysql_fetch_array($userListSet);

                               echo "<tr><td
colspan='3'><br /><a href='view-list-
content.php?lid=$listRow[list_id]'
class='list'> $listRow[list_name]
list</a></td></tr>";

                       }

                                       echo
"</table><br />";

               $eachBookmark =
mysql_query("SELECT ut.tag_id,
ut.userbookmarktag_id, ut.user_id,
ut.userbookmark_id,

                       t.tag_id, t.tag_name,
ub.userbookmark_id FROM userbookmark_tag ut,
tag t, user_bookmark ub

                       WHERE
ut.tag_id=t.tag_id AND ut.user_id='$userId'
AND
ut.userbookmark_id='$row[userbookmark_id]'
AND ub.userbookmark_id=ut.userbookmark_id");

               $eachBookmarkNum =
mysql_num_rows($eachBookmark);

               if($eachBookmarkNum>0){

                       $tagCount=0;

                       echo "<table
class='tags'>";

                       while
($eachBookmarkRow=
mysql_fetch_array($eachBookmark)){

       if($tagCount==0)

                               echo
"<tr>";

       if($tagCount<=7){

                               echo
"<td><a
href='search.php?term=$eachBookmarkRow[tag_na
me]&library=all'>$eachBookmarkRow[tag_name]</
a></td>";

       $tagCount++;

                       }

       if($tagCount==7){

                               echo
"</tr>";

                       $tagCount=0;

                               }

                       }

                       if($tagCount<7 &&
$tagCount>0)

                               echo "</tr>";

                       echo "</table>";

               }

               echo "<div
class='addthis_toolbox addthis_default_style
'>

                       <a
class='addthis_button_facebook at300b'
title='Facebook'

       addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
                       <a
class='addthis_button_twitter at300b'
title='Twitter'

       addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
                       <a
class='addthis_button_email at300b'
title='Email'

       addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
                       <a
class='addthis_button_compact'></a>
                       </div>
                       <script
type='text/javascript'
```

115

```
src='//s7.addthis.com/js/300/addthis_widget.j
s#pubid=xa-51058376333bc519'></script>";


                $confirmMessage= "Are you
sure you want to delete
$row[userbookmark_title]:
$row[bookmark_url]?";

                echo "<br /><input
type='submit' value='Edit Bookmark'
name='submitValue'/>";

                echo "<input type='submit'
value='Delete Bookmark' name='submitValue'
onclick=";

                echo " \"return
confirm('$confirmMessage')\" />";



        //if($row['userbookmark_privacy']=='p
ublic')

                    //echo "<input
type='submit' value='Share Bookmark to Group'
name='submitValue'/><br/>";




                echo
"</div></form></td></tr>";


        }
        }
?>

            </table>


        </div>
                            </td>
                    </tr>
```

content_view_rbookmarks.inc

```php
<?php require("config.php");
 require("clean.php");
        $userId = $_SESSION['user_id'];

        $allTags= mysql_query("SELECT
distinct ut.tag_id, t.tag_name FROM user_tag
ut, tag t
            WHERE ut.user_id='$userId'
AND ut.tag_id=t.tag_id");
        $allTagsNum =
mysql_num_rows($allTags);

        $sortBy = $_GET['sortBy'];

?>
        <td rowspan="2">
                            <div
id="body">

        <H1>Recommended Bookmarks</H1>

        <div class='reminderContainer'><span
class='reminder'>Recommended bookmarks shown
are publicly saved bookmarks by other users.
```

```
They are chosen based on the tags you
used for your own bookmarks.</span></div><br
/>

        <table>
<?php
if($allTagsNum>0){

        $numRow= 1;
        /*$query = "SELECT DISTINCT
b.bookmark_url,
DATE_FORMAT(b.bookmark_date,'%d %b %Y')
bookmark_date, b.bookmark_count,
b.bookmark_rating, b.bookmark_urated,

    ub.bookmark_id,DATE_FORMAT(ub.userboo
kmark_date,'%d %b %Y') userbookmark_date,
ub.userbookmark_privacy,
ub.userbookmark_description,
ub.userbookmark_title FROM userbookmark_tag
ub, bookmark b
                        WHERE
ub.bookmark_id=b.bookmark_id AND
ut.bookmark_id=b.bookmark_id AND
ub.user_id=b.bookmark_firstuser AND
ub.user_id<>'$userId' AND (";

        while($allTagsRow=
mysql_fetch_array($allTags)){


        if($numRow==$allTagsNum)

        $query=$query."ub.tag_id='$allTagsRow
[tag_id]')";

                    else

        $query=$query."ub.tag_id='$allTagsRow
[tag_id]' OR ";
                $numRow++;
            }*/

        $query = "SELECT DISTINCT
b.bookmark_url,
DATE_FORMAT(b.bookmark_date,'%d %b %Y')
bookmark_date, b.bookmark_count,
b.bookmark_rating, b.bookmark_urated,

    ut.bookmark_id,DATE_FORMAT(ub.userboo
kmark_date,'%d %b %Y') userbookmark_date,
ub.userbookmark_privacy,
ub.userbookmark_description,ub.userbookmark_i
d, ub.userbookmark_title
            FROM user_bookmark ub,
userbookmark_tag ut, bookmark b
                        WHERE
ut.bookmark_id=b.bookmark_id AND
ub.userbookmark_id = ut.userbookmark_id
                        AND
ub.userbookmark_privacy='public'
                        AND
ut.user_id=b.bookmark_firstuser AND
ut.user_id<>'$userId' AND ut.tag_id IN (";

        while($allTagsRow=
mysql_fetch_array($allTags)){


        if($numRow==$allTagsNum)

        $query=$query."'$allTagsRow[tag_id]')
";

                    else
```

```php
        $query=$query."'$allTagsRow[tag_id]',
";
                        $numRow++;
                }

                if($sortBy=='rate'){
                        $query= $query."
ORDER BY b.bookmark_rating DESC";
                }
                else if($sortBy=='date' ||
$sortBy==""){
                        $query= $query."
ORDER BY ub.userbookmark_date
DESC,ub.userbookmark_time DESC";

                }
                else
if($sortBy=='frequency'){
                        $query= $query."
ORDER BY b.bookmark_count DESC";
                }


                //echo $query;


        $allRecommended=mysql_query("SELECT
DISTINCT b.bookmark_url, ub.bookmark_id FROM
userbookmark_tag ub, bookmark b
                            WHERE
ub.tag_id='$allTagsRow[tag_id]' AND
ub.bookmark_id=b.bookmark_id AND
ub.user_id<>'$userId'");


        $allRecommended=mysql_query($query);

        $num=mysql_num_rows($allRecommended);
                echo "<tr><td><form
id='sortForm'
action='".$_SERVER['PHP_SELF']."'>";
                echo "<select name='sortBy'
id='sortBy' onchange='this.form.submit()'>" ;
                echo "<option value='rate'";
                if($sortBy=='rate')
                        echo " selected";
                echo ">Rating</option>";
                echo "<option value='date'";
                if($sortBy=='date')
                        echo " selected";
                echo ">Date</option>";
                echo "<option
value='frequency'";
                if($sortBy=='frequency')
                        echo " selected";
                echo">Frequently
Visited</option>";
                echo "<input type='submit'
value='Sort' style='display:none'/>";
                echo  "</form><br
/></td></tr>";

        if($num==0){


        }
        else if($num>0){

        while ($row =
mysql_fetch_array($allRecommended)){

                /*echo "<form
id='userBookmarkForm' action='save-
recommended-bookmarks.php'>";

                echo "<input type='hidden'
name='bookmarkId' value='$row[bookmark_id]'
/>";

                echo "<tr><td> <div
class='container'><table><tr><td
class='date'>$row[bookmark_date]</td>";

                echo "<td><span
class='url'><a href='$row[bookmark_url]'
target='_blank'> $row[bookmark_url]
</a></span><br /></td></tr></table>";

                echo "<input type='submit'
value='Add to own Library'
/></div></td></tr>";

                echo "</form>";*/


                echo "<tr><td><form
id='userBookmarkForm' action='save-
recommended-bookmarks.php' method='post'>

                <input type='hidden'
name='bookmarkId' value='$row[bookmark_id]'/>

                <input type='hidden'
name='userBookmarkId'
value='$row[userbookmark_id]'/>";

                echo "<div
class='container'><table
class='descriptionContainer'><tr><td
width='15px'>";


        if($row['userbookmark_privacy']=='pri
vate'){

                        echo "<img
src='images/private.png' width='15px'
height='15px' />";


                }


                echo"</td><td
class='date'>$row[userbookmark_date]</td>

                        <td><span
class='title'><a href='$row[bookmark_url]'
target='_blank'>
$row[userbookmark_title]</a></span></td></tr>
";


        if($row[userbookmark_description]!=""
)

                                        echo
"<tr><td colspan='3'><br /><span
class='description'>$row[userbookmark_descrip
tion]</span></td></tr>";

                                        echo
"</table><br />";


                $eachBookmark =
mysql_query("SELECT ut.tag_id,
ut.userbookmarktag_id, ut.user_id,
ut.userbookmark_id,
```

```
                        t.tag_id, t.tag_name,
ub.userbookmark_id FROM userbookmark_tag ut,
tag t, user_bookmark ub

                        WHERE
ut.tag_id=t.tag_id AND ut.user_id='$userId'
AND
ut.userbookmark_id='$row[userbookmark_id]'
AND ub.userbookmark_id=ut.userbookmark_id");

                $eachBookmarkNum =
mysql_num_rows($eachBookmark);

                if($eachBookmarkNum>0){

                        $tagCount=0;

                        echo "<table
class='tags'>";

                        while
($eachBookmarkRow=
mysql_fetch_array($eachBookmark)){

        if($tagCount==0)

                                        echo
"<tr>";

        if($tagCount<=7){

                                        echo
"<td><a
href='search.php?term=$eachBookmarkRow[tag_na
me]&library=all'>$eachBookmarkRow[tag_name]</
a></td>";

        $tagCount++;

                                }

        if($tagCount==7){

                                        echo
"</tr>";

        $tagCount=0;

                                }
                        }

                        if($tagCount<7 &&
$tagCount>0)

                                echo "</tr>";

                        echo "</table>";
                }

                        echo "
```

```
                <div
class='addthis_toolbox addthis_default_style
'>

                        <a
class='addthis_button_facebook at300b'
title='Facebook'

        addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
                        <a
class='addthis_button_twitter at300b'
title='Twitter'

        addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
                        <a
class='addthis_button_email at300b'
title='Email'

        addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
                        <a
class='addthis_button_compact'></a>
                        </div>
                        <script
type='text/javascript'
src='//s7.addthis.com/js/300/addthis_widget.j
s#pubid=xa-51058376333bc519'></script>";


                echo "<br /><input
type='submit' value='Add to own Library' />";



                echo
"</div></form></td></tr>";
        }
            }
}
?>
```

```
                    </table>

            </div>
                                    </td>
                    </tr>
```

(fnc_groups)
content_approve_groups.inc

```php
<?php
 require("config.php");
 require("clean.php");

        $userId = $_SESSION['user_id'];
        $groupId=$_POST['groupId'];

        $toApproveSet = mysql_query("SELECT
ma.status, ma.user_id, ma.group_id,

        u.user_firstname,u.user_lastname,u.us
er_username FROM group_member_approve ma,
user u WHERE
                ma.status='toapprove' AND
ma.group_id=$groupId AND
u.user_id=ma.user_id");
        $toApproveNum =
mysql_num_rows($toApproveSet);

?>
                    <td rowspan="2">
                                        <div
id="body">

        <H1>Approve Membership</H1>

        <table>
<?php

        if($toApproveNum==0){

        echo "<tr><td><div
class='genMessage'>You have no users to
approve membership of.<br /></td></tr>";

                                    }
                                    else
if($toApproveNum>0){

        echo "<tr><td><div
class='container'><table>";

        while ($row =
mysql_fetch_array($toApproveSet)){

                echo "<form
id='userGroupForm' action='approve-
membership.php' method='POST'>";

                echo "<input type='hidden'
value='$row[user_id]' name='approveId'/>";

                echo "<input type='hidden'
value='$groupId' name='groupId'/>";


                $confirmMessage= "Are you
sure you don\'t want to approve membership
for $row[user_username]? This user could not
apply again.";
```

```php
                echo "<tr><td>>
$row[user_firstname]
$row[user_lastname]</td><td><a href='view-
profile.php?uid=$idRow[ufollower_id]'>$row[us
er_username]</td>

                <td><input type='submit'
value='Approve' name='submitValue'/>";

                echo "<input type='submit'
value='Do not Approve' name='submitValue'
onclick=";

                echo " \"return
confirm('$confirmMessage')\" />";



                echo "</td></tr>";

                echo "</form>";


            }

        echo "</table></div></td></tr>";

                                        }


?>

        </table>

        </div>
                                </td>
                        </tr>
```

content_approve_membership.inc

```php
<?php
        require("config.php");
        require("clean.php");
        $userId = $_SESSION['user_id'];
        $approveId=$_POST['approveId'];
        $groupId=$_POST['groupId'];

        $toApproveSet = mysql_query("SELECT
u.user_firstname,u.user_lastname,u.user_usern
ame FROM user u WHERE
                u.user_id=$approveId");

        $groupDetailSet = mysql_query("SELECT
group_name FROM groups WHERE
group_id=$groupId");


 ?>

        <td rowspan="2">
                                        <div
id="body">

        <H1>Approve Membership</H1>



                <table>
<?php
                                while ($row =
mysql_fetch_array($toApproveSet)){
```

```
                $groupRow =
mysql_fetch_array($groupDetailSet);


                echo "<tr><td><div
class='genMessage1'>Membership in
'$groupRow[group_name]' is approved
for :</div></td></tr>";

                echo "<tr><td><div
class='container'>

                    <table
class='descriptionContainer'>

                        <tr><td>";


                echo "</td><td
class='date'></td>

                    <td><span
class='title'><a
href='profile.php?uid=$approveId'> >
$row[user_firstname] $row[user_lastname]
($row[user_username])</a></span></td></tr>";

                echo "</table></td></tr>";


                                }
                                        echo
"<tr><td><div class='genMessage'> Click <a
href='view-groups.php'>here</a> to go back to
your list of groups.</div></td></tr>";

                                //query here

        $insertGroupMember =
mysql_query("INSERT INTO group_member
(user_type, user_id, group_id)
                            VALUES
('member', '$approveId', '$groupId') ") or
die ("Query Failed!");


        $insertUserGroup =
mysql_query("INSERT INTO user_group
(usergroup_type, user_id, group_id)
                            VALUES
('member', '$approveId', '$groupId') ") or
die ("Query Failed!");


        $groupMemberCount =
mysql_query("SELECT group_member_num FROM
groups WHERE group_id=$groupId") or die
("Query Failed!");
                        $row =
mysql_fetch_array($groupMemberCount);
                        $finalCount =
$row[group_member_num]+1;


        $updateGroupCount =
mysql_query("UPDATE groups SET
group_member_num='$finalCount' WHERE
group_id=$groupId") or die("Query Failed!");


        $updateApprove = mysql_query("UPDATE
group_member_approve SET status='approved'
```

```
WHERE group_id=$groupId and
user_id=$approveId")
                                        or die("Query
Failed!");


                                    ?>
                </table>


            </div>
                        </td>
                    </tr>
```

content_comment_group_bookmarks.inc

```
<?php
 require("config.php");
 require("clean.php");

 $bookmarkId=$_POST['bookmarkId'];
 $groupBookmarkId=$_POST['groupBookmarkId'];
 $groupId=$_GET['gid'];
 if($groupId=='')
            $groupId=$_POST['groupId'];

        $groupBookmarkSet =
mysql_query("SELECT gb.groupbookmark_id,
DATE_FORMAT(gb.groupbookmark_date,'%d %b %Y')
groupbookmark_date, gb.groupbookmark_time,

     gb.groupbookmark_description,
gb.groupbookmark_title, b.bookmark_url,
b.bookmark_id
                    FROM bookmark b,
group_bookmark gb WHERE
gb.groupbookmark_id=$groupBookmarkId AND
gb.bookmark_id=b.bookmark_id");

        $num =
mysql_num_rows($groupBookmarkSet);

?>
                    <td rowspan="2">
                            <div
id="body">

        <H1>Comment Group Bookmark</H1>

        <table>

<?php
        if($num==0){
            echo "Invalid group
bookmark";

        }
        else if($num!=0){

        echo "<form id='editBookmarkForm'
action='edit-group-bookmarks-process.php'
method='post'>";

        while ($row =
mysql_fetch_array($groupBookmarkSet)){

            echo "<tr><td><div
class='groupDetails'><table
class='descriptionContainer'>

            <tr><td></td><td
class='date'>$row[groupbookmark_date]</td>

            <td><span class='title'><a
```

120

```
href='$row[bookmark_url]'
target='_blank'>$row[groupbookmark_title]</a>
</td></tr>";

                echo "<tr><td
colspan='3'><span class='url1'><a
href='$row[bookmark_url]'
target='_blank'>$row[bookmark_url]</a></span>
</td></tr>";


                echo "<tr><td
colspan='3'><span class='description'><br
/>$row[groupbookmark_description]</span></td>
</tr></table><br />";

                $eachBookmark =
mysql_query("SELECT gt.tag_id,
gt.groupbookmarktag_id, gt.group_id,
gt.groupbookmark_id,

                t.tag_id, t.tag_name,
gb.groupbookmark_id FROM groupbookmark_tag
gt, tag t, group_bookmark gb

                    WHERE
gt.tag_id=t.tag_id AND gt.group_id='$groupId'
AND
gt.groupbookmark_id='$row[groupbookmark_id]'
AND
gb.groupbookmark_id=gt.groupbookmark_id");



                $eachBookmarkNum =
mysql_num_rows($eachBookmark);

                if($eachBookmarkNum>0){

                    $tagCount=0;

                    echo "<table
class='tags'>";

                    while
($eachBookmarkRow=
mysql_fetch_array($eachBookmark)){

        if($tagCount==0)

                            echo
"<tr>";

        if($tagCount<=7){

                            echo
"<td><a
href='search.php?term=$eachBookmarkRow[tag_na
me]&library=all'>$eachBookmarkRow[tag_name]</
a></td>";

        $tagCount++;

                        }

        if($tagCount==7){

                            echo
"</tr>";

                        $tagCount=0;

                    }

                }

                if($tagCount<7 &&
$tagCount>0)

                        echo "</tr>";


                    echo "</table>";

            }

            echo "</div></td></tr><br
/>";


        }

        echo "</form>";
        }
        //-------------PRINT BOOKMARK
COMMENTS ----------

            $groupBookmarkCommentSet =
mysql_query("SELECT gc.user_id,
u.user_firstname,u.user_lastname,
gc.groupbookmarkcomment_id,
DATE_FORMAT(gc.groupbookmarkcomment_date,'%d
%b %Y') groupbookmarkcomment_date,
gc.groupbookmarkcomment_time,

        gc.groupbookmarkcomment_text FROM
groupbookmark_comment gc, user u WHERE
gc.user_id=u.user_id AND
gc.groupbookmark_id=$groupBookmarkId") or die
("Query Failed!");

            $groupBookmarkCommentNum =
mysql_num_rows($groupBookmarkCommentSet);

            if($groupBookmarkCommentNum==0){
                echo "<tr><td
colspan='2'><br /><span
class='genMessage1'>There are no comments for
this bookmark.</span></td></tr>";

            }
            else
if($groupBookmarkCommentNum>0){

        echo "<tr><td><form
id='editBookmarkForm' action=''
method='post'>";

        while ($row =
mysql_fetch_array($groupBookmarkCommentSet)){

            echo "<div
class='container'><table
class='descriptionContainer'>";

            echo
"<tr><td>$row[groupbookmarkcomment_date]</td>
</tr>";
```

```php
            echo "<tr><td><span
class='description'>Shared by : <a
href='profile.php?uid=$row[user_id]'>$row[use
r_firstname]
$row[user_lastname]</a></span></td></tr>";

            echo "<tr><td><span
class='description'>$row[groupbookmarkcomment
_text]</span></td></tr>";

            echo "</table></div>";

        }

        echo "</form><td></tr>";
            }

            // ----------- ADD NEW
COMMENT ----------
            echo "<tr><td><form
id='addBookmarkCommentForm' action='add-
bookmark-comment-process.php'
method='post'>";
            echo "<input type='hidden'
name='bookmarkId' value='$bookmarkId'>";
            echo "<input type='hidden'
name='groupBookmarkId'
value='$groupBookmarkId'>";
            echo "<input type='hidden'
name='groupId' value='$groupId'>";

            echo "<br /><table><tr><td
colspan='2'><textarea name='bookmarkComment'
id='bookmarkComment' rows='8'
cols='55'></textarea></td></tr>";
            echo "<tr><td><br /><input
type='submit' value='Comment'
name='submitValue'/></tr>";
            echo "</table></form><br
/></td></tr>";

?>
                </table>


        </div>
                                    </td>
                            </tr>
```

content_comment_group_lists.inc

```php
<?php
 require("config.php");
 require("clean.php");

 $listId=$_POST['listId'];
 $groupListId=$_POST['groupListId'];
 $groupId=$_GET['gid'];
 if($groupId=='')
                $groupId=$_POST['groupId'];



        $groupLists=mysql_query("SELECT
l.list_id, l.list_name, l.list_description,
DATE_FORMAT(l.list_date,'%d %b %Y')
list_date, l.list_time, l.list_privacy,

        gl.grouplist_id,gl.grouplist_ccount
FROM group_list gl, list l WHERE
gl.list_id=l.list_id AND
gl.grouplist_id='$groupListId'");
```

```php
        $groupListsNum =
mysql_num_rows($groupLists);
?>
                    <td rowspan="2">
                                    <div
id="body">

        <H1>Comment Group List</H1>


<?php
        if($groupListsNum ==0){
                echo "Invalid group list.";

        }
        else if($groupListsNum>0){

        echo "<form id='editListForm'
action='' method='post'>";

        while ($row =
mysql_fetch_array($groupLists)){

                echo "<div
class='groupDetails'><table
class='descriptionContainer'>";

                echo "<tr><td
class='date'>$row[list_date]</td></tr>";

                echo "<tr><td><span
class='title'><a>$row[list_name]</a></span></
td></tr>";

                echo "<tr><td><span
class='description'>$row[list_description]</s
pan></td></tr>";

                echo "</table></div> <br />";

        }

        echo "</form>";
        }
        //-------------PRINT LIST COMMENTS --
--------

        $groupListCommentSet =
mysql_query("SELECT gc.grouplistcomment_id,
DATE_FORMAT(gc.grouplistcomment_date,'%d %b %
Y') grouplistcomment_date,
gc.grouplistcomment_time,

        gc.grouplistcomment_text FROM
grouplist_comment gc WHERE
gc.grouplist_id=$groupListId") or die ("Query
Failed!");

        $groupListCommentNum =
mysql_num_rows($groupListCommentSet);

        if($groupListCommentNum==0){
                echo "<tr><td
colspan='2'><br />There are no comments for
this list.</td></tr>";

        }
        else
if($groupListCommentNum>0){

        echo "<form id='editBookmarkForm'
action='' method='post'>";

        while ($row =
mysql_fetch_array($groupListCommentSet)){
```

```php
            echo "<div
class='container'><table
class='descriptionContainer'>";

            echo "<tr><td
class='date'>$row[grouplistcomment_date]</td>
</tr>";

            echo "<tr><td><span
class='description'>$row[grouplistcomment_tex
t]</td></tr>";

            echo "</table></div>";

        }

        echo "</form><br />";
                }

        // ----------- ADD NEW COMMENT ------
----
            echo "<form
id='addListCommentForm' action='add-list-
comment-process.php' method='post'>";
            echo "<table><tr><td
colspan='2'><textarea name='listComment'
id='listComment' rows='8'
cols='55'></textarea></td></tr>";
            echo "<input type='hidden'
name='listId' value='$listId'>";
            echo "<input type='hidden'
name='groupListId' value='$groupListId'>";
            echo "<input type='hidden'
name='groupId' value='$groupId'>";
            echo "<tr><td><input
type='submit' value='Comment'
name='submitValue'/></td></tr>";
            echo "</table></form>";

?>




        </div>
                                </td>
                        </tr>
```

content_create_groups.inc

```php
<?php require("config.php");
 require("clean.php");

 $userId = $_SESSION['user_id'];
?>
                                <td
rowspan="2">
                                        <div
id="body">

        <H1>Create a group</H1>

        <form id="createNoteForm"
action="create-group-process.php"
method="POST">

                <table>

        <tr><th>Name:</th><td><input
type="text" name="groupName"></td></tr>


                <tr><th>Description</th><td><textarea
```

```html
rows="15" cols="55"
name="groupDescription"></textarea></td></tr>


        <tr><th>Tags:</th><td><input
type="text" name="groupTags"></td></tr>


        <tr><td></td><td><span
class="reminder">*Separate each tag with a
comma</span></td></tr>




        <tr><th>Category:</th>

                                <td
colspan='3'><table>


        <tr><td><input type="radio"
name="groupCategory" value="Business &
Finance"></td><td>Business &
Finance</td><td><input type="radio"
name="groupCategory" value="Computers &
Internet"></td><td>Computers &
Internet</td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Cultures &
Community"></td><td>Cultures &
Community</td><td><input type="radio"
name="groupCategory" value="Entertainment &
Arts"></td><td>Entertainment &
Arts</td><td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Family &
Home"></td><td>Family & Home</td><td><input
type="radio" name="groupCategory"
value="Games"></td><td>Games</td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Government &
Politics"></td><td>Government &
Politics</td><td><input type="radio"
name="groupCategory" value="Health &
Wellness"></td><td>Health &
Wellness</td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Collecting &
Hobbies"></td><td>Collecting &
Hobbies</td><td><input type="radio"
name="groupCategory"
value="Music"></td><td>Music</td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Recreation &
Sports"></td><td>Recreation &
Sports</td><td><input type="radio"
name="groupCategory" value="Religion &
Beliefs"></td><td>Religion &
Beliefs</td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Romance &
Relationships"></td><td>Romance &
Relationships</td><td><input type="radio"
```

123

```
name="groupCategory" value="Schools &
Education"></td><td>Schools &
Education</td></tr>


        <tr><td><input type="radio"
name="groupCategory"
value="Science"></td><td>Science</td><td><inp
ut type="radio" name="groupCategory"
value="Travel"></td><td>Travel</td></tr>


        <tr><td><input type="radio"
name="groupCategory"
value="Travel"></td><td>Travel</td><td><input
type="radio" name="groupCategory"
value="Video"></td><td>Video</td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Not Categorized"
checked></td><td>Not Categorized</td></tr>


                </table></td></tr>


                <tr><th>Who can
view?</th>

                <td
colspan='3'><table>

                <tr><td><input
type="radio" name="groupView" value="Public"
checked></td><td>Public-Anyone can
view</td></tr>

                <tr><td><input
type="radio" name="groupView"
value="Private"></td><td>Private-only group
members can view</td></tr>

                </table></td></tr>


                <tr><th>How to
join?</th>

                <td
colspan='3'><table>

                <tr><td><input
type="radio" name="groupJoin" value="Open"
checked></td><td>Open - anyone can
join</td></tr>

                <tr><td><input
type="radio" name="groupJoin"
value="Apply"></td><td>Apply to join -
moderator approval required</td></tr>

                </table></td></tr>


                <tr><td><br /><input
type="submit" value="Create Group"
id='createGroup' name='createGroup'
/></td></tr>

        </table><br />

        </form>
```

                    </div>
                            </td>
                        </tr>

content_delete_groups.inc
```
<?php
 require("config.php");
 require("clean.php");

        $userId = $_SESSION['user_id'];
        $groupId=$_POST['groupId'];

        $groupDetails = mysql_query("SELECT
g.group_id, g.group_name, g.group_category,
g.group_description, g.group_join,
g.group_privacy, g.group_member_num
            FROM groups g, user_group ug
WHERE g.group_id=$groupId AND
ug.user_id='$userId' AND
ug.group_id=g.group_id");


?>
                <td rowspan="2">
                        <div
id="body">

        <H1>Edit Groups</H1>

        <table>
<?php


        while ($row =
mysql_fetch_array($groupDetails)){

        ?>

                <tr><td><table>

        <tr><td>Name:</td><td><?php echo
"$row[group_name]"; ?></td></tr>


        <tr><td>Description</td><td><?php
echo "$row[group_description]"; ?></td></tr>

                <?php


                $eachGroupTag =
mysql_query("SELECT gt.tag_id,
gt.groupTag_id,

                t.tag_id, t.tag_name
FROM group_tag gt, tag t

                WHERE
gt.tag_id=t.tag_id AND
gt.group_id='$row[group_id]'");

                $eachGroupNum =
mysql_num_rows($eachGroupTag);

                echo
"<tr><td>Tags(separate by comma):</td><td>";

                if($eachGroupNum>0){

                        while
```

124

```php
($eachGroupRow=
mysql_fetch_array($eachGroupTag)){

                                        echo
"$eachGroupRow[tag_name],";

                        }

                    echo "</td></tr>";

                }

                    ?>

        <tr><td>Category:</td><td><?php echo
"$row[group_category]"; ?> </td></tr>


                        <tr><td>Who can
view?</td>s<td><?php echo
"$row[group_privacy]"; ?></td></tr>



                        <tr><td>How to
join?</td><td><?php echo
"$row[group_join]"; ?></td></tr>



                echo "<tr><td><div
class='genMessage'>Click <a href='view-
groups.php'>here</a> to go back to your
groups.</div></td></tr>";


                    </table></td></tr>



        <?php


        }


        $deleteGroup = mysql_query("DELETE
FROM groups WHERE group_id='$groupId'") or
die ("Query Failed!");

        $deleteTags = mysql_query("DELETE
FROM group_tag WHERE group_id='$groupId'") or
die("Query Failed!");

        $deleteUserGroup =
mysql_query("DELETE FROM user_group WHERE
group_id='$groupId'") or die ("Query
Failed!");


?>

        </table>

        </div>
                            </td>
                        </tr>
```

content_donotapprove_membership.inc
```php
<?php
```

```php
        require("config.php");
        require("clean.php");
        $userId = $_SESSION['user_id'];
        $approveId=$_POST['approveId'];
        $groupId=$_POST['groupId'];

        $toApproveSet = mysql_query("SELECT
u.user_firstname,u.user_lastname,u.user_usern
ame FROM user u WHERE
            u.user_id=$approveId");

        $groupDetailSet = mysql_query("SELECT
group_name FROM groups WHERE
group_id=$groupId");

 ?>

        <td rowspan="2">
                                <div
id="body">

        <H1>Approve Membership</H1>


                <table>
<?php
                            while ($row =
mysql_fetch_array($toApproveSet)){

                $groupRow =
mysql_fetch_array($groupDetailSet);


                echo "<tr><td><div
class='genMessage1'>Membership in
'$groupRow[group_name]' is not approved
for :</div></td></tr>";
                echo "<tr><td><div
class='container'>

                        <table
class='descriptionContainer'>

                            <tr><td>";


                echo "</td><td
class='date'></td>

                            <td><span
class='title'><a
href='profile.php?uid=$approveId'> >
$row[user_firstname] $row[user_lastname]
($row[user_username])</a></span></td></tr>";

                echo "</table></td></tr>";


                            }
                            echo
"<tr><td><div class='genMessage'> Click <a
href='view-groups.php'>here</a> to go back to
your list of groups.</div></td></tr>";

                                //query here

        $updateApprove = mysql_query("UPDATE
group_member_approve SET status='notapproved'
WHERE group_id=$groupId and
user_id=$approveId")
```

or die("Query Failed!");

```
                                ?>
                    </table>


            </div>
                                </td>
                        </tr>
```

content_edit_groups.inc

```php
<?php
 require("config.php");
 require("clean.php");

        $groupId=$_POST['groupId'];
        $userId = $_SESSION['user_id'];

        $userGroupSet = mysql_query("SELECT
g.group_id, g.group_name, g.group_category,
g.group_description, g.group_join,
g.group_privacy, g.group_member_num
                FROM groups g, user_group ug
WHERE g.group_id=$groupId AND
ug.user_id='$userId' AND
ug.group_id=g.group_id");
        $num = mysql_num_rows($userGroupSet);

?>
                        <td rowspan="2">
                                            <div
id="body">

        <H1>Edit Groups</H1>


<?php
        if($num==0){

        echo "<tr><td>Nothing to
edit.</td></tr>";
        }
        else if($num!=0){

        echo "<form id='userGroupForm'
action='edit-groups-process.php'
method='POST'><table>";

        while ($row =
mysql_fetch_array($userGroupSet)){

        ?>

                        <tr><td><table>

        <tr><th>Name:</th><td><input
type="text" name="groupName" value="<?php
echo "$row[group_name]"; ?>"></td></tr>

        <tr><th>Description</th><td><textarea
rows="15" cols="55"
name="groupDescription"><?php echo
"$row[group_description]"; ?></textarea></td>
</tr>

                                <?php
```

```php
                        $eachGroupTag =
mysql_query("SELECT gt.tag_id,
gt.groupTag_id,

                        t.tag_id, t.tag_name
FROM group_tag gt, tag t

                        WHERE
gt.tag_id=t.tag_id AND
gt.group_id='$row[group_id]'");

                        $eachGroupNum =
mysql_num_rows($eachGroupTag);

                        echo
"<tr><th>Tags:</th><td><input type='text'
name='groupTags' value='";

                        if($eachGroupNum>0){

                                while
($eachGroupRow=
mysql_fetch_array($eachGroupTag)){

                                        echo
"$eachGroupRow[tag_name],";

                                }
                        }

                        echo "'
/></td></tr>";

                ?>


        <tr><td></td><td><span
class="reminder">*Separate each tag with a
comma</span></td></tr>


        <tr><th>Category:</th>

                                <td
colspan='3'><table>

        <tr><td><input type="radio"
name="groupCategory" value="Business &
Finance" <?php if($row[group_category] ==
"Business & Finance") echo
"checked='checked'"; ?>" /></td><td>Business
& Finance</td><td><input type="radio"
name="groupCategory" value="Computers &
Internet" <?php if($row[group_category]==
"Computers & Internet") echo
"checked='checked'"; ?>" /></td><td>Computers
& Internet</td></tr>

        <tr><td><input type="radio"
name="groupCategory" value="Cultures &
Community" <?php if($row[group_category]==
'Cultures & Community') echo
"checked='checked'"; ?>" /></td><td>Cultures
& Community</td><td><input type="radio"
name="groupCategory" value="Entertainment &
Arts" <?php if($row[group_category]==
"Entertainment & Arts") echo
```

```
"checked='checked'"; ?>"
/></td><td>Entertainment & Arts</td><td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Family & Home"
<?php if($row[group_category]== "Family &
Home") echo "checked='checked'"; ?>"
/></td><td>Family & Home</td><td><input
type="radio" name="groupCategory"
value="Games" <?php if($row[group_category]==
"Games") echo "checked='checked'"; ?>"
/></td><td>Games</td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Government &
Politics" <?php if($row[group_category]==
"Government & Politics") echo
"checked='checked'"; ?>"
/></td><td>Government &
Politics</td><td><input type="radio"
name="groupCategory" value="Health &
Wellness" <?php if($row[group_category]==
"Health & Wellness") echo
"checked='checked'"; ?>" /></td><td>Health &
Wellness</td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Collecting &
Hobbies" <?php if($row[group_category]==
"Collecting & Hobbies") echo
"checked='checked'"; ?>"
/></td><td>Collecting &
Hobbies</td><td><input type="radio"
name="groupCategory" value="Music" <?php
if($row[group_category]== "Music") echo
"checked='checked'"; ?>"
/></td><td>Music</td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Recreation &
Sports" <?php if($row[group_category]==
"Recreation & Sports") echo
"checked='checked'"; ?>"
/></td><td>Recreation & Sports</td><td><input
type="radio" name="groupCategory"
value="Religion & Beliefs" <?php
if($row[group_category]== "Religion &
Beliefs") echo "checked='checked'"; ?>"
/></td><td>Religion & Beliefs</td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Romance &
Relationships" <?php
if($row[group_category]== "Romance &
Relationships") echo "checked='checked'"; ?>"
/></td><td>Romance &
Relationships</td><td><input type="radio"
name="groupCategory" value="Schools &
Education" <?php if($row[group_category]==
"Schools & Education") echo
"checked='checked'"; ?>" /></td><td>Schools &
Education</td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Science" <?php
if($row[group_category]== "Science") echo
"checked='checked'"; ?>"
/></td><td>Science</td><td><input
type="radio" name="groupCategory"
value="Travel" <?php
```

```
if($row[group_category]== "Travel") echo
"checked='checked'"; ?>"
/></td><td>Travel</td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Travel" <?php
if($row[group_category]== "Travel") echo
"checked='checked'"; ?>"
/></td><td>Travel</td><td><input type="radio"
name="groupCategory" value="Video" <?php
if($row[group_category]== "Video") echo
"checked='checked'"; ?>"
/></td><td>Video</td></tr>


        <tr><td><input type="radio"
name="groupCategory" value="Not Categorized"
<?php if($row[group_category]== "Not
Categorized") echo "checked='checked'"; ?>"
/></td><td>Not Categorized</td></tr>


                        </table></td></tr>



                        <tr><th>Who can
view?</th>

                        <td
colspan='3'><table>

                        <tr><td><input
type="radio" name="groupView" value="Public"
<?php if($row[group_privacy]== "Public") echo
"checked='checked'"; ?> /></td><td>Public-
Anyone can view</td></tr>

                        <tr><td><input
type="radio" name="groupView" value="Private"
<?php if($row[group_privacy]== "Private")
echo "checked='checked'"; ?>
/></td><td>Private-only group members can
view</td></tr>

                        </table></td></tr>



                        <tr><th>How to
join?</th>

                        <td
colspan='3'><table>

                        <tr><td><input
type="radio" name="groupJoin" value="Open"
<?php if($row[group_join]== "Open") echo
"checked='checked'"; ?> /></td><td>Open -
anyone can join</td></tr>

                        <tr><td><input
type="radio" name="groupJoin" value="Apply"
<?php if($row[group_join]== "Apply") echo
"checked='checked'"; ?> /></td><td>Apply to
join - moderator approval required</td></tr>

                        </table></td></tr>



                  </table></td></tr>


                  <?php
```

```php
            echo "<input type='hidden'
name='groupId' value='$row[group_id]'/>";

        }




        echo "<tr><td><input type='submit'
value='Save Changes'
name='submitValue'/></td></tr>";

            </form></table>";



    }
?>



    </div>
                        </td>
                    </tr>
```

content_view_group_page.inc
```php
<?php
        require("config.php");
        $userId = $_SESSION['user_id'];
        $groupId = $_GET['gid'];
        $userType="";

        $groupPrivacy="";
        if($groupId=='')
                $groupId = $_POST['groupId'];

        $groupMembers = mysql_query("SELECT *
FROM group_member WHERE group_id=$groupId AND
user_id=$userId") or die ("Query Failed!");
        $groupMembersNum =
mysql_num_rows($groupMembers);


        $groupMemberApproval =
mysql_query("SELECT * FROM
group_member_approve WHERE group_id=$groupId
AND user_id=$userId") or die ("Query
Failed!");
        $groupMemberApprovalNum =
mysql_num_rows($groupMemberApproval);

        if($groupMembersNum != 0){ // if not
yet group member
                $memberRow =
mysql_fetch_array($groupMembers);

        $userType=$memberRow[user_type];
        }

        $groupDetails = mysql_query("SELECT
g.group_id, g.group_name, g.group_category,
g.group_description, g.group_join,
g.group_privacy, g.group_member_num
                FROM groups g WHERE
g.group_id=$groupId");
        $groupDetailsNum =
mysql_num_rows($groupDetails);

        $groupBookmarkSet =
mysql_query("SELECT gb.groupbookmark_id,
DATE_FORMAT(gb.groupbookmark_date,'%d %b %Y')
groupbookmark_date, gb.groupbookmark_time,

gb.groupbookmark_title,gb.groupbookmark_descr
iption,gb.groupbookmark_ccount,gb.groupbookma
rk_like, gb.groupbookmark_spam,gb.user_id,
b.bookmark_url, b.bookmark_id
                FROM bookmark b,
group_bookmark gb WHERE
gb.group_id='$groupId' AND
gb.bookmark_id=b.bookmark_id ORDER BY
gb.groupbookmark_date DESC,
gb.groupbookmark_time DESC");
        $groupBookmarkSetNum =
mysql_num_rows($groupBookmarkSet);
?>

                    <td rowspan="2">
                            <div
id="body">


    <table>
<?php
    if($groupDetailsNum==0){
            echo "Invalid group id.";
    }
    else if($groupDetailsNum>0){


            while ($row =
mysql_fetch_array($groupDetails)){


                            echo
"<H1>$row[group_name]</H1>";

        if($groupMembersNum == 0){ // if not
yet group member

        $memberRow =
mysql_fetch_array($groupMembers);


        echo "<form id='joinForm'
action='join-group-process.php'
method='post'>";

        echo "<input type='hidden'
value='$groupId' name='groupId' />";


        echo "<tr><td><input style='margin-
left:40px' type='submit' value='Join Group'
";

        if($groupMemberApprovalNum>0){


            $approvalRow=
mysql_fetch_array($groupMemberApproval);


        if($approvalRow[status]=='toapprove')
{

                echo " disabled/>";

                echo
"   <span
class='reminder'>Waiting for
Approval</span></td></tr>";

            }
```

```php
		if($approvalRow[status]=='notapproved
'){

				echo " disabled/>";

				echo
"   <span class='reminder'>You
were not approved to join the
group.</span></td></tr>";

			}


		}

	else

		echo "/></td></tr>";

	echo "</form>";
						}

	?>


			<tr><td colspan='2'><div
class='groupDetails'><table><tr><td>

		<?php

		$groupPrivacy =
$row[group_privacy];


	if($row[group_privacy]=='Private'){

				echo "<img
src='images/private.png' width='15px'
height='15px' />";

			}

			?>


				<tr><td><span
class='description'><?php echo
"$row[group_description]"; ?></span></td></tr
>


				<tr><td><span
class='category'><?php echo
"$row[group_category]"; ?> </span></td></tr>

				<tr><td

			<?php
if($row[group_join]=='Apply')

					echo
"<span class='category'>Apply to join -
moderator approval required</span><br />";

				else
if($row[group_join]=='Open')

					echo
"<span class='category'>Open - anyone can
join <br /><span>";?>
```

```php
				</td></tr>



				<?php


				$eachGroupTag =
mysql_query("SELECT gt.tag_id,
gt.groupTag_id,

				t.tag_id, t.tag_name
FROM group_tag gt, tag t

				WHERE
gt.tag_id=t.tag_id AND
gt.group_id='$row[group_id]'");

				$eachGroupNum =
mysql_num_rows($eachGroupTag);

				echo "<tr><td>";

				if($eachGroupNum>0){

				$tagCount=0;

				echo "<table
class='tags'>";


					while
($eachGroupRow=
mysql_fetch_array($eachGroupTag)){


			if($tagCount==0)

			echo "<tr>";

			if($tagCount<=7){

			echo "<td><a
href='search.php?term=$eachGroupRow[tag_name]
&library=all'>$eachGroupRow[tag_name]
</a></td>";

			$tagCount++;

						}


			if($tagCount==7){

			echo "</tr>";

			$tagCount=0;

						}
```

```
                                    }

                            if($tagCount<7 &&
$tagCount>0)

                                echo "</tr>";



                        echo "</table>";

                }

        echo "</td></tr>";

                        ?>



        </table></div></td></tr>


                <?php if( $groupMembersNum !=
0){ ?>

                        <tr><td><br /><span
class='groupPost'><a href="post-
bookmark.php?gid=<?php echo $groupId;?>">Post
Bookmark</a>    <a href="post-
list.php?gid=<?php echo $groupId;?>">Post
List</a></span></td></tr>
<?php
}
                }
        } //end of $num!=0

        // ----------------- PRINT GROUP
BOOKMARKS ------------------
        echo "<tr><td><h1>Group
Bookmarks</h1></td></tr>";
        //echo " privacy:".$groupPrivacy;
        if( $groupPrivacy=="Public" ||
($groupPrivacy=="Private" &&
$groupMembersNum != 0) ){
                if($groupBookmarkSetNum ==
0){
                        echo "<tr><td><div
class='genMessage'>There are no bookmarks for
this group yet.</div></td></tr>";
                }

                else if($groupBookmarkSetNum
> 0){
                        while ($row =
mysql_fetch_array($groupBookmarkSet)){

                        echo "<form
id='groupBookmarkForm' action='edit-delete-
group-bookmarks.php?gid=$groupId'
method='post'>";

                        echo "<input
type='hidden' name='bookmarkId'
value='$row[bookmark_id]'/>";

                        echo "<input
type='hidden' name='groupBookmarkId'
value='$row[groupbookmark_id]'/>";

                        echo "<input
type='hidden' name='groupId'
value='$groupId'/>";

                        echo "<input
```

```
type='hidden' name='referer'
value='fromGroupPage'/>";



                        echo "<tr><td><div
class='container'><table
class='descriptionContainer'><tr><td
class='date'>$row[groupbookmark_date]</td>";

                        echo "<td><span
class='title'><a href='$row[bookmark_url]'
target='_blank'> $row[groupbookmark_title]
</a></td></tr>";

                        echo "<tr><td
colspan='2'><br /><span
class='description'>$row[groupbookmark_descri
ption]</span></td></tr></table> <br />";


                        $eachBookmark =
mysql_query("SELECT gt.tag_id,
gt.groupbookmarktag_id, gt.group_id,
gt.groupbookmark_id,

                                t.tag_id,
t.tag_name, gb.groupbookmark_id FROM
groupbookmark_tag gt, tag t, group_bookmark
gb

                                WHERE
gt.tag_id=t.tag_id AND gt.group_id='$groupId'
AND
gt.groupbookmark_id='$row[groupbookmark_id]'
AND
gb.groupbookmark_id=gt.groupbookmark_id");


        $eachBookmarkNum=mysql_num_rows($each
Bookmark);



        if($eachBookmarkNum>0){

                                $tagCount=0;

                                echo "<table
class='tags'>";

                                while
($eachBookmarkRow=
mysql_fetch_array($eachBookmark)){


        if($tagCount==0)

        echo "<tr>";


        if($tagCount<=7){

        echo "<td><a
href='search.php?term=$eachBookmarkRow[tag_na
me]&library=all'>$eachBookmarkRow[tag_name]</
a></td>";
```

130

```
$tagCount++;                                    addthis:title='$row[groupbookmark_title]'
        }
                                                addthis:description='$row[groupbookmark_descr
if($tagCount==7){                               iption]'></a>
                                                        <a
echo "</tr>";                                   class='addthis_button_compact'></a>
                                                        </div>
$tagCount=0;                                            <script
                                                type='text/javascript'
        }                                       src='//s7.addthis.com/js/300/addthis_widget.j
                                                s#pubid=xa-51058376333bc519'></script>";
}
                                                        echo "<br
if($tagCount<7 &&                               />";
$tagCount>0)
                                                        $confirmMessage= "Are
            echo                                you sure you want to delete
"</tr>";                                         $row[groupbookmark_title]:
                                                $row[bookmark_url]?";
            echo
"</table>";                                             if($userType!=""){
        }                                                       echo "<span
                                                class='buttons'><input type='image'
            echo "                               src='images/thumbsUp.png' title='Like'
                                                value='Like' name='submitValue' class='like'
            <div                                 /> <span
class='addthis_toolbox addthis_default_style    class='likeDislikeCount'>$row[groupbookmark_l
'>                                              ike]</span>";

            <a                                             //echo "<span
class='addthis_button_facebook at300b'          class='buttons'><input type='image'
title='Facebook'                                src='images/thumbsDown.png' title='Dislike'
                                                value='Spam' name='submitValue'
addthis:url='$row[bookmark_url]'                 class='like'/></span>";

addthis:title='$row[groupbookmark_title]'                   echo "<span
                                                class='buttons'><input type='submit'
addthis:description='$row[groupbookmark_descr    value='Comments' name='submitValue'/><span
iption]'></a>                                   class='likeDislikeCount'>$row[groupbookmark_c
            <a                                  count]</span></span>";
class='addthis_button_twitter at300b'
title='Twitter'                                         }

addthis:url='$row[bookmark_url]'                if($userType=='administrator' ||
                                                $row[user_id]==$userId){
addthis:title='$row[groupbookmark_title]'
                                                        echo "<span
addthis:description='$row[groupbookmark_descr    class='buttons'><input type='submit'
iption]'></a>                                   value='Edit' name='submitValue'/></span>";
            <a                                          echo "<span
class='addthis_button_email at300b'             class='buttons'><input type='submit'
title='Email'                                   value='Delete' name='submitValue' onclick=";
                                                        echo " \"return
addthis:url='$row[bookmark_url]'                confirm('$confirmMessage')\"
                                                /></span></div></td></tr>";

                                                        }

                                                        echo "</form>";

                                                        }
                                                        }
```

```
        }// end of privacy

        else{
                echo "<tr><td><div
class='genMessage'>You are not allowed to
view this group's saved
bookmarks.</div><td></tr>";
        }

        // ----------------- PRINT GROUP
LISTS -------------------
        echo "<tr><td><h1>Group
Lists</h1></td></tr>";
        $groupLists=mysql_query("SELECT
l.list_id, l.list_name, l.list_description,
DATE_FORMAT(l.list_date,'%d %b %Y')
list_date, l.list_time, l.list_privacy,
        gl.grouplist_id,gl.grouplist_ccount,
gl.grouplist_like FROM group_list gl, list l
WHERE gl.list_id=l.list_id AND
gl.group_id='$groupId'");
        $groupListsNum =
mysql_num_rows($groupLists);


        if( $groupPrivacy=="Public" ||
($groupPrivacy=="Private" &&
$groupMembersNum != 0) ){
                if($groupListsNum==0){

                echo "<tr><td><div
class='genMessage'>You have no saved
lists.</div><td></tr>";
                }
                else if($groupListsNum>0){

                while ($row =
mysql_fetch_array($groupLists)){

                        echo "<tr><td><form
id='groupListForm' action='edit-delete-group-
lists.php' method='POST'>";

                        echo "<input
type='hidden' name='groupListId'
value='$row[grouplist_id]'/>";

                        echo "<input
type='hidden' name='listId'
value='$row[list_id]'/>";

                        echo "<input
type='hidden' name='groupId'
value='$groupId'/>";



                        echo "<div
class='container'><table
class='descriptionContainer'><tr><td></td>";

                        echo "<td
class='date'>$row[list_date]</td>";

                        echo "<td><span
class='title'><a href='view-grouplist-
content.php?lid=$row[list_id]&gid=$groupId'>$
row[list_name]</a></span></td></tr>";

                        echo "<tr><td
colspan='2'><br /><span
class='description'>$row[list_description]</s
pan></td></tr></table><br />";
```

```
                        $confirmMessage= "Are
you sure you want to delete list
$row[list_name]?";

                        if($userType!=""){

                                echo "<span
class='buttons'><input type='image'
src='images/thumbsUp.png' title='Like'
class='like' value='Like'
name='submitValue'/><span
class='likeDislikeCount'>$row[grouplist_like]
</span></span>";

                                echo "<span
class='buttons'><input type='image'
src='images/thumbsDown.png' title='Dislike'
value='Spam' name='submitValue' class='like'
name='submitValue'/></span>";

                                echo "<span
class='buttons'><input type='submit'
value='Comments' name='submitValue'/><span
class='likeDislikeCount'>$row[grouplist_ccoun
t]</span></span>";

                        }




        if($userType=='administrator' ||
$row[user_id]==$userId){

                                echo "<span
class='buttons'><input type='submit'
value='Edit' name='submitValue'/></span>";

                                echo "<span
class='buttons'><input type='submit'
value='Delete' name='submitValue' onclick=";

                                echo "
\"return confirm('$confirmMessage')\"
/></span>";

                                echo
"</div></form></td></tr>";
                        }

                }


                }
        } // end of if
( $groupPrivacy=="Public" ||
($groupPrivacy=="Private" &&
$groupMembersNum != 0) )

        else{
                echo "<tr><td><div
class='genMessage'>You are not allowed to
view this group's saved lists.</div><br
/><td></tr>";
        }

?>

        </table>

        </div>
                                </td>
```

content_view_groups.inc

```php
<?php require("config.php");
 require("clean.php");

        $userId = $_SESSION['user_id'];
        $userGroupSet = mysql_query("SELECT
g.group_id,
DATE_FORMAT(g.group_date,'%d %b %Y')
group_date,ug.usergroup_type,g.group_name,
g.group_description,g.group_category,
g.group_join, g.group_privacy,
g.group_member_num
                FROM groups g, user_group ug
WHERE ug.user_id='$userId' AND
ug.group_id=g.group_id");
        $num = mysql_num_rows($userGroupSet);

?>
                        <td rowspan="2">
                                        <div
id="body">

        <H1>Groups</H1>

        <table>
<?php
        if($num==0){

        echo "<tr><td><div
class='genMessage'>You are not a member of
any group.<br />";

        echo "You can create your own group
<a href='create-groups.php'>here</a> or

        be a member of some of the
recommended groups <a href='view-
rgroups.php'>here</a>. </div><td></tr>";
        }
        else if($num!=0){


        while ($row =
mysql_fetch_array($userGroupSet)){

                echo "<form
id='userGroupForm' action='edit-delete-
groups.php' method='POST'>";

                echo "<input type='hidden'
name='groupId' value='$row[group_id]'/>";

                echo "<tr><td><div
class='container'><table
class='descriptionContainer'><tr><td>";



        if($row[group_privacy]=='Private'){

                        echo "<img
src='images/private.png' width='15px'
height='15px' />";

                }

                echo "</td><td
class='date'>$row[group_date]</td>

                        <td><span
class='title'><a href='view-group-
page.php?gid=$row[group_id]' >
$row[group_name] </a></span></td></tr>";
```

```php
        echo "<tr><td
colspan='3'><span class='description'><br
/>$row[group_description]</span></td></tr></t
able><br />";

                echo "<span
class='category'>$row[group_category]</span><
br /> ";

                if($row[group_join]=='Apply')

                        echo "<span
class='category'>Apply to join - moderator
approval required</span><br />";

                else
if($row[group_join]=='Open')

                        echo "<span
class='category'>Open - anyone can join <br
/><span>";




                echo "<span
class='members'>$row[group_member_num]
member(s)</span><br /><br />";



                $eachGroupTag =
mysql_query("SELECT gt.tag_id,
gt.groupTag_id,

                        t.tag_id, t.tag_name
FROM group_tag gt, tag t

                WHERE
gt.tag_id=t.tag_id AND
gt.group_id='$row[group_id]'");

                $eachGroupNum =
mysql_num_rows($eachGroupTag);

                if($eachGroupNum>0){

                        $tagCount=0;

                        echo "<table
class='tags'>";



                        while ($eachGroupRow=
mysql_fetch_array($eachGroupTag)){

        if($tagCount==0)

                                        echo
"<tr>";

        if($tagCount<=7){

                                        echo
"<td><a
href='search.php?term=$eachGroupRow[tag_name]
&library=all'>$eachGroupRow[tag_name]</a></td
>";

        $tagCount++;
```

133

```
                                                    }

            if($tagCount==7){

                                                                    echo
"</tr>";

            $tagCount=0;

                                                    }

                                    }

                                    if($tagCount<7 &&
$tagCount>0)

                                            echo "</tr>";

                            echo "</table>";

                    }

                    $confirmMessage= "Are you
sure you want to delete group
$row[group_name]?";


            if($row[usergroup_type]=='administrat
or'){

            if($row[group_join]=='Apply'){

                                            echo "<input
type='submit' value='Approve Group Members'
name='submitValue'/>";

                            }

                            echo "<input
type='submit' value='Edit Group'
name='submitValue'/><input type='submit'
value='Delete Group' name='submitValue'
onclick=";

                            echo " \"return
confirm('$confirmMessage')\" />";

                    }


                    echo"</div></td></tr>";

                    echo "</form>";

            }


            }
?>

        </table>


        </div>
                                    </td>
                            </tr>
```

content_view_rgroups.inc

```
<?php require("config.php");
 require("clean.php");

        $userId = $_SESSION['user_id'];
        $allTags= mysql_query("SELECT
distinct ut.tag_id, t.tag_name FROM user_tag
ut, tag t
            WHERE ut.user_id='$userId'
AND ut.tag_id=t.tag_id");
        $allTagsNum =
mysql_num_rows($allTags);
?>
        <td rowspan="2">
                                            <div
id="body">

        <H1>Recommended Groups</H1>

        <form id="userBookmarkForm"
action="edit-delete-bookmarks.php">

                <table>
<?php
if($allTagsNum>0){
        $noGroupsCtr=0;
                while($allTagsRow=
mysql_fetch_array($allTags){

        $allRecommended=mysql_query("SELECT
DISTINCT g.group_id, g.group_name,
g.group_category, g.group_privacy,
g.group_member_num  FROM groups g, group_tag
gt
                            WHERE
gt.tag_id='$allTagsRow[tag_id]' AND
gt.group_id=g.group_id");

        $num=mysql_num_rows($allRecommended);

                if($num==0){

        $noGroupsCtr++;
                }
                else if($num!=0){

                echo "<tr><td><span
class='genMessage1' style='margin-
left:0px;'>($allTagsRow[tag_name])</span></td
></tr>";



                while ($row =
mysql_fetch_array($allRecommended)){

                echo "<form
id='userGroupForm' action='edit-delete-
groups.php' method='POST'>";

                echo "<input type='hidden'
name='groupId' value='$row[group_id]'/>";

                echo "<tr><td><div
class='container' style='margin-
left:0px;'><table
class='descriptionContainer'><tr><td>";



                if($row[group_privacy]=='Private'){

                        echo "<img
```

```
src='images/private.png' width='15px'
height='15px' />";

                }


        echo "</td><td
class='date'>$row[group_date]</td>

                <td><span
class='title'><a href='view-group-
page.php?gid=$row[group_id]' >
$row[group_name] </a></span></td></tr>";

                echo "<tr><td
colspan='3'><span class='description'><br
/>$row[group_description]</span></td></tr></t
able><br />";

                echo "<span
class='category'>$row[group_category]</span><
br /> ";

                if($row[group_join]=='Apply')

                        echo "<span
class='category'>Apply to join - moderator
approval required</span><br />";

                else
if($row[group_join]=='Open')

                        echo "<span
class='category'>Open - anyone can join <br
/><span>";



                echo "<span
class='members'>$row[group_member_num]
member(s)</span><br /><br />";



        $eachGroupTag =
mysql_query("SELECT gt.tag_id,
gt.groupTag_id,

                t.tag_id, t.tag_name
FROM group_tag gt, tag t
                WHERE
gt.tag_id=t.tag_id AND
gt.group_id='$row[group_id]'");

        $eachGroupNum =
mysql_num_rows($eachGroupTag);

                if($eachGroupNum>0){

                        $tagCount=0;

                        echo "<table
class='tags'>";



                        while
($eachGroupRow=
mysql_fetch_array($eachGroupTag)){


        if($tagCount==0)
```

```
        echo "<tr>";

        if($tagCount<=7){

        echo "<td><a
href='search.php?term=$eachGroupRow[tag_name]
&library=all'>$eachGroupRow[tag_name]</a></td
>";


        $tagCount++;

                                }

        if($tagCount==7){

        echo "</tr>";

        $tagCount=0;

                                }
                        }

        if($tagCount<7 && $tagCount>0)

                                echo
"</tr>";


                        echo
"</table>";
                }
        }


        /*while ($row =
mysql_fetch_array($allRecommended)){

                echo "<td><a
href='view-group-
page.php?gid=$row[group_id]'>
$row[group_name] </a></td></tr>";
                echo
"<tr><td>$row[group_category]</td>

<td>$row[group_privacy]</td>

<td>$row[group_member_num] members</td>
                </tr>";


        $eachGroupTag =
mysql_query("SELECT gt.tag_id,
gt.groupTag_id,

                t.tag_id,
t.tag_name FROM group_tag gt, tag t
```

135

```
                              WHERE
gt.tag_id=t.tag_id AND
gt.group_id='$row[group_id]'");


                    $eachGroupNum =
mysql_num_rows($eachGroupTag);

                    if($eachGroupNum>0){

                         echo "<tr>";

                         while
($eachGroupTagRow=
mysql_fetch_array($eachGroupTag)){

                                   echo
"<td><a
href=''>$eachGroupTagRow[tag_name]</a></td>";

                         }

                         echo "</tr>";

                    }

               }*/

               }// end of num!=0

          } // end ($allTagsNum>0)

          if($noGroupsCtr==$allTagsNum)
          echo "<tr><td><div
class='genMessage'>No recommended
groups.</div></td></tr>";

     } // end of $allTagsNum>0

     else if($allTagsNum==0){
          echo "<tr><td><div
class='genMessage'>No recommended
groups.</div></td></tr>";

     }

     ?>



               </table>

          </form>

          </div>
                              </td>
                    </tr>
```

group_page_members.inc

```php
<?php
     require("config.php");

     $groupId = $_GET['gid'];
     if($groupId=='')
          $groupId = $_POST['groupId'];

     $groupMembers = mysql_query("SELECT
user_id, user_type FROM group_member WHERE
group_id=$groupId") or die ("Query Failed!");
     $groupMembersNum =
mysql_num_rows($groupMembers);
     ?>
```

```
                    <tr>
                         <td><div
id="submenu">

          <H1>Group Members</H1>

          <table>
                                        <?php
          if($groupMembersNum==0){

          echo "There are no members of this
group.";
                                        }
                                        else
if($groupMembersNum>0){

          while ($row =
mysql_fetch_array($groupMembers)){

               $memberDetails =
mysql_query("SELECT user_firstname,
user_lastname, user_username

               FROM user WHERE
user_id=$row[user_id]") or die ("Query
Failed!");


               while($userRow =
mysql_fetch_array($memberDetails)){

                    echo "<tr><td><a
href='view-
profile.php?uid=$row[user_id]'>$userRow[user_
username]</a></td></tr>";

               }

          }
                                        }
                                        ?>

          </table>

          </div>
                              </td>
```

group_tags.inc

```php
<?php require("config.php");
 require_once("clean.php");

     $groupId = $_GET['gid'];

     if ($groupId == ''){
          $groupId = $_POST['groupId'];
     }
     $allTags= mysql_query("SELECT
distinct gt.tag_id, t.tag_name FROM group_tag
gt, tag t
          WHERE group_id='$groupId' AND
gt.tag_id=t.tag_id") or die ("Query
failed!");
     $allTagsNum =
mysql_num_rows($allTags);
?>

     <tr id="tagRow">
                              <td><div
id="tags"><H1>Group Tags</H1><table>
<?php

          if($allTagsNum>0){
```

```
                                    echo
"<tr>";

        while($allTagsRow=
mysql_fetch_array($allTags)){

        echo "<td><a
href='search.php?term=$allTagsRow[tag_name]&l
ibrary=all'>$allTagsRow[tag_name]</a></td>";
                                    }
                                    echo
"</tr>";
                            }


                            else
if($allTagsNum==0){
                                    echo
"<tr><td><div class='genMessage'>You have no
saved tags.</div></td></tr>";
                            }
?>

        </table></div>
                            </td>
                    </tr>
```

group_menu.inc

```
<?php require("config.php");
 require_once("clean.php");

        $groupId = $_GET['gid'];

        if ($groupId == ''){
                $groupId = $_POST['groupId'];
        }
        $allTags= mysql_query("SELECT
distinct gt.tag_id, t.tag_name FROM group_tag
gt, tag t
                WHERE group_id='$groupId' AND
gt.tag_id=t.tag_id") or die ("Query
failed!");
        $allTagsNum =
mysql_num_rows($allTags);
?>

        <tr id="tagRow">
                            <td><div
id="tags"><H1>Group Tags</H1><table>
<?php

        if($allTagsNum>0){
                                    echo
"<tr>";

        while($allTagsRow=
mysql_fetch_array($allTags)){

        echo "<td><a
href='search.php?term=$allTagsRow[tag_name]&l
ibrary=all'>$allTagsRow[tag_name]</a></td>";
                                    }
                                    echo
"</tr>";
                            }


                            else
if($allTagsNum==0){
                                    echo
"<tr><td><div class='genMessage'>You have no
saved tags.</div></td></tr>";
                            }
?>

        </table></div>
```

```
                            </td>
                    </tr>
```

(fnc_lists)

content_create_lists.inc

```
<?php require("config.php");
 require("clean.php");

?>
        <td rowspan="2">
                            <div
id="body">

        <H1>Create New List</H1>

        <form id="createListForm" form
action="create-lists-process.php"
method="POST">

                <table>

                    <tr><th>New List
Name:</td><td><input type="text"
name="listTitle"></td></tr>

                    <!--
<tr><td></td><th><input type="checkbox"
name="listPrivacy" value="private" checked>

                    <img
src='images/private.png' width='15px'
height='15px' />Private</th></tr>-->


        <tr><th>Description:</th><td><textare
a rows="5" cols="50"
name="listDescription"></textarea></td></tr>

                    <tr><td><input
type="submit" value="Create List"
id='createList' name='createList'/></td></tr>

                </table>

        </form>

        </div>
                            </td>
```

content_delete_bookmarks_from_lists.inc

```
<?php
        require("config.php");
        require("clean.php");
        $userId = $_SESSION['user_id'];
        $bookmarkId=$_POST['bookmarkId'];

$userBookmarkId=$_POST['userBookmarkId'];
        $referer=$_POST['referer'];

        $bookmarkDetails =
mysql_query("SELECT ub.userbookmark_id,
ub.userlist_id,
DATE_FORMAT(ub.userbookmark_date,'%d %b %Y')
userbookmark_date, ub.userbookmark_time,
                ub.userbookmark_privacy,
ub.userbookmark_description,
ub.userbookmark_title, b.bookmark_url,
b.bookmark_id
                FROM bookmark b,
user_bookmark ub WHERE
ub.userbookmark_id='$userBookmarkId' AND
ub.bookmark_id=b.bookmark_id");


?>
```

```php
        <td rowspan="2">
                                                <div
id="body">

        <H1>Delete Bookmarks</H1>


                <table>
<?php

        $userBookmarkList="";
                                while ($row =
mysql_fetch_array($bookmarkDetails)){

        $userBookmarkList=$row[userlist_id];

                echo "<tr><td><div
class='container'>

                        <table
class='descriptionContainer'>

                        <tr><td>";

        if($row['userbookmark_privacy']=='pri
vate'){

                        echo "<img
src='images/private.png' width='15px'
height='15px' />";

                }
                echo "</td><td
class='date'>$row[userbookmark_date]</td>

                        <td><span
class='title'><a
href='$row[userbookmark_url]'>$row[userbookma
rk_title]</a></span></td></tr>";


                echo "<tr><td colspan='3'><br
/><span
class='description'>$row[userbookmark_descrip
tion]</span></td></tr></table><br />";

                $eachBookmark =
mysql_query("SELECT ut.tag_id,
ut.userbookmarktag_id, ut.user_id,
ut.userbookmark_id,

                        t.tag_id, t.tag_name,
ub.userbookmark_id FROM userbookmark_tag ut,
tag t, user_bookmark ub

                        WHERE
ut.tag_id=t.tag_id AND ut.user_id='$userId'
AND
ut.userbookmark_id='$row[userbookmark_id]'
AND ub.userbookmark_id=ut.userbookmark_id");

                $eachBookmarkNum =
mysql_num_rows($eachBookmark);


                if($eachBookmarkNum>0){

                        $tagCount=0;

                        echo "<table
class='tags'>";

                        while
($eachBookmarkRow=
mysql_fetch_array($eachBookmark)){

                        if($tagCount==0)

                                        echo
"<tr>";

                        if($tagCount<=7){
                                        echo
"<td><a
href='search.php?term=$eachBookmarkRow[tag_na
me]&library=all'>$eachBookmarkRow[tag_name]</
a></td>";

                        $tagCount++;

                                }

                        if($tagCount==7){
                                        echo
"</tr>";

                        $tagCount=0;

                                }

                        }

                        if($tagCount<7 &&
$tagCount>0)

                        echo "</tr>";


                        echo "</table>";

                }
                echo "</div></td></tr>";

                }
                                if
($referer=='fromList'){

        $userListId = mysql_query("SELECT
list_id from user_list where
userlist_id='$userBookmarkList'");

        $userListId1 =
mysql_fetch_array($userListId);

        echo "<tr><td><div
class='genMessage'> Click <a href='./view-
list-
content.php?lid=$userListId1[list_id]'>here</
a> to go back to the contents of your
list.</div></td></tr>";
                                }

        $deleteBookmarkFromList =
```

138

```php
mysql_query("UPDATE user_bookmark SET
userlist_id='0' WHERE
userbookmark_id='$userBookmarkId'") or
die("Query Failed!");

                               ?>

               </table>


           </div>
                               </td>
                           </tr>
```

content_delete_lists.inc

```php
<?php require("config.php");
 require("clean.php");

       $userListId =$_POST['userListId'];
       $listId =$_POST['listId'];

       $userLists=mysql_query("SELECT
l.list_id,l.list_name, l.list_description,
DATE_FORMAT(l.list_date,'%d %b %Y')
list_date, l.list_time, l.list_privacy,
       ul.userlist_id FROM user_list ul,
list l WHERE ul.userlist_id=$userListId AND
ul.list_id=l.list_id");

       $deleteList = mysql_query("DELETE
FROM list WHERE list_id='$listId'");
       $deleteUserList = mysql_query("DELETE
FROM user_list WHERE list_id='$listId'");


?>
                           <td rowspan="2">
                                       <div
id="body">

       <H1>Delete Lists</H1>


               <table>
<?php
                       while ($row =
mysql_fetch_array($userLists)){


               echo "<tr><td><div
class='container'><table
class='descriptionContainer'><tr><td>";


       if($row[list_privacy]=='private'){
                               echo "<img
src='images/private.png' width='15px'
height='15px' />";

                   }
               echo "</td><td
class='date'>$row[list_date]</td>

                               <td><span
class='title'><a href='view-list-
content.php?lid=$row[list_id]'>$row[list_name
]</a></span></td></tr>";

                       echo "<tr><td colspan='4'><br
/><span
```

```php
class='description'>$row[list_description]</s
pan></td>

                                       </tr><br />
</table>";


               echo "<tr><td><span
class='genMessage'>Click <a href='view-
lists.php'>here</a> to go back to your
lists.</span></td></tr>";

           }


?>

       </table>

       </div>
                               </td>
                   </tr>
```

content_edit_lists.inc

```php
<?php require("config.php");
 require("clean.php");

       $userListId =$_POST['userListId'];

       $userLists=mysql_query("SELECT
l.list_id,l.list_name, l.list_description,
l.list_date, l.list_time, l.list_privacy,
       ul.userlist_id FROM user_list ul,
list l WHERE ul.userlist_id=$userListId AND
ul.list_id=l.list_id");
       $num = mysql_num_rows($userLists);

?>
                   <td rowspan="2">
                                   <div
id="body">

       <H1>Lists</H1>



<?php
       if($num==0){


       echo "<table><tr><td><div
class='genMessage'>You have no saved
lists.<br />";

       echo "Create new lists in this <a
href='create-
lists.php'>page</href>.</div><td></tr></table
>";


       }
       else if($num!=0){


       while ($row =
mysql_fetch_array($userLists)){

               echo "<form id='userListForm'
action='edit-lists-process.php'
method='POST'><table>";

                       echo
```

```php
"<tr><th>Date:</th><td>$row[list_date]</td></
tr>";

                //echo
"<tr><th>Privacy:</th><td>$row[list_privacy]<
/td></tr>";

                echo "<tr><th>List
Name:</th><td><input type='text'
name='listName' id='listName' size='40'
value='$row[list_name]' /></td></tr>";

                echo "<tr><th>List
Description:</th><td><textarea
name='listDesc' id='listDesc' rows='15'
cols='55'>
$row[list_description]</textarea></td></tr>";

                echo "<input type='hidden'
name='listId' value='$row[list_id]'/>";

                echo "<input type='hidden'
name='userListId' value='$userListId'/>";

                echo "<tr><td><input
type='submit' value='Save Changes'
name='submitValue'/></td></tr>

                </table></form>";

        }


        }
?>


        </div>
                                </td>
                        </tr>
```

content_view_list_member.inc
```php
<?php require("config.php");
 require("clean.php");


        $userId = $_SESSION['user_id'];
        $listId = $_GET['lid'];

        $userListId = mysql_query("SELECT
userlist_id from user_list where
user_id='$userId' and list_id='$listId'");
        $userListId1 =
mysql_fetch_array($userListId);

        $query="SELECT ub.userbookmark_id,
ub.userlist_id,
DATE_FORMAT(ub.userbookmark_date,'%d %b %Y')
userbookmark_date, ub.userbookmark_time,
                ub.userbookmark_privacy,
ub.userbookmark_description,
ub.userbookmark_title, b.bookmark_url,
b.bookmark_id
                FROM bookmark b,
user_bookmark ub WHERE ub.user_id='$userId'
AND ub.bookmark_id=b.bookmark_id AND
ub.userlist_id=$userListId1[userlist_id]";

        $userBookmarkSet =
mysql_query($query)  or die("Error!");
        $userBookmarkSetNum =
mysql_num_rows($userBookmarkSet);

        //--------------- NOTE MEMBER ------
---

        $userNoteSet = mysql_query("SELECT
note_id, note_title, note_text, note_privacy,
DATE_FORMAT(note_date,'%d %b %Y') note_date1
FROM note
        WHERE user_id='$userId' AND
notelist_id=$userListId1[userlist_id] ORDER
BY note_date1 DESC");

        $userNoteSetNum =
mysql_num_rows($userNoteSet);


?>
                        <td rowspan="2">
                                <div
id="body">

        <H1>List Content</H1>


                <table>
<?php
        if($userBookmarkSetNum==0){

        echo "<tr><td><span
class='genMessage'>This list have no
members.</span><td></tr>";
        }
        else if($userBookmarkSetNum!=0){
                        while ($row =
mysql_fetch_array($userBookmarkSet)){

                echo "<tr><td><form
id='userBookmarkForm' action='edit-delete-
bookmarks.php' method='post'>

                <input type='hidden'
name='bookmarkId' value='$row[bookmark_id]'/>

                <input type='hidden'
name='referer' value='fromList'/>

                <input type='hidden'
name='listId' value='$row[userlist_id]'/>

                <input type='hidden'
name='userBookmarkId'
value='$row[userbookmark_id]'/>";

                echo "<div
class='container'><table
class='descriptionContainer'><tr><td
width='15px'>";


        if($row['userbookmark_privacy']=='pri
vate'){

                        echo "<img
src='images/private.png' width='15px'
height='15px' />";

                }


                echo"</td><td
class='date'>$row[userbookmark_date]</td>

                        <td><span
class='title'><a href='$row[bookmark_url]'
target='_blank'>
$row[userbookmark_title]</a></span></td></tr>
";
```

```php
            if($row[userbookmark_description]!=""
)
                                    echo
"<tr><td colspan='3'><br /><span
class='description'>$row[userbookmark_descrip
tion]</span></td></tr>";

                                    echo
"</table><br />";

                $eachBookmark =
mysql_query("SELECT ut.tag_id,
ut.userbookmarktag_id, ut.user_id,
ut.userbookmark_id,

                        t.tag_id, t.tag_name,
ub.userbookmark_id FROM userbookmark_tag ut,
tag t, user_bookmark ub

                        WHERE
ut.tag_id=t.tag_id AND ut.user_id='$userId'
AND
ut.userbookmark_id='$row[userbookmark_id]'
AND ub.userbookmark_id=ut.userbookmark_id");

                $eachBookmarkNum =
mysql_num_rows($eachBookmark);

                if($eachBookmarkNum>0){

                        $tagCount=0;

                        echo "<table
class='tags'>";

                        while
($eachBookmarkRow=
mysql_fetch_array($eachBookmark)){

            if($tagCount==0)

                                    echo
"<tr>";

            if($tagCount<=7){
                                    echo
"<td><a
href='search.php?term=$eachBookmarkRow[tag_na
me]&library=all'>$eachBookmarkRow[tag_name]</
a></td>";

            $tagCount++;
                                }

            if($tagCount==7){
                                    echo
"</tr>";

            $tagCount=0;
                                }
                        }
```
```php
                        if($tagCount<7 &&
$tagCount>0)
                                echo "</tr>";

                        echo "</table>";
                }

                echo "
                        <div
class='addthis_toolbox addthis_default_style
'>
                                <a
class='addthis_button_facebook at300b'
title='Facebook'

        addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
                                <a
class='addthis_button_twitter at300b'
title='Twitter'

        addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
                                <a
class='addthis_button_email at300b'
title='Email'

        addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
                                <a
class='addthis_button_compact'></a>
                                </div>
                                <script
type='text/javascript'
src='//s7.addthis.com/js/300/addthis_widget.j
s#pubid=xa-51058376333bc519'></script>";
```

141

```php
            $confirmMessage= "Are you
sure you want to delete
$row[userbookmark_title]:
$row[bookmark_url]?";

            $confirmMessage1= "Are you
sure you want to delete
$row[userbookmark_title]: $row[bookmark_url]
from this list?";

            echo "<br /><input
type='submit' value='Edit Bookmark'
name='submitValue'/>";

            echo "<input type='submit'
value='Delete Bookmark' name='submitValue'
onclick=";

            echo " \"return
confirm('$confirmMessage')\" />";

            echo "<input type='submit'
value='Delete Bookmark From List'
name='submitValue' onclick=";

            echo " \"return
confirm('$confirmMessage1')\" /><br/>";




            echo
"</div></form></td></tr>";


        }


        }
?>
                        </table>

        </div>
                                </td>
                        </tr>
```

content_view_lists.inc

```php
<?php require("config.php");
 require("clean.php");


        $userId = $_SESSION['user_id'];
        $userLists=mysql_query("SELECT
l.list_id, l.list_name,
l.list_description,DATE_FORMAT(l.list_date,'%
d %b %Y') list_date, l.list_time,
l.list_privacy,
        ul.userlist_id FROM user_list ul,
list l WHERE ul.list_id=l.list_id AND
ul.user_id='$userId' ORDER BY l.list_date
DESC,l.list_time DESC ");
        $num = mysql_num_rows($userLists);

?>
                        <td rowspan="2">
                                        <div
id="body">

        <H1>Lists</H1>


                        <table>
```

```php
<?php
        if($num==0){

        echo "<tr><td><div
class='genMessage'>You have no saved lists.
<br />";

        echo "Create new lists in this <a
href='create-lists.php'>page</a>.<div
class='genMessage'><td></tr>";
        }
        else if($num!=0){


        while ($row =
mysql_fetch_array($userLists)){

            echo "<form id='userListForm'
action='edit-delete-lists.php'
method='POST'>";

            echo "<input type='hidden'
name='userListId'
value='$row[userlist_id]'/>";

            echo "<input type='hidden'
name='listId' value='$row[list_id]'/>";

            echo "<tr><td><div
class='container'><table
class='descriptionContainer'><tr><td>";


        /*if($row[list_privacy]=='private'){

                    echo "<img
src='images/private.png' width='15px'
height='15px' />";

                }*/

            echo "</td><td
class='date'>$row[list_date]</td>

                    <td><span
class='title'><a href='view-list-
content.php?lid=$row[list_id]'>$row[list_name
]</a></span></td></tr>";

            echo "<tr><td colspan='3'><br
/><span
class='description'>$row[list_description]</s
pan></td>

                                </tr><br />
</table>";


            $confirmMessage= "Are you
sure you want to delete list
$row[list_name]?";

            echo "<input type='submit'
value='Edit' name='submitValue'/><input
type='submit' value='Delete'
name='submitValue' onclick=";

            echo " \"return
confirm('$confirmMessage')\"
/></div></td></tr>";

            echo "</form>";

        }
```

```
        }
?>

                       </table>

        </div>
                               </td>
                           </tr>
```

lists_menu.inc

```
        <td id="submenuData"><div
id="submenu">

        <H1>List Menu</H1>

        <table>

        <tr><td><a href='view-lists.php'>View
Lists</a></td></tr>

        <tr><td><a href='create-
lists.php'>Create New List</a></td></tr>

        </table>

        </div>
                               </td>
```

(fnc_notes)
content_create_notes.inc

```
<?php require("config.php");
 require("clean.php");

 $userId = $_SESSION['user_id'];

 ?>

                               <td
rowspan="2">
                                       <div
id="body">

        <H1>Create New Note</H1>

        <form id="createNoteForm"
action="create-notes-process.php"
method="POST">

                <table>

        <tr><th>*Title:</th><td><input
type="text" name="noteTitle"></td></tr>

        <tr><td></td><th><input
type="checkbox" name="privateCheck"
id="privateCheck" value="private"
checked/><img src='images/private.png'
width='15px' height='15px'
/>Private</th></tr>

        <tr><td></td><td><textarea rows="15"
cols="55"
name="noteBody"></textarea></td></tr>

        <tr><th>Tags:</th><td><input
type="text" name="noteTags"></td></tr>

        <tr><td></td><td><span
```

```
class="reminder">*Separate each tag with a
comma</span></td></tr>




<?php
        /*$getLists= mysql_query("SELECT
ul.userlist_id,ul.list_id, l.list_name FROM
list l, user_list ul WHERE
ul.list_id=l.list_id AND user_id='$userId'");
        $getListsNum =
mysql_num_rows($getLists);

        echo "<tr><th>Add to a
List:</th><td><select name='addToList'
onchange='checkList()'>" ;

        if($getListsNum!=0){
                echo "<option
value='0'>Select a list...</option>";
                while ($row =
mysql_fetch_array($getLists)){
                        echo "<option
value='$row[userlist_id]'>$row[list_name]</op
tion>";

                }
                echo "<option value='0'
id='list' disabled>------------</option>";
        }

        echo "<option value='createList'
id='list'>Create a New List</option>";  */

?>


                       <!--
</select></td></tr>-->

                       <tr><td colspan='2'>

                               <table
id="newList">

                               <tr><th>New
List Name:</td><td><input type="text"
name="listTitle"></td></tr>

        <tr><td></td><th><input
type="checkbox" name="listPrivacy"
value="private"><img src='images/private.png'
width='15px' height='15px' />Private
List</th></tr>

        <tr><th>Description:</th><td><textare
a rows="5" cols="50"
name="listDescription"></textarea></td></tr>

                               </table>

                       </td><tr>

                       <tr><td></td><td><br
/><input type="submit" value="Create Note"
id='createNote' name='createNote'
/></td></tr>

                </table>

        </form>
```

```
            </div>
                                </td>
                        </tr>
```

content_delete_notes.inc

```php
<?php
 require("config.php");
 require("clean.php");
 $noteId=$_POST['noteId'];
 $userId = $_SESSION['user_id'];

        $noteDetails = mysql_query("SELECT
note_title, note_text, note_privacy,
note_date FROM note WHERE note_id=$noteId")
or die("Query Failed!");

?>
                        <td rowspan="2">
                                        <div
id="body">

        <H1>Delete Note</H1>

                <table>
<?php
                                while ($row =
mysql_fetch_array($noteDetails)){


                echo
"<tr><td>Date:</td><td>$row[note_date]</td></
tr>";

                echo
"<tr><td>Title:</td><td><input type='text'
name='noteTitle' id='noteTitle' size='40'
value='$row[note_title]' /></td></tr>";

                echo
"<tr><td>Body:</td><td>$row[note_text]</td></
tr>";


                $eachNote =
mysql_query("SELECT nt.notetag_id,
nt.user_id,

                        t.tag_id, t.tag_name
FROM note_tag nt, tag t WHERE
nt.tag_id=t.tag_id AND nt.user_id='$userId'

                        AND
nt.note_id=$noteId");

                $eachNoteNum =
mysql_num_rows($eachNote);


                echo
"<tr><td>Tags:</td><td>";

                if($eachNoteNum>0){


                        while ($eachNoteRow=
mysql_fetch_array($eachNote)){
                        echo
"$eachNoteRow[tag_name],";
```

```
                        }

                }
        echo "</td></tr>";

        echo "<tr><td><div
class='genMessage'>Click <a href='view-
notes.php'>here</a> to go back to your list
of notes.</div></td></tr>";

                                }
                                $deleteNote =
mysql_query("DELETE FROM note WHERE
note_id='$noteId'") or die("Query Failed!");
                                $deleteTags =
mysql_query("DELETE FROM note_tag WHERE
note_id='$noteId'") or die("Query Failed!");

?>


                </table>

        </div>
                                </td>
                        </tr>
```

content_edit_notes.inc

```php
<?php
 require("config.php");
 require("clean.php");
 $noteId=$_POST['noteId'];
 $userId = $_SESSION['user_id'];


        $userNoteSet = mysql_query("SELECT
note_title, note_text, note_privacy,
DATE_FORMAT(note_date,'%d %b %Y') note_date
FROM note WHERE note_id=$noteId) or
die("Query Failed!");
        $num = mysql_num_rows($userNoteSet);
?>
                        <td rowspan="2">
                                <div
id="body">

        <H1>Edit Note</H1>


<?php
        if($num==0){
                echo "Nothing to edit.";

        }
        else if($num!=0){

        echo "<form id='userNoteForm'
action='edit-notes-process.php'
method='POST'>";

        while ($row =
mysql_fetch_array($userNoteSet)){

                echo "<input type='hidden'
name='noteId' value='$noteId'/>";

                echo
```

```php
"<table><tr><th>Date:</th><td>$row[note_date]
</td></tr>";

            echo
"<tr><th>Title:</th><td><input type='text'
name='noteTitle' id='noteTitle' size='40'
value='$row[note_title]' /></td></tr>";

            echo
"<tr><td></td><td><textarea name='noteText'
id='noteText' rows='15'
cols='55'>$row[note_text]
</textarea></td></tr>";


            $eachNote =
mysql_query("SELECT nt.notetag_id,
nt.user_id,

                    t.tag_id, t.tag_name
FROM note_tag nt, tag t WHERE
nt.tag_id=t.tag_id AND nt.user_id='$userId'

                    AND
nt.note_id=$noteId");

            $eachNoteNum =
mysql_num_rows($eachNote);


            echo
"<tr><th>Tags:</th><td><input type='text'
name='noteTags' id='noteTags' size='40'
value='";

            if($eachNoteNum>0){


                    while ($eachNoteRow=
mysql_fetch_array($eachNote)){
                            echo
"$eachNoteRow[tag_name],";


                    }

            }

            echo "' /></td></tr>";

    }
    echo "<tr><td><input type='submit'
value='Save Changes'
name='submitValue'/></td></tr></table>";

    echo "</form>";
    }
?>


    </div>
                                </td>
                        </tr>
```

content_view_notes.inc

```php
<?php require("config.php");
 require("clean.php");

        $userId = $_SESSION['user_id'];
        $userNoteSet = mysql_query("SELECT
note_id, note_title, note_text, note_privacy,
DATE_FORMAT(note_date,'%d %b %Y') note_date1
FROM note
        WHERE user_id='$userId' ORDER BY
note_date DESC");
        $num = mysql_num_rows($userNoteSet);
?>
                        <td rowspan="2">
                                        <div
id="body">

        <H1>Notes</H1>


                <table>
<?php
        if($num==0){

        echo "<tr><td><span
class='genMessage'>You have no saved notes.
Create a new note by going to this <a
href='create-
notes.php'>page</href>.</span><td></tr>";
        }
        else if($num!=0){

        while ($row =
mysql_fetch_array($userNoteSet)){

                echo "<form id='userNoteForm'
action='edit-delete-notes.php'
method='POST'>";

                echo "<input type='hidden'
name='noteId' value='$row[note_id]'/>";

                echo "<tr><td><div
class='container'><table
class='descriptionContainer'><tr><td>";


        if($row['note_privacy']=='private'){

                        echo "<img
src='images/private.png' width='15px'
height='15px' />";

                        }

                echo "</td><td
class='date'>$row[note_date1]</td><td>

                <span class='title'><a
href='#'> $row[note_title]
</a></span></td><br />";

                echo "<tr><td
colspan='3'><span
class='description'>$row[note_text]</span><br
/></td></tr></table>";


                $eachNote =
mysql_query("SELECT nt.notetag_id,
nt.user_id,

                        t.tag_id, t.tag_name
FROM note_tag nt, tag t WHERE
nt.tag_id=t.tag_id AND nt.user_id='$userId'
```

```
                              AND
nt.note_id=$row[note_id]");

                    $eachNoteNum =
mysql_num_rows($eachNote);


                    if($eachNoteNum>0){

                         $tagCount=0;

                         echo "<table
class='tags'>";

                         while ($eachNoteRow=
mysql_fetch_array($eachNote)){

        if($tagCount==0)

                                    echo
"<tr>";


        if($tagCount<=7){

                                    echo
"<td><a
href='search.php?term=$eachNoteRow[tag_name]&
library=all'>$eachNoteRow[tag_name]</a></td>"
;


        $tagCount++;

                              }


                                    else
if($tagCount==7){

                                    echo
"</tr>";


        $tagCount=0;

                              }
                         }

                         if($tagCount<7 &&
$tagCount>0)

                              echo "</tr>";


                         echo "</table>";

                    }


                    $confirmMessage= "Are you
sure you want to delete note
$row[note_title]?";

                         echo "<br/><input
type='submit' value='Edit'
name='submitValue'/><input type='submit'
value='Delete' name='submitValue' onclick=";
```

```
                    echo " \"return
confirm('$confirmMessage')\"
/></div></td></tr>";

                    echo "</form>";


          }
          }
?>

                         </table>


          </div>
                              </td>
                              </tr>
```

notes_menu.inc
```
<tr>
                              <td
id="submenuData"><div id="submenu">

          <H1>Note Menu</H1>

          <table>

          <tr><td><a href='view-notes.php'>View
Notes</a></td></tr>

          <tr><td><a href='create-
notes.php'>Create New Note</a></td></tr>

          <!--<tr><td><a href='ie-
notes.php'>Import/Export Notes</a></td></tr>-
->

          </table>

          </div>
                              </td>
```

(fnc_others)
content_register.inc
```
          <tr>
                              <td><div
id="submenu"><H1>Welcome!</H1></div></td>
                              <td
rowspan="2"><div id='body'><h1>Register</h1>

               <form name="userAccount"
id="userAccount" method="post"
action="register-process.php">
          <table>
                         <tr><td><span
class='reminder'>* Required
Fields</span></td></tr>

          <tr><td colspan="2"><h3>Account
Details</h3></td></tr>
          <tr><th>*Username:</th><td><input
type="text" name="username" size="40"
class="inputBox"/></td></tr>
          <tr><th>*Password:</th><td><input
type="password" name="password" size="40"
class="inputBox"/></td></tr>
          <tr><th>*Retype Password:</th>

               <td>
                    <input type="password"
name="retype" size="40" class="inputBox"/>
```

```
                </td>
            </tr>
            <tr>
                <th>


                                E-mail
Address:
                </th>

                <td>
                        <input type="text"
name="email" size="40" class="inputBox"/>
                </td>
            </tr>
            <tr>
                <td colspan="2"><h3>Personal
Information</h3></td>
            </tr>
            <tr>
                <th>


                                Title:
                </th>

                <td>
                        <input type="text"
name="title" size="5" class="inputBox"/>
                </td>
            </tr>
            <tr>
                <th>


                                *First Name:
                </th>

                <td>
                        <input type="text"
name="firstname" size="40" class="inputBox"/>
                </td>
            </tr>
            <tr>
                <th>


                                *Last Name:
                </th>

                <td>
                        <input type="text"
name="lastname" size="40" class="inputBox"/>
                </td>
            </tr>

            <tr>
                <th>


                                Gender:
                </th>

                <td width="450px">
                        <select name="gender"
class="inputBox" />
                <option value="M">Male</option>
                <option value="F">Female</option>
                </select>
                </td>
            </tr>

                <tr>
                <td colspan="2"><h3>About
Me</h3></td>
            </tr>
            <tr>
                <td colspan="2">
                        <textarea rows="5"
cols="50" name="aboutme"></textarea>
                </td>
```

```
                </tr>

                <tr>
                        <td colspan="2" style="text-
align: center;"><input type="submit"
value="Submit"></td>
                </tr>
                        </table>

                </form>
</div>
</td>
                        </tr>

                        <tr id="tagRow">
                                <td><div
id="tags"><H1>Download
Extension:</H1></div></td>
                        </tr>
```

content_view_serach_results_all.inc
```php
<?php
        session_start();
        require("config.php");
        require("clean.php");

        $userId = $_SESSION['user_id'];

        $term= strtolower($_GET['term']);
        $library = $_GET['library'];
        $searchFor = $_GET['searchFor'];

        //--------------------------------
BOOKMARKS ---------------------------------
        // bookmarks with term as title

        //select all user bookmark

        //echo "SELECT ub.userbookmark_id,
ub.user_id, ub.userbookmark_title,
b.bookmark_url, b.bookmark_id,
b.bookmark_count
        //      FROM bookmark b,
user_bookmark ub WHERE
ub.bookmark_id=b.bookmark_id AND
ub.user_id=$userId";

        $allBookmark = mysql_query("SELECT
ub.userbookmark_id, ub.user_id,
ub.userbookmark_title, b.bookmark_url,
b.bookmark_id, b.bookmark_count
                FROM bookmark b,
user_bookmark ub WHERE
ub.bookmark_id=b.bookmark_id AND
ub.user_id=$userId");

        $allBookmark1 = mysql_query("SELECT
ub.userbookmark_id, ub.user_id,
ub.userbookmark_title, b.bookmark_url,
b.bookmark_id, b.bookmark_count
                FROM bookmark b,
user_bookmark ub WHERE
ub.bookmark_id=b.bookmark_id AND
ub.user_id=$userId");


        $allBookmarkNum =
mysql_num_rows($allBookmark);


        $bookmarkWithTitle =
mysql_query("SELECT ub.userbookmark_id,
ub.user_id, ub.userbookmark_title,
b.bookmark_url, b.bookmark_id,
b.bookmark_count
```

```
            FROM bookmark b,                          ub.userbookmark_title like lower('%$term%')
user_bookmark ub WHERE                               AND ub.userbookmark_id NOT IN (";
ub.bookmark_id=b.bookmark_id AND
ub.userbookmark_privacy='public' AND                         $ctr=0;
ub.userbookmark_title like lower('%$term%')                  while($groupRow =
");                                                   mysql_fetch_array($allBookmark1)){
        $bookmarkWithTitleNum =
mysql_num_rows($bookmarkWithTitle);                       if($ctr<$allBookmarkNum && $ctr!=0)

        // user bookmarks with term as title               $query=$query.',';

        if($allBookmarkNum==0){                                 $query = $query.
                $uBookmarkWithTitleNum=0;            "'$groupRow[userbookmark_id]'";
        }                                                           $ctr++;
                                                            }
        if($allBookmarkNum>0){                           $query = $query.")";
                $query= "SELECT DISTINCT
ub.userbookmark_id, ub.user_id,                          //echo $query;
ub.userbookmark_title, b.bookmark_url,                   $gBookmarkWithTitle =
b.bookmark_id, b.bookmark_count                      mysql_query($query);
                FROM bookmark b,                         $gBookmarkWithTitleNum =
user_bookmark ub WHERE                                mysql_num_rows($gBookmarkWithTitle);
ub.bookmark_id=b.bookmark_id AND                         }
ub.userbookmark_privacy='public' AND
ub.userbookmark_title like lower('%$term%')
AND ub.userbookmark_id IN(";                             // bookmarks with term as tag
                                                         //get tag_id first
                $ctr=0;                                  $tagId= mysql_query("SELECT tag_id
                while($groupRow =                    from tag where tag_name like lower('$term')")
mysql_fetch_array($allBookmark)){                    or die ("Query failed!");
                                                         $tagIdNum = mysql_num_rows($tagId);
        if($ctr<$allBookmarkNum && $ctr!=0)
                                                         //if term is a tag, find bookmarks
        $query=$query.',';                           with that tag
                                                         $bookmarkWithTagNum;
                        $query = $query.                 if($tagIdNum!=0){
"'$groupRow[userbookmark_id]'";                          $tagIdRow =
                        $ctr++;                      mysql_fetch_array($tagId);
                }                                        // get bookmark_id in
                $query = $query.")";                 userbookmark_tag
                                                             //echo "SELECT
        //echo $query;                               ut.bookmark_id, ub.userbookmark_id,
        $uBookmarkWithTitle =                        ub.userbookmark_title, b.bookmark_url,
mysql_query($query);                                 b.bookmark_count
        $uBookmarkWithTitleNum =                          //FROM bookmark b,
mysql_num_rows($uBookmarkWithTitle);                 user_bookmark ub, userbookmark_tag ut WHERE
        }                                            ut.tag_id='$tagIdRow[tag_id]' AND
                                                     ut.bookmark_id= ub.bookmark_id AND
        // group bookmarks with term as title        ub.bookmark_id=b.bookmark_id AND
                                                     ub.user_id=b.bookmark_firstuser";
        if($allBookmarkNum==0){
                $bookmarkWithTitle =                         $bookmarkWithTag =
mysql_query("SELECT ub.userbookmark_id,              mysql_query("SELECT
ub.user_id, ub.userbookmark_title,                   ut.bookmark_id, ub.user_id,DATE_FORMAT(ub.user
b.bookmark_url, b.bookmark_id,                       bookmark_date,'%d %b %Y') userbookmark_date,
b.bookmark_count                                     ub.userbookmark_id, ub.userbookmark_title,
                FROM bookmark b,                     b.bookmark_url, b.bookmark_count
user_bookmark ub WHERE                                        FROM bookmark b,
ub.bookmark_id=b.bookmark_id AND                     user_bookmark ub, userbookmark_tag ut WHERE
ub.userbookmark_privacy='public' AND                 ut.tag_id='$tagIdRow[tag_id]' AND
ub.userbookmark_title like                           ub.userbookmark_privacy='public' AND
lower('%$term%')");                                  ut.bookmark_id= ub.bookmark_id AND
                $bookmarkWithTitleNum =              ub.bookmark_id=b.bookmark_id") or die ("Query
mysql_num_rows($bookmarkWithTitle);                  Failed");

        }                                                    $bookmarkWithTagNum =
                                                     mysql_num_rows($bookmarkWithTag);
        if($allBookmarkNum>0){                           }
                $query= "SELECT DISTINCT
ub.userbookmark_id, ub.user_id,                          //total of bookmarkresults
ub.userbookmark_title, b.bookmark_url,                   $bookmarkResultsNum =
b.bookmark_id, b.bookmark_count                      $bookmarkWithTitleNum + $bookmarkWithTagNum;
                FROM bookmark b,
user_bookmark ub WHERE
ub.bookmark_id=b.bookmark_id AND                         //---------------------------------
ub.userbookmark_privacy='public' AND                 USERS ----------------------------------
```

```php
        //users with username related to term


        $usersWithUsername =
mysql_query("SELECT user_id, user_firstname,
user_lastname, user_username FROM
        user u WHERE (user_id <> $userId) AND
(user_username like lower('%$term%') OR
user_firstname like lower('%$term%') OR
user_lastname like lower('%$term%') )") or
die ("Query failed!");
        $usersWithUsernameNum =
mysql_num_rows($usersWithUsername);


        //users with bookmarks with term as
title/tag
        /*$usersWithBookmarkTitle=
mysql_query("SELECT u.user_id,
u.user_firstname, u.user_lastname,
u.user_username, ub.userbookmark_id,
ub.user_id, ub.userbookmark_title,
b.bookmark_url, b.bookmark_id,
b.bookmark_count
                FROM bookmark b,
user_bookmark ub, user u WHERE u.user_id =
ub.user_id AND
ub.user_id=b.bookmark_firstuser AND
ub.bookmark_id=b.bookmark_id AND
ub.userbookmark_title like '%$term%'");
        $usersWithBookmarkTitleNum =
mysql_num_rows($bookmarkWithTitle); */

        //--------------------------------
GROUPS --------------------------------
        //groups with bookmarks with term as
title/tag

        // select user group first
        $userGroups = mysql_query("SELECT
group_id from user_group WHERE
user_id='$userId'");
        $userGroups1=mysql_query("SELECT
group_id from user_group WHERE
user_id='$userId'");
        $userGroupNum =
mysql_num_rows($userGroups);

        //get all groups with title similar
to term
        $groupsWithTitle= mysql_query("SELECT
g.group_id, g.group_name,
g.group_description,g.group_category,
g.group_join, g.group_privacy,
g.group_member_num
        FROM groups g where g.group_name like
lower('%$term%')") or die ("Query failed!");
        $groupsWithTitleNum =
mysql_num_rows($groupsWithTitle);

        //get only community groups
        if($userGroupNum==0){
                $cGroupsWithTitle=
mysql_query("SELECT g.group_id, g.group_name,
g.group_description, g.group_category,
g.group_join, g.group_privacy,
g.group_member_num
                FROM groups g where
g.group_name like lower('%$term%')") or die
("Query failed!");
                $cGroupsWithTitleNum =
mysql_num_rows($cGroupsWithTitle);
        }

        if($userGroupNum>0){

        $query="SELECT g.group_id,
g.group_name,
g.group_description,g.group_category,
g.group_join, g.group_privacy,
g.group_member_num
                FROM groups g where
g.group_name like lower('%$term%') AND
g.group_id NOT IN (";
                $ctr=0;
                while($groupRow =
mysql_fetch_array($userGroups)){
                        if($ctr<$userGroupNum
&& $ctr!=0)

        $query=$query.',';

                        $query = $query.
"'$groupRow[group_id]'";
                        $ctr++;
                }
                $query = $query.")";
                //echo "yey". $query;
                $cGroupsWithTitle=
mysql_query($query) or die ("Query failed!");
                $cGroupsWithTitleNum =
mysql_num_rows($cGroupsWithTitle);
        }


        // get only user groups
        if($userGroupNum){
                $uGroupsWithTitleNum=0;
        }


        if($userGroupNum>0){
                $query="SELECT g.group_id,
g.group_name,
g.group_description,g.group_category,
g.group_join, g.group_privacy,
g.group_member_num
                FROM groups g where
g.group_name like lower('%$term%') AND
g.group_id IN (";
                $ctr=0;

                while($groupRow =
mysql_fetch_array($userGroups1)){
                        if($ctr<$userGroupNum
&& $ctr!=0)

        $query=$query.',';

                        $query = $query.
"'$groupRow[group_id]'";
                        $ctr++;
                }
                $query = $query.")";
                //echo "yey". $query;
                $uGroupsWithTitle=
mysql_query($query) or die ("Query failed!");
                $uGroupsWithTitleNum =
mysql_num_rows($uGroupsWithTitle);
        }

?>
                                <td rowspan="2">
                                        <div
id="body">

                <table>
<?php
        //bookmarks results print
```

149

```php
        if($searchFor==""||
$searchFor=="all"||!(strpos($searchFor,
"bookmark")===false) ){
        echo
"<tr><td><h1>Bookmarks</h1></td></tr>";

        if($library=="all"||$library==""){

        $bookmarkWithTitle=$bookmarkWithTitle
;

        $bookmarkWithTitleNum=$bookmarkWithTi
tleNum;
            }

            else if($library=="user"){

        $bookmarkWithTitle=$uBookmarkWithTitl
e;

        $bookmarkWithTitleNum=$uBookmarkWithT
itle;
            }

            else
if($library=="community"){

        $bookmarkWithTitle=$uBookmarkWithTitl
e;

        $bookmarkWithTitleNum=$uBookmarkWithT
itle;
            }

            if($bookmarkResultsNum ==
0){ // no bookmark results
                echo "<tr><td><div
class='genMessage'> There are no public
bookmarks matching your search.</div>
<td></tr>";
            }
            else if($bookmarkResultsNum
>0){ // with bookmark results

        if($bookmarkWithTitleNum >0){


            while ($row =
mysql_fetch_array($bookmarkWithTitle)){

                    echo "<tr><td><form
id='saveBookmarkForm' name='saveBookmarkForm'
action='save-recommended-bookmarks.php'
method='post'>";

                    echo "<input
type='hidden' name='bookmarkId'
value='$row[bookmark_id]'/>";

                    echo "<input
type='hidden' name='userBookmarkId'
value='$row[userbookmark_id]'/>";


                    echo "<div
class='container'><table
class='descriptionContainer'><tr><td
width='15px'></td>";

                    echo "<td
class='date'>$row[userbookmark_date]</td>";

                    echo "<td><span
class='title'><a href='$row[bookmark_url]'
target='_blank'> $row[userbookmark_title]
</a></span></td></tr>";


                    echo
"<tr><td>$row[userbookmark_description]</td><
/tr></table><br />";



                    $eachBookmark =
mysql_query("SELECT ut.tag_id,
ut.userbookmarktag_id, ut.user_id,
ut.userbookmark_id,

                    t.tag_id,
t.tag_name, ub.userbookmark_id FROM
userbookmark_tag ut, tag t, user_bookmark ub

                    WHERE
ut.tag_id=t.tag_id AND ut.user_id='1' AND
ut.userbookmark_id='$row[userbookmark_id]'
AND ub.userbookmark_id=ut.userbookmark_id");

                    $eachBookmarkNum =
mysql_num_rows($eachBookmark);


        if($eachBookmarkNum>0){

                        $tagCount=0;

                        echo "<table
class='tags'>";

                        while
($eachBookmarkRow=
mysql_fetch_array($eachBookmark)){

        if($tagCount==0)

        echo "<tr>";

        if($tagCount<=7){

        echo "<td><a
href='search.php?term=$eachBookmarkRow[tag_na
me]&library=all'>$eachBookmarkRow[tag_name]</
a></td>";

        $tagCount++;
                                }

        if($tagCount==7){

        echo "</tr>";

        $tagCount=0;

                                }
                            }
```

150

```php
        if($tagCount<7 && $tagCount>0)

                                        echo
"</tr>";



                                echo
"</table>";



                    }
                                echo "

                                <div
class='addthis_toolbox addthis_default_style
'>

                                <a
class='addthis_button_facebook at300b'
title='Facebook'

        addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>

                                <a
class='addthis_button_twitter at300b'
title='Twitter'

        addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>

                                <a
class='addthis_button_email at300b'
title='Email'

        addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>

                                <a
class='addthis_button_compact'></a>

                                </div>

                                <script
type='text/javascript'
src='//s7.addthis.com/js/300/addthis_widget.j
s#pubid=xa-51058376333bc519'></script>";


        if($userId!=$row[user_id])

                                echo "<input
type='submit' value='Add to own Library'
name='submitValue'/>";

                                echo
"</form></td></tr>";


                    }
                    }

        if($bookmarkWithTagNum >0){

        while ($row =
mysql_fetch_array($bookmarkWithTag)){

                                echo "<tr><td><form
id='saveBookmarkForm' name='saveBookmarkForm'
action='save-recommended-bookmarks.php'
method='post'>";

                                echo "<input
type='hidden' name='bookmarkId'
value='$row[bookmark_id]'/>";

                                echo "<input
type='hidden' name='userBookmarkId'
value='$row[userbookmark_id]'/>";


                                echo "<div
class='container'><table
class='descriptionContainer'><tr><td
width='15px'></tds>";

                                echo "<td
class='date'>$row[userbookmark_date]</td>";

                                echo "<td><span
class='title'><a href='$row[bookmark_url]'
target='_blank'> $row[userbookmark_title]
</a></span></td></tr>";

                                echo
"<tr><td>$row[userbookmark_description]</td><
/tr></table><br />";



                                $eachBookmark =
mysql_query("SELECT ut.tag_id,
ut.userbookmarktag_id, ut.user_id,
ut.userbookmark_id,

                                        t.tag_id,
t.tag_name, ub.userbookmark_id FROM
userbookmark_tag ut, tag t, user_bookmark ub

                                        WHERE
ut.tag_id=t.tag_id AND ut.user_id='1' AND
ut.userbookmark_id='$row[userbookmark_id]'
AND ub.userbookmark_id=ut.userbookmark_id");

                                $eachBookmarkNum =
mysql_num_rows($eachBookmark);
```

151

```php
        if($eachBookmarkNum>0){

                            $tagCount=0;

                            echo "<table
class='tags'>";

                            while
($eachBookmarkRow=
mysql_fetch_array($eachBookmark)){

        if($tagCount==0)

        echo "<tr>";

        if($tagCount<=7){

        echo "<td><a
href='search.php?term=$eachBookmarkRow[tag_na
me]&library=all'>$eachBookmarkRow[tag_name]</
a></td>";

        $tagCount++;

                                }

        if($tagCount==7){

        echo "</tr>";

        $tagCount=0;

                            }
                        }

        if($tagCount<7 && $tagCount>0)

                            echo
"</tr>";

                            echo
"</table>";

                    }

                echo "

                            <div
class='addthis_toolbox addthis_default_style
'>

                            <a
class='addthis_button_facebook at300b'
title='Facebook'

        addthis:url='$row[bookmark_url]'
```

```php
addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
                                <a
class='addthis_button_twitter at300b'
title='Twitter'

        addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
                                <a
class='addthis_button_email at300b'
title='Email'

        addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
                                <a
class='addthis_button_compact'></a>
                            </div>
                            <script
type='text/javascript'
src='//s7.addthis.com/js/300/addthis_widget.j
s#pubid=xa-51058376333bc519'></script>";


            if($userId!=$row[user_id])

                        echo "<input
type='submit' value='Add to own Library'
name='submitValue'/>";
                    echo
"</div></form></td></tr>";


                }
                    }
                } // end of bookmark results

            }//if user limited the search

            if($searchFor==""||
$searchFor=="all"||!(strpos($searchFor,
"user")===false) ){
        //users results print
        echo
"<tr><td><h1>Users</h1></td></tr>";
                if($usersWithUsernameNum ==
0){
```

152

```php
            echo "<tr><td> <div
class='genMessage'>There are no users
matching your search. </div><td></tr>";
            }

            if($usersWithUsernameNum >
0){

                    while($row =
mysql_fetch_array($usersWithUsername)){
                            echo
"<tr><td><div class='container'><table
class='descriptionContainer'>

                    <tr><td>";


            echo "</td><td
class='date'></td>

                    <td><span
class='title'><a
href='profile.php?uid=$row[user_id]'> >
$row[user_firstname] $row[user_lastname]
($row[user_username])</a></span></td></tr>";

                    echo
"</table></div></td></tr>";
                            }


                    }
        } // end of limited search user

        if($searchFor==""||
$searchFor=="all"||!(strpos($searchFor,
"group")===false) ){
        //group results print

        echo
"<tr><td><h1>Groups</h1></td></tr>";


        if($library=="all"||$library==""){

        $groupsWithTitle=$groupsWithTitle;

        $groupsWithTitleNum=$groupsWithTitleN
um;
                }

                else if($library=="user"){


        $groupsWithTitle=$uGroupsWithTitle;

        $groupsWithTitleNum=$uGroupsWithTitle
Num;
                }

                else
if($library=="community"){

        $groupsWithTitle=$cGroupsWithTitle;

        $groupsWithTitleNum=$cGroupsWithTitle
Num;
                }

                if($groupsWithTitleNum == 0){
                echo "<tr><td><div
class='genMessage'> There are no groups
matching your search. </div><td></tr>";
```

```php
        }
        if($groupsWithTitleNum > 0){
                while ($row =
mysql_fetch_array($groupsWithTitle)){


        echo "<tr><td><div
class='container'><table
class='descriptionContainer'><tr><td>";


        if($row[group_privacy]=='Private'){

                    echo "<img
src='images/private.png' width='15px'
height='15px' />";

                    }


        echo "</td><td
class='date'>$row[group_date]</td>

                    <td><span
class='title'><a href='view-group-
page.php?gid=$row[group_id]' >
$row[group_name] </a></span></td></tr>";

        echo "<tr><td
colspan='3'><span class='description'><br
/>$row[group_description]</span></td></tr></t
able><br />";

        echo "<span
class='category'>$row[group_category]</span><
br /> ";

                    if($row[group_join]=='Apply')

                    echo "<span
class='category'>Apply to join - moderator
approval required</span><br />";

                    else
if($row[group_join]=='Open')

                    echo "<span
class='category'>Open - anyone can join <br
/><span>";


                    echo "<span
class='members'>$row[group_member_num]
member(s)</span><br /><br />";


        $eachGroupTag =
mysql_query("SELECT gt.tag_id,
gt.groupTag_id,

                    t.tag_id, t.tag_name
FROM group_tag gt, tag t

                    WHERE
gt.tag_id=t.tag_id AND
gt.group_id='$row[group_id]'");

        $eachGroupNum =
mysql_num_rows($eachGroupTag);
```

```php
                if($eachGroupNum>0){

                    $tagCount=0;

                    echo "<table
class='tags'>";

                    while ($eachGroupRow=
mysql_fetch_array($eachGroupTag)){

        if($tagCount==0)

                        echo
"<tr>";

        if($tagCount<=7){

                        echo
"<td><a
href='search.php?term=$eachGroupRow[tag_name]
&library=all'>$eachGroupRow[tag_name]</a></td
>";

        $tagCount++;

                    }

        if($tagCount==7){

                        echo
"</tr>";

        $tagCount=0;

                    }
                    }
                    if($tagCount<7 &&
$tagCount>0)

                        echo "</tr>";

                    echo "</table>";
                }

                echo "</div></td></tr>";

                /*echo "<form
id='joinGroupForm' action='join-group.php'
method='POST'>";

                    echo "<td><a href='view-
group-page.php?gid=$row[group_id]' >
$row[group_name] </a></td></tr>";
                    echo
"<tr><td>$row[group_category]</td></tr>
```

```php
<tr><td>$row[group_privacy]</td><td>$row[grou
p_join]</td>

<td>$row[group_member_num] members</td>
                </tr>";
                echo
"<tr><td>$row[group_description]</td></tr>";
                echo "<input type='hidden'
name='groupId' value='$row[group_id]'/>";




            $eachGroupTag =
mysql_query("SELECT gt.tag_id,
gt.groupTag_id,

                t.tag_id, t.tag_name
FROM group_tag gt, tag t

                WHERE
gt.tag_id=t.tag_id AND
gt.group_id='$row[group_id]'");

                $eachGroupNum =
mysql_num_rows($eachGroupTag);

                if($eachGroupNum>0){

                    echo "<tr>";

                    while ($eachGroupRow=
mysql_fetch_array($eachGroupTag)){

                        echo "<td><a
href='search.php?term=$eachGroupRow[tag_name]
&library=all'>$eachGroupRow[tag_name]</a></td
>";

                    }

                    echo "</tr>";

                }
                //echo "<tr><td><input
type='submit' value='Join'
name='submitValue'/></td></tr>";

                echo "</form>";*/

                    }

                }
        }//end of group limited search

?>


                </table>


            </div>
                        </td>
                    </tr>
```

154

search_options.inc

```php
<?php
        $library = $_GET['library'];
        $searchFor = $_GET['searchFor'];
        $userId= $_SESSION['user_id'];
?>
<tr>
                                <td><div
id="submenu1">
                                        <!--
<H1>Search</H1>-->
                                        <form
id="searchForm" name="searchForm"
action="redirect.php">

                <table id='searchContainer'>

                <tr><td><div><input
type="text" name="term" /> <input
type='image' value='Search'
src='./images/searchIcon.png'></td></tr>


                <tr rowspan="2"><td>


                <table
class='searchOptions'><tr><th>Search
for:</th></tr>

                <tr><td>

                <?php
                                echo"<input
value='user' name='searchFor[]'
type='checkbox' ";

        if($searchFor=="all"
|| !(strpos($searchFor, "user")===false) ||
$searchFor=="" || $searchFor=="user")

                                echo
"checked";

                                echo
"/>Users";


                                echo"<input
value='bookmark' name='searchFor[]'
type='checkbox' ";

        if($searchFor=="all"
|| !(strpos($searchFor, "bookmark")===false)
|| $searchFor=="" || $searchFor=="bookmark")
                                echo
"checked";

                                echo
"/>Bookmarks";


                                echo"<input
value='group'  name='searchFor[]'
type='checkbox' ";
```

```php
        if($searchFor=="all"
|| !(strpos($searchFor, "group")===false) ||
$searchFor=="" || $searchFor=="group")

                                echo
"checked";

                                echo
"/>Groups";


                        ?>

                </td></tr></table>

                </td></tr>

                <tr rowspan="2"><td>
                        <table
class='searchOptions'><tr><th>Search
in:</th></tr>

                        <tr><td>

                                <?php

        if($userId!=""){

                echo"<input value='user'
name='library[]' type='checkbox' ";

                if($library=="all" ||
$library=="" || $library=="user")

                echo "checked";

                echo "/>User Account";

        }

        echo"<input value='community'
name='library[]' type='checkbox' ";

        if($library=="all" || $library=="" ||
$library=="community")

        echo "checked";

        echo "/>Community";

                                ?>


        </td></tr></table>

                </td></tr>

                </table>


        </form>
```

155

Left column:

```
            </div>
                                    </td>
```

(fnc_profile)
content_change_password.inc

```php
<?php
        require_once("config.php");
        $status= $_GET['status'];
        $userId= $_SESSION['user_id'];


?>
        <td rowspan="2"><div
id="body"><h1>Change Passwords</h1>

<?php
        if($status=="success"){
                echo "<span
class='genMessage'> Password successfully
changed! </span><br />";
        }

        if($status=="failed"){
                echo "<span
class='genMessage'> Error in changing
password.
                Please  make sure that the
old password you entered is correct and new
passwords match. </span><br />";
        }

        echo "<span class='genMessage'> Click
<a href='profile.php?uid=$userId'>here</a> to
go back to your profile. </span><br />";

?>

        </div>

                </td>
                        </tr>
```

content_edit_user_info.inc

```php
<?php
        require_once("config.php");
        $userId = $_GET['uid'];



        $userDetails = mysql_query("SELECT
user_firstname, user_lastname, user_username,
user_description,
        user_gender, user_title, user_email
FROM user WHERE user_id=$userId") or die
("Query Failed!");
        $userDetailsNum =
mysql_num_rows($userDetails);

?>
        <td rowspan="2"><div
id="body"><h1>Basic Information</h1>

<?php
        if($userDetailsNum>0){
        while ($row =
mysql_fetch_array($userDetails)){
                echo "<form id='editUserForm'
action='edit-user-info-
process.php?uid=$userId' method='post'>";
                echo
"<table><tr><th>Title:</th><td><input
type='text' name='userTitle' id='userTitle'
```

Right column:

```php
size='40' value='$row[user_title]'
/></td></tr>";
                echo "<tr><th>First
Name:</th><td><input type='text'
name='userFistName' id='userFistName'
size='40' value='$row[user_firstname]'
/></td></tr>";
                echo "<tr><th>Last
Name:</th><td><input type='text'
name='userLastName' id='userLastName'
size='40' value='$row[user_lastname]'
/></td></tr>";
                echo
"<tr><th>Username:</th><td>$row[user_username
]</td></tr>";?>

        <tr><th>Gender:</th><td><input
type="radio" name="userGender" value="M"
<?php if($row[user_gender]== "M") echo
"checked='checked'"; ?> />Male</td></tr>
        <tr><td></td><td><input
type="radio" name="userGender" value="F"
<?php if($row[user_gender]== "F") echo
"checked='checked'"; ?> />Female</td></tr>
                <?php
                echo
"<tr><th>Email:</th><td><input type='text'
name='userEmail' id='userEmail' size='40'
value='$row[user_email]' /></td></tr>";
                echo "<tr><th>About
Me:</th><td><textarea name='userDesc'
id='userDesc' rows='15' cols='55'>
$row[user_description]
</textarea></td></tr>";
                echo "<tr><td><input
type='submit' value='Save
Changes'></td></tr>";
                echo "</form></table>";
        }
}

?>

        </div>

                </td>
                        </tr>
```

content_feed.inc

```php
<?php
        require("config.php");
        require("clean.php");

        $userId = $_SESSION['user_id'];

        $userFollowingSet =
mysql_query("SELECT * from following where
user_id='$userId'");
        $userFollowingSetNum =
mysql_num_rows($userFollowingSet);

?>
                <td rowspan="2"><div
id="body"><H1>Feed</H1><table>
<?php
                if($userFollowingSetNum==0){

        echo "<tr><td><div
class='genMessage'>You do not follow any
user.</div><td></tr>";
                }
                else
if($userFollowingSetNum>0){
```

```
                    while ($idRow =
mysql_fetch_array($userFollowingSet)){

        $followingFeedSet =
mysql_query("SELECT ub.userbookmark_id,
DATE_FORMAT(ub.userbookmark_date,'%d %b %Y')
userbookmark_date, ub.userbookmark_time,

        ub.userbookmark_privacy,
ub.userbookmark_description,
ub.userbookmark_title, b.bookmark_url,
b.bookmark_id,
u.user_firstname,u.user_lastname
                            FROM bookmark
b, user_bookmark ub, user u WHERE
ub.user_id='$idRow[ufollowing_id]'
                        AND
ub.userbookmark_privacy='public' AND
ub.bookmark_id=b.bookmark_id AND
u.user_id=ub.user_id");

        $followingFeedSetNum =
mysql_num_rows($followingFeedSet);

        if($followingFeedSetNum==0){

        echo "<tr><td>The users you follow
doesn't have saved bookmarks set to
public.<br />

            <td></tr>";
                                    }
                                    else
if($followingFeedSetNum>0){

        while ($row =
mysql_fetch_array($followingFeedSet)){

                    echo "<tr><td><form
id='userBookmarkForm' action='save-
recommended-bookmarks.php' method='post'>

                    <input type='hidden'
name='referer' value='fromFeed'/>

                    <input type='hidden'
name='bookmarkId' value='$row[bookmark_id]'/>

                    <input type='hidden'
name='userBookmarkId'
value='$row[userbookmark_id]'/>";

                    echo "<div
class='container'><table
class='descriptionContainer'><tr><td
width='15px'>";

        if($row['userbookmark_privacy']=='pri
vate'){

                        echo "<img
src='images/private.png' width='15px'
height='15px' />";

                    }

                    echo"</td><td
class='date'>$row[userbookmark_date]</td>

                        <td><span
```

```
class='title'><a href='$row[bookmark_url]'
target='_blank'>
$row[userbookmark_title]</a></span></td></tr>
";

        if($row[userbookmark_description]!=""
)

        echo "<tr><td colspan='3'><br /><span
class='description'>$row[userbookmark_descrip
tion]</span></td></tr>";

        echo "<tr><td colspan='3'><br /><span
class='sharedBy'>Shared by:
$row[user_firstname]</span></td></tr>";

        echo "</table><br />";

                $eachBookmark =
mysql_query("SELECT ut.tag_id,
ut.userbookmarktag_id, ut.user_id,
ut.userbookmark_id,

                            t.tag_id,
t.tag_name, ub.userbookmark_id FROM
userbookmark_tag ut, tag t, user_bookmark ub

                            WHERE
ut.tag_id=t.tag_id AND ut.user_id='$userId'
AND
ut.userbookmark_id='$row[userbookmark_id]'
AND ub.userbookmark_id=ut.userbookmark_id");

                $eachBookmarkNum =
mysql_num_rows($eachBookmark);

        if($eachBookmarkNum>0){

                    $tagCount=0;

                    echo "<table
class='tags'>";

                    while
($eachBookmarkRow=
mysql_fetch_array($eachBookmark)){

        if($tagCount==0)

        echo "<tr>";

        if($tagCount<=7){

        echo "<td><a
href='search.php?term=$eachBookmarkRow[tag_na
me]&library=all'>$eachBookmarkRow[tag_name]</
a></td>";

        $tagCount++;

                        }

        if($tagCount==7){
```

157

```php
        echo "</tr>";

        $tagCount=0;

                                }
                        }


        if($tagCount<7 && $tagCount>0)

                                                echo
"</tr>";


                                echo
"</table>";
                        }


                        echo "

                                <div
class='addthis_toolbox addthis_default_style
'>

                                        <a
class='addthis_button_facebook at300b'
title='Facebook'

        addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
                                        <a
class='addthis_button_twitter at300b'
title='Twitter'

        addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
                                        <a
class='addthis_button_email at300b'
title='Email'

        addthis:url='$row[bookmark_url]'

addthis:title='$row[userbookmark_title]'

addthis:description='$row[userbookmark_descri
ption]'></a>
```

```php
                                        <a
class='addthis_button_compact'></a>

                                        </div>

                                        <script
type='text/javascript'
src='//s7.addthis.com/js/300/addthis_widget.j
s#pubid=xa-51058376333bc519'></script>";



                                echo "<br /><input
type='submit' value='Save Bookmark in Own
Library' name='submitValue'/>";



                                echo
"</div></form></td></tr>";


                        }//

                }
                                                } //
while for userfollowingset end
                } // else if end
?>
                </table>
                </div>

                </td>
```

content_follow_user.inc

```php
<?php
        require_once("config.php");
        $userId = $_GET['uid'];
        $cUserId = $_SESSION['user_id'];


        $userDetails = mysql_query("SELECT
user_firstname, user_lastname, user_username,
user_description,
        user_gender, user_title, user_email
FROM user WHERE user_id=$userId") or die
("Query Failed!");
        $userDetailsNum =
mysql_num_rows($userDetails);

?>
        <td rowspan="2"><div
id="body"><h1>Follow User</h1>

<?php
        if($userDetailsNum>0){
                while ($row =
mysql_fetch_array($userDetails)){
                                echo "<span
class='genMessage1'>You've followed:</span>";
                                echo "<div
class='container'><table
class='descriptionContainer'>

                                <tr><td>";



                                echo "</td><td
class='date'></td>
```

158

<td><a
href='profile.php?uid=$row[user_id]'> >
$row[user_firstname] $row[user_lastname]
($row[user_username])</td></tr>";

echo
"</table></div>";
}

$insertFollowing =
mysql_query("INSERT INTO following
(user_id,ufollowing_id) VALUES
('$cUserId','$userId')");
$insertFollower =
mysql_query("INSERT INTO follower
(user_id,ufollower_id) VALUES
('$userId','$cUserId')");
echo "Click <a
href='feed.php'>here to your
feed";
}

?>

</div>

</td>
</tr>

content_follower.inc

```php
<?php
	require("config.php");
	require("clean.php");

	$userId = $_SESSION['user_id'];

	$userFollowerSet =
mysql_query("SELECT * from follower where
user_id='$userId'");
	//echo "SELECT * from follower where
user_id='$userId'";
	$userFollowerSetNum =
mysql_num_rows($userFollowerSet);

?>
			<td rowspan="2"><div
id="body"><H1>Followers</H1><table>
<?php
		if($userFollowerSetNum==0){

	echo "<tr><td><span
class='genMessage'>You don't have any
followers.</span><br /><td></tr>";
		}

		else
if($userFollowerSetNum>0){
			echo "<tr><td><div
class='container'><table>";
			while ($idRow =
mysql_fetch_array($userFollowerSet)){


	$userDetailSet = mysql_query("SELECT
user_firstname,user_lastname, user_username
from user WHERE
user_id='$idRow[ufollower_id]'");

				while ($row =
mysql_fetch_array($userDetailSet)){
```

echo
"<tr><td>> $row[user_firstname]
$row[user_lastname]</td><td><a href='view-
profile.php?uid=$idRow[ufollower_id]'>$row[us
er_username]</td></tr>";
}

}
echo
"</table></div></td></tr>";
}
?>
</table>
</div>

</td>
</tr>

content_following.inc

```php
<?php
	require("config.php");
	require("clean.php");

	$userId = $_SESSION['user_id'];

	$userFollowingSet =
mysql_query("SELECT * from following where
user_id='$userId'");
	$userFollowingSetNum =
mysql_num_rows($userFollowingSet);

?>
			<td rowspan="2"><div
id="body"><H1>Following</H1><table>
<?php
		if($userFollowingSetNum==0){

	echo "<tr><td><span
class='genMessage'>You are not following any
users.</span><br /><td></tr>";
		}

		else
if($userFollowingSetNum>0){
			echo "<tr><td><div
class='container'><table>";
			while ($idRow =
mysql_fetch_array($userFollowingSet)){


	$userDetailSet = mysql_query("SELECT
user_firstname,user_lastname, user_username
from user WHERE
user_id='$idRow[ufollowing_id]'");

				while ($row =
mysql_fetch_array($userDetailSet)){
					echo
"<tr><td>> $row[user_firstname]
$row[user_lastname]</td><td><a href='view-
profile.php?uid=$idRow[ufollowing_id]'>$row[u
ser_username]</td></tr>";
				}



				}
				echo
"</table></div></td></tr>";
			}
?>
	</table>
		</div>
```

```
                  </td>
                        </tr>
```
**content_save_recommended_bookmarks_feed.i
nc**
```
<?php require("config.php");
 require("clean.php");
 $userBookmarkId = $_POST['userBookmarkId'];
 $userId = $_SESSION['user_id'];


 $recommendedDetails=mysql_query("SELECT
ub.userbookmark_id,
DATE_FORMAT(ub.userbookmark_date,'%d %b %Y')
userbookmark_date, ub.userbookmark_time,
               ub.userbookmark_privacy,
ub.userbookmark_description,
ub.userbookmark_title, b.bookmark_url,
b.bookmark_id
               FROM bookmark b,
user_bookmark ub WHERE
ub.userbookmark_id='$userBookmarkId' AND
ub.bookmark_id=b.bookmark_id");
 $recommendedDetailsNum =
mysql_num_rows($recommendedDetails);
 $row =
mysql_fetch_array($recommendedDetails);

 ?>
                                  <td
rowspan="2">
                                     <div
id="body">

        <H1>Add Bookmark to own Library</H1>

        <form id="saveBookmarkForm" form
action="save-recommended-bookmark-
process.php" method="POST">

               <table>


        <tr><th>URL:</th><td><input
name="urlField" type="text" id="urlField"
value="<?php echo
"$row[bookmark_url]"; ?>"/></td></tr>


        <tr><th>Title:</th><td><input
name="urlTitleField" type="text"
id="urlTitleField" value="<?php echo
"$row[userbookmark_title]";?>"/></td></tr>


        <tr><td></td><th><input
type="checkbox" name="privateCheck"
id="privateCheck" value="private"
/>Private</th></tr>


        <tr><th>Description:</th><td><textare
a rows="5" cols="50"
name="bookmarkDescription"><?php echo
"$row[userbookmark_description]";?></textarea
></td></tr>

                        <?php

                        $eachBookmark =
mysql_query("SELECT ut.tag_id,
ut.userbookmarktag_id, ut.user_id,
ut.userbookmark_id,

                        t.tag_id, t.tag_name,
```
```
ub.userbookmark_id FROM userbookmark_tag ut,
tag t, user_bookmark ub

                        WHERE
ut.tag_id=t.tag_id AND
ut.userbookmark_id='$row[userbookmark_id]'
AND ub.userbookmark_id=ut.userbookmark_id");

               $eachBookmarkNum =
mysql_num_rows($eachBookmark);

               echo
"<tr><th>Tags:</th><td><input type='text'
name='bookmarkTags' id='bookmarkTags'
size='40' value='";



               if($eachBookmarkNum>0){



                      while
($eachBookmarkRow=
mysql_fetch_array($eachBookmark)){

                             echo
"$eachBookmarkRow[tag_name],";


                      }

                   }

               echo "' /></td></tr>";

               ?>




        <tr><td></td><td><span
class='reminder'>*Separate each tag with a
comma</span></td></tr>


<?php
        $getLists= mysql_query("SELECT
ul.userlist_id,ul.list_id, l.list_name FROM
list l, user_list ul WHERE
ul.list_id=l.list_id AND user_id='$userId'");
        $getListsNum =
mysql_num_rows($getLists);
        if($getListsNum!=0){
               echo "<tr><th>Add to a
List</th><td><select name='addToList'>" ;
               echo "<option
value='0'>Select a list...</option>";
               while ($row =
mysql_fetch_array($getLists)){
                      echo "<option
value='$row[userlist_id]'>$row[list_name]</op
tion>";

               }
        }
?>
```

160

```
                                        </select></td></tr>


                </tr><td></td><td><input type="submit"
value="Add to own Library" id= "saveBookmark"
name="saveBookmark" /></td></tr>

                        </table>

                </form>

                </div>
                                                </td>
                                        </tr>
```

content_unfollow_user.inc

```php
<?php
        require_once("config.php");
        $userId = $_GET['uid'];
        $cUserId = $_SESSION['user_id'];


        $userDetails = mysql_query("SELECT
user_firstname, user_lastname, user_username,
user_description,
        user_gender, user_title, user_email
FROM user WHERE user_id=$userId") or die
("Query Failed!");
        $userDetailsNum =
mysql_num_rows($userDetails);

?>
        <td rowspan="2"><div
id="body"><h1>Follow User</h1>

<?php
        if($userDetailsNum>0){
                while ($row =
mysql_fetch_array($userDetails)){
                                        echo "<span
class='genMessage1'>You've
unfollowed:</span>";
                                        echo "<div
class='container'><table
class='descriptionContainer'>

                                        <tr><td>";


                                echo "</td><td
class='date'></td>

                                        <td><span
class='title'><a
href='profile.php?uid=$row[user_id]'> >
$row[user_firstname] $row[user_lastname]
($row[user_username])</a></span></td></tr>";

                                echo
"</table></div>";
                        }

                $insertFollowing =
mysql_query("DELETE FROM following WHERE
user_id='$cUserId' AND
ufollowing_id='$userId'");
                        $insertFollower =
mysql_query("DELETE FROM follower WHERE
user_id='$userId' AND
ufollower_id='$cUserId'");
                        echo "<span
class='genMessage'>Click <a
```

```
href='feed.php'>here</a> to your
feed</span>";
                }


?>

                </div>

                        </td>
                                </tr>
```

content_view_account_settings.inc

```php
<?php
        require_once("config.php");
        $userId=$_SESSION['user_id'];


        $userAccountDetails =
mysql_query("SELECT user_password FROM user
WHERE user_id=$userId") or die ("Query
Failed!");
        $userAccountDetailsNum =
mysql_num_rows($userAccountDetails);

?>
                                        <td
rowspan="2">
                                                <div
id="body">

        <H1>Change Password</H1>
        <?php
                if($userAccountDetailsNum>0){
                while ($row =
mysql_fetch_array($userAccountDetails)){

                        echo "<form
id='editUserForm' action='change-password-
process.php?uid=$userId' method='post'>";
                        echo "<div
class='container'><table
id='changePwTable'>";
                                echo "<tr><th>Old
Password:</th><td><input type='password'
name='oldPassword' /></td></tr>";
                                echo "<tr><th>New
Password:</th><td><input type='password'
name='newPassword' /></td></tr>";
                                echo "<tr><th>Retype
Password:</th><td><input type='password'
name='retypePassword' /><td></tr>";
                                echo
"<tr><td></td><td><br /><input type='submit'
value='Save Changes'></td></tr></table>";
                                echo "</div>";

                                echo "</form>";
                }
        }

?>


        </div>
                                        </td>
                                </tr>
```

content_view_user_profile.inc

```php
<?php
        require_once("config.php");
        $userId = $_GET['uid'];
        $cUserId=$_SESSION['user_id'];
```

```php
        $userDetails = mysql_query("SELECT
user_firstname, user_lastname, user_username,
user_description,
        user_gender, user_title, user_email
FROM user WHERE user_id=$userId") or die
("Query Failed!");
        $userDetailsNum =
mysql_num_rows($userDetails);

        $userFollowingSet =
mysql_query("SELECT * from following where
user_id='$cUserId' and
ufollowing_id='$userId'");
        $userFollowingSetNum =
mysql_num_rows($userFollowingSet);
?>
        <td rowspan="2"><div id="body">
<?php
        if($userDetailsNum>0){
        while ($row =
mysql_fetch_array($userDetails)){
                echo "<H1>$row[user_title]
$row[user_firstname] $row[user_lastname]
($row[user_username])</H1><table>";
                echo "<form id='editUserForm'
action='edit-user-info.php?uid=$userId'
method='post'>";
                echo "<tr><td><div
class='groupDetails'><table
class='userDetails1'>
                <tr><td colspan='2'><h2>User
Information</h2></td></tr>";
                if($row[user_gender]=='M')
                        echo
"<tr><th>Gender:</th><td>Male</td></tr>";

                else
if($row[user_gender]=='F')
                        echo
"<tr><th>Gender:</th><td>Female</td></tr>";

                //if($row[user_email]!="")
                        echo
"<tr><th>Email:</th><td>$row[user_email]</td>
</tr>";


        //if($row[user_description]!="")
                        echo "<tr><th>About
Me:</th><td>$row[user_description]</td></tr>"
;

                if($userId==$cUserId){
                        echo
"<tr><td></td><td><br /><input type='submit'
value='Edit' name='submitValue'></td></tr>";
                }
                if ($userFollowingSetNum==0
&& $userId!=$cUserId){
                        echo
"<tr><td></td><td><br /><input type='submit'
value='Follow User' name='submitValue'
></td></tr>";
                }
                else if
($userFollowingSetNum>0 &&
$userId!=$cUserId){
                        echo
"<tr><td></td><td><br /><input type='submit'
value='Unfollow User' name='submitValue'
></td></tr>";
```

```php
        }
        echo
"</table></div></td></tr></form>";
        echo "</table>";
    }
}

?>

        </div>

        </td>
                </tr>
```

profile_menu.inc
```php
<?php
        require("config.php");
        require("clean.php");

        $userId = $_SESSION['user_id'];
?>
        <td id="submenuData"><div
id="submenu">

        <H1>Profile Menu</H1>

        <table>

        <!--<tr><td><a href='view-
profile.php?uid=<?php echo
"$userId"; ?>'>View Own
Profile</a></td></tr>-->

        <tr><td><a href='account-
settings.php'>Change Password</a></td></tr>

        </table>

        </div>
                        </td>
```

user_menu.inc
```php
                <tr>
                        <td><div
id="submenu">

        <H1>User Menu</H1>

        <table>

        <tr><td><a
href='./feed.php'>Feed</a></td></tr>

        <tr><td><a
href='./followers.php'>Followers</a></td></tr
>

        <tr><td><a
href='./following.php'>Following</a></td></tr
>

        </table>

        </div>
</td>
```

**(main)
navigation.inc**
```php
        <?php
        $user = $_SESSION['user'];
        if($user){
                extract($user);
        }
```

162

```php
        $userId=
$_SESSION['user_id'];
        ?>
        <div id="logo"> <img
src=./images/logo1.png></img></div>
        <div id="navBg"> </div>
        <center><table id="mainTable">
                <thead>
                        <tr>
                        <td></td>
                        <?php
                         if($user){
                        echo "<td> <div
id='loginContainer'><table><tr><td>
                        Welcome <a
href='view-profile.php?uid=$userId'>" .
ucfirst($user_firstname) . " " .
ucfirst($user_lastname) ." ($user_username)
                        </a>! </td><td><a
href='logout.php'>(Logout)</a></td></tr></tab
le></div></td>";

                        }

                        else { ?>
                        <td>
                        <div
id='loginContainer'>
                        <form id="loginForm"
name="loginForm" action="login_exec.php"
method="post">

        <table><tr><th>Username:</th><td><inp
ut type="text" name="username" /></td></tr>

        <tr><th>Password:</th><td><input
type="password" name="password" /></td></tr>

        <tr><td></td><td><input type='submit'
value='Login' /></td></tr>

        </table>
                        </form>
                        <span
id='register'>Don't have an account yet?
Register <a href="./register.php">here. </a>
</span>

                        </div>

                        </td>
                        <?php } ?>
                        </tr>

                </thead>
                <tbody>
                <!--<form id="searchForm"
name="searchForm" action="search.php">-->
                        <tr>
                                <td
colspan="2" id="navigation">
                                        <ul
id="menu">

        <li><a href="index.php">Home</a>

        </li>

        <?php if($user){ ?>
                        <li><a
href="bookmarks.php">My Library</a> <a
href="add-bookmarks.php" title="Add
Bookmark">[+]</a>

                        <ul id="library">
                                        <li><a
href="bookmarks.php">Bookmarks</a></li>
                                        <li><a
href="notes.php">Notes</a></li>
                                        <li><a
href="lists.php">Lists</a></li>
                                </ul>
                        </li>

                        <li><a href="feed.php">My
Network</a>

                                <ul id="network">
                                        <li><a
href="users.php">Users</a></li>
                                        <li><a
href="groups.php">Groups</a></li>
                                </ul>
                        </li>

                        <!--<li><a
href="community.php">Community</a></li>-->

                        <li><a
href="profile.php?uid=<?php echo
"$userId";?>">My Profile</a></li>

                        <li class="searchContainer">

                                <form id="searchForm"
name="searchForm" action="redirect.php"">

                                <div>

                                <input type="text"
name="term" />

                                <input type='image'
value='Search'
src='./images/searchIcon.png'/></div>



                                </form>
                        </li>

                        <?php } else{?>



                        <!--<li><a
href="users.php">Network</a>

                                <ul id="network">
                                        <li><a
href="users.php">Users</a></li>
```

```
                        <li><a
href="groups.php">Groups</a></li>

                        </ul>

                </li>

                <li><a
href="community.php">Community</a></li>-->

                <li class="searchContainer">

                        <form id="searchForm"
name="searchForm" action="search.php">

                        <div>


                        <input type="text"
name="term" />

                        <input type='image'
value='Search'
src='./images/searchIcon.png'/></div>

                        <input type="hidden"
name="library" value="community">

                        </form>

                </li>


        <?php }?>

        <!--<li><a href="search.php">Advanced
Search</a></li>-->
                                        </ul>
                        </td>
                </tr>
                <!--</form>-->
```

index_menu.inc
```
        <tr>
                                <td
id="submenuData"><div id="submenu">

        <H1></H1>

        <table>

        <tr><td><a href='whats-
abt.php'>What's ABT?</a></td></tr>

        <tr><td><a href='more-
information.php'>More Information About
ABT</a></td></tr>

        <tr><td><a
href='extension.php'>Extension</a></td></tr>

        </table>

        </div>
                                </td>
```

header.inc
```
<?php session_start(); ?><!DOCTYPE html
PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN"
```

```
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">

<head>
        <title>Annotation and Bookmarking
Tool </title>
        <meta content="text/html;
charset=utf-8" http-equiv="Content-Type" />
        <link rel="stylesheet"
type="text/css" media="all"
href="css/main.css" />
        <link rel="icon" type="image/ico"
href="images/book.png"/>
        <script src="js/jquery-
1.9.0.min.js"></script>
        <script src="js/jquery-
ui.min.js"></script>
        <script
src="js/jquery.cycle.all.js"></script>
        <script
src="js/validation.js"></script>
        <script
src="js/systemFunctions.js"></script>

        <script src="tag-it/js/tag-it.js"
type="text/javascript" charset="utf-
8"></script>

        <link rel="stylesheet"
type="text/css" href="css/jquery-ui.css">
        <link href="tag-
it/css/jquery.tagit.css" rel="stylesheet"
type="text/css">
</head>
<body>
```

footer.inc
```
<tr>
                        <td colspan="2"
width="900px"><div
id="footer"><center>University of the
Philippines- Manila || 2012 - 2013
</center></div></td>
                                </tr>


                </tbody>
        </table></center>
</body>

</html>
```

dl_extension.inc
```
                        <tr id="tagRow">
                                <td><div
id="tags"><H1>Download Extension</H1><br />
                                <span
class='indent'><a
href="extension/abt_extension.crx">ABT Google
Chrome Extension</span></a>
                                </div></td>
                        </tr>
```

content_whats_abt.inc
```
                        <td
rowspan="2"><div id="body"><H1>What's
ABT?</H1><br />
                                <div
class='genMessage'>Annotator and Bookmarking
Tool is a two part system (Online Library and
Google Chrome Extension)
                        that allows
the user to personalize there internet
experience. Registered users is allowed too
save their bookmarks. They could also share
```

it with others and user it for annnotations as well </div>
```
                              </div></td>
                    </tr>
```

content_tags.inc
```php
<?php require("config.php");
 require_once("clean.php");
 $userId = $_SESSION['user_id'];

        $allTags= mysql_query("SELECT
distinct ut.tag_id, t.tag_name FROM user_tag
ut, tag t
             WHERE ut.user_id='$userId'
AND ut.tag_id=t.tag_id");
        $allTagsNum =
mysql_num_rows($allTags);
?>

        <tr id="tagRow">
                              <td><div
id="tags"><H1>Tags</H1><table>
<?php

        if($allTagsNum>0){

        $counter=0;


        while($allTagsRow=
mysql_fetch_array($allTags)){

        if($counter==0){

                echo "<tr>";

        }

        if($counter<=3){

                echo "<td><a
href='search.php?term=$allTagsRow[tag_name]&l
ibrary=all'>$allTagsRow[tag_name]</a></td>";

                $counter++;

        }

        if($counter==3){

                $counter=0;

                echo "</tr>";

        }
                                      }

        if($counter<3 && $counter>0){

                echo "</tr>";

        }
                              }

                              else
if($allTagsNum==0){
                                      echo
"<tr><td><div class='genMessage'>You have no
saved tags.</span></td></tr>";
                              }
?>

        </table></div>
```

content_extension.inc
```
                              </td>
                    </tr>
```

```
                              <td
rowspan="2"><div
id="body"><H1>Extension</H1><br />
                              <span
class='reminder' style='margin-
left:40px'>Note that extension is only for
Google Chrome users.</span><br /><br />
                              <span
class='genMessage' >To install:
                              <ol>

        <li>Download the .crx file from the
link at the left bar. </li>

        <li>Once finished, locate the file
where it is downloaded. </li>
                                      <li>
Double clicking will not work in installing
the .crx file. Instead, proceed to
chrome://extensions
                                      in
your browser. Drag the .crx file to that
window.

        <li>Click add in the popup that will
appear... And your done! </li>
                                      <li>
Annotator and Bookmarking Tool Extension is
now installed in your Google Chrome Browser.

        Kindly login your account to use it's
functionalities. </li>
                              </ol>
                              </span>

                              </div></td>
                    </tr>
```

content_home.inc

```
                              <td
rowspan="2"><div
id="body"><H1>Welcome!</H1><br />

        <script>jQuery(document).ready(functi
on() {

        $('#homeContainer').cycle('fade');

                              });

        </script>
                              <div
align="center" id="homeContainer">
                                      <img
src="images/home/save.jpg" width="500"
height="300" />
                                      <img
src="images/home/share.jpg" width="500"
height="300" />
                                      <img
src="images/home/annotate.png" width="500"
height="300" />
                              </div>
                              </div>
                              </td>
                    </tr>
```

165

content_more_info.inc

```
                                <td
rowspan="2"><div id="body"><H1>More
Information About ABT</H1><br />
                                <h2
class='infoHeader'>Online Library</h2>
                                <div
class='genMessage'>ABT's online library is
mainly the storage for tool. Here saved
bookmarks, list and notes could be viewed.
Such functions are only available for
registered users though.</div>


                                <h2
class='infoHeader'>Google Chrom
Extension</h2>
                                <div
class='genMessage'>ABT's extension goes hand
in hand with the online library to make the
user experience better. Here, extension user
could add bookmarks and notes to libray.
Also, important pages could be annotated and
changed into readable mode.</div>

                                </div></td>
                        </tr>
```

C. CSS files
main.css

```
body{
        background:#4799d6
url('../images/background-main.png') no-
repeat right top;
        font-family:"Trebuchet MS",
Helvetica, sans-serif;
}

/*TOP NAVIGATION*/
#navigation{
        background:#172322;
        height:50px;
}

#menu{
        margin:0px;
        padding:0px;
        list-style:none;
        color:#a09e9b;
        line-height:45px;
        display:inline-block;
        float:left;
        z-index:1000;
}

#menu a {
        color:#a09e9b;
        text-decoration:none;
        font-size: 14px;
        font-weight: bold;
}

#menu > li {
        cursor:pointer;
        float:left;
        position:relative;
    padding:0px 35px;
}

#menu > li a:hover {
        color:#fff;
}

#menu .logo {
```

```
        background:transparent none repeat
scroll 0% 0%; padding:0px;
    background-color:Transparent;
}

/* sub-menus*/

#menu ul {
        padding:0px;
        margin:0px;
        display:block;
        display:inline;
}

#menu li ul {
        position: absolute;
        left: -18px;
        top: 0px;
        margin-top: 45px;
        width: 150px;
        line-height: 16px;
        background-color: #172322;
        color: #9e9d99;
        display: none;
        padding-top: 10px;
        padding-left: 20px;
        padding-bottom: 10px;
        list-style:none;

}

#menu li:hover ul {
        display:block;
}

#menu li ul li{
}

#menu li ul li:first-child {
        border-top: none;
}

#menu li ul li a {
        display:block;
        color:#a09e9b;
}

#menu li ul li a:hover {
        color:#fd7c3d;
}

/* main submenu */
#menu #main {
        left:0px;
        top:-20px;
        padding-top:20px;
        background-color:#7cb7e3;
        color:#fff;
    z-index:999;}

/* search */
.searchContainer div {
        background-color:#fff;
        display:inline;
        padding:5px;
}

.searchContainer input[type="text"] {
        border:none;
}

.searchContainer input[type="image"],
#searchContainer input[type="image"]{
        vertical-align:middle;
        width: 20px;
        height: 20px;
```

```css
}

#footer{
        background:#172322;
        color: #a19e9d;
        height: 50px;
}

#footer center{
        padding-top: 15px;
        font-size: 12.5px;

}

#body{
        background-color: #fff;
}

#submenu, #submenu1{
        background-color: #31302e;
        width: 350px;
        height: 190px;
}

#submenu1 h1{
        color: #fff;
        font-size: 24px;
        padding-left: 35px;
        padding-top: 15px;
}

#submenu h1,#submenu1 h1, #tags h1{
        color: #fff;
        font-size: 24px;
        padding-left: 35px;
        padding-top: 35px;
}

#submenu a{
        color: #a09e9b;
        font-size: 15px;
        font-weight: bold;
        text-decoration: none;

}

#submenu a:hover,#tags a:hover, .tags
a:hover{
        color: #fd7c3d;

}

#submenu table{
        padding-left: 40px;
        width: 310px;
}

#submenu table td{
        border-bottom: solid 1.5px #63615e;
}

/*#submenuData{
        background-color: #31302e;
}*/

#tags{
        background-color: #172322;
        width: 350px;
        //height: 300px;
        //position: absolute;
        //top: 415px;
        //left: 198.5px;
}

#tags a,.tags a{
        color: #a09e9b;
```

```css
        font-size: 13px;
        text-decoration: none;
        padding-right:2px;

}

#tags table{
        padding-left: 40px;
        width: 310px;
}

#tagRow{
        background-color: #172322;

}

#body{
        color: #172322;
        font-size: 14px;
        width:600px;
        min-height:450px;
}

#body h1{
        font-size: 24px;
        margin-left: 40px;
        padding-top: 35px;
        border-bottom: solid 2.5px #e7e7e4;
        margin-right: 30px;
}


#body form table{
        padding-left: 40px;
}

.tags{
        padding-left: 0px !important;
}


#body form table th{
        text-align:left;
}

#body form
input[type="text"],input[type="password"],tex
tarea{
        width: 400px;
        resize: none;
}

.reminder{
        color: #50729f;
        font-size: 90%;
        font-style: italic;
}

#sortForm{
        padding-left:40px;
}


.container{
        margin-left:40px;
        margin-bottom:6px;
        background-color: #f3f2ee;
        padding: 10px;
        border: solid 2px #e5e4e0;
        width: 490px;
}

.title a,.url a, .url1 a, .groupTitle{
        color: #463640;
        text-decoration: none;
        font-size: 16px;
        font-weight: bold;
```

```css
}
.title a:hover, .url a:hover{
        color: #2b7ab5;

}
.date{
        width:90px !important;
}

.descriptionContainer{
        padding-left: 0px !important;
}

.description, .sharedBy{
        color: #746e71;
        font-style: italic;
        margin-left: 6px;
        font-size:13.8px;
}

.url a{
        font-size: 13.5px !important;
}

.category,.join{
        font-weight: bold;
        color: #fd7c3d;
        margin-left: 6px;
        font-size: 13.8px;
}

.members{
        color: #746e71;
        margin-left: 6px;
        font-size: 13.8px;
}

#loginContainer{
        margin-left: 230px;
        margin-bottom: 30px;
        color: #fff;
        font-size: 13px;
        font-weight: normal;
        height: 100px;

}

#loginContainer a, .url1 a:hover{
        text-decoration:none;
        color: #31302e;
}

#loginContainer a:hover{
        color:#dbedfa;

}

#loginContainer table{
        background-color: #8cc9f6;
        padding: 5px;

}

#loginContainer form input[type="text"],
#loginContainer form input[type="password"]{
        border:none;
        width: 180px;
        height: 18px;
}

#register{
        color: #31302e;
}

#register a{
```

```css
        color:#dbedfa;
        font-weight: bold;
        text-decoration:none;
}

#register a:hover{
        color:#fff;
}

.groupDetails{
        border: solid 7px #e5e4e0;
        padding: 8px;
        margin-left: 40px;
        width: 490px;
        background-color: #f8f8f5;
}

.groupTitle{
        color: #463640;
        text-decoration: none;
        font-size: 18px;
        font-weight: bold;
}

.likeDislikeCount{
        color: #fd7c3d;
        font-weight:bold;
        margin-left:2px;
        font-size: 12px;
}

.like{
        width:15px;
        height:15px;

}

.buttons{
        margin-left:2px;
        margin-right:2px;
}

.groupPost{
        margin-left:40px;

        }

.url1 a{
        color: #fd7c3d;
        font-size: 13px !important;

}
#bookmarkComment, #listComment{
        width: 500px;
}

#logo{
        position:absolute;
        top:10px;
        left:180px;
}

#navBg{
        width: 1349px;
        background: #172322;
        position: absolute;
        top: 146px;
        left: 0px;
        height: 52px;
}

#changePwTable input[type="password"]{
        //border: none;
        width: 300px !important;
}
```

168

```css
#searchContainer{
        padding-left:40px;
        padding-top:25px;

}

#searchContainer input[type="text"]{
        width: 220px !important;

}

.userDetails1 th{
        text-align: left;
}

#newList input[type="text"], #newList
textarea{
        width: 300px !important;

}

#newList{
        display:none;
        background-color: #f3f2ee;
        border: solid 2px #e5e4e0;
        padding: 5px;
        padding-left:25px;

}

.reminderContainer{
        padding-left:50px;
}

.searchOptions{
        border: solid 1px #5b5951;
        color: #fff;
        padding-left: 5px;
        padding-right: 5px;
        width: 250px;
        text-align:left;
        margin-top:5px;

}

.searchOptions td{
        color: #97927e;
        text-align: center;
        font-size: 90%;

}

.warning{
        color: #fd7c3d;
        font-size: 90%;
        font-style: italic;
        font-weight:bold;

}

#myTags{
        width: 400px;
        resize: none;

}

.indent{
        margin-left: 40px;

}

.list{
        //color:#a09e9b;
        color:#fd7c3d;
        text-decoration:none;
        font-size: 14px;
        font-weight: bold;

}

.genMessage{
        margin-left: 40px;
        color: #fd7c3d;
```

```css
        font-style: italic;
        font-weight:bold;
        text-align:left;
        margin-right: 40px;

}


.genMessage1{
        margin-left: 40px;
        color: #463640;
        font-style: italic;
        font-weight:bold;
        text-align:left;
        margin-right: 40px;

}

#homeContainer{
        margin-left: 40px;

}

.infoHeader{
        margin-left:40px;
}

input[type="submit"] {
        color: #fff;
        background:#fd7c3d;

}

#loginContainer input[type="submit"] {
        color: #fff;
        background:#31302e;

}

input:hover[type="submit"] {
        color: #fff;
        background:#172322;

}

input:disabled[type="submit"]{
        background:#dddddd;
        color: #aca6a6;

}
```

readable.css

```css
body{
        //background:#4799d6
url('../images/background-main.png') no-
repeat right top;
        font-family:"Trebuchet MS",
Helvetica, sans-serif;
}


.readableMode{
        margin-left: 80px;
        margin-right: 80px;

}
```

D. JS Files
validation.js

```js
function checkBookmarkFields() {
        if(jQuery('#urlField').val()!="" &&

        jQuery('#urlTitleField').val()!=""){

        jQuery('#addBookmarkError').hide();


        if(jQuery('#urlField').val()!=""){
```

```
                if
(jQuery('#urlField').val().indexOf('http://')
==0||
jQuery('#urlField').val().indexOf('https://')
==0){

        jQuery('#urlError').hide();

        jQuery('#addBookmark').removeAttr('di
sabled');
                }

                else{

        jQuery('#urlError').show();

        jQuery('#addBookmark').attr('disabled
','disabled');
                }
            }

        }

        else{

        if(jQuery('#urlField').val()!=""){
                    if
(jQuery('#urlField').val().indexOf('http://')
==0||
jQuery('#urlField').val().indexOf('https://')
==0){

        jQuery('#urlError').hide();

        jQuery('#addBookmark').removeAttr('di
sabled');
                }

                else{

        jQuery('#urlError').show();

        jQuery('#addBookmark').attr('disabled
','disabled');
                }
            }

            else{

        jQuery('#urlError').show();
                }

        jQuery('#addBookmarkError').show();

        jQuery('#addBookmark').attr('disabled
','disabled');

        }

}

function checkNoteFields() {
        if(jQuery('#urlField').val()!="" &&

        jQuery('#urlTitleField').val()!="")

        alert(jQuery('#addBookmarkError').val
());

}
```

systemFunctions.js

```
function checkList(){
```

```
        if
($('select[name="addToList"]').val()
=="createList")
                $('#newList').show(600);
        else
                $('#newList').hide(600);

}
```

Google Chrome Extension Files
A. HTML files
addBookmark.html

```
<html>
    <head>
        <script src="jquery-
1.9.0.min.js"></script>
        <script
src="addBookmark.js"></script>
        <script
src="extensionFunctions.js"></script>

        <link rel="stylesheet"
type="text/css" href="css/extension.css">
    </head>
    <body>
        <form id="bookmarkForm">

            <input type="hidden"
id="userId" name="userId" />
            <input type="hidden"
id="bookmarkId" name="bookmarkId" />
            <input type="hidden"
id="userBookmarkId" name="userBookmarkId"
/></p>

                    <div
id="titleContainer">
                        <h3>Save
Bookmark</h3>
                    </div>
                    <div id="message"
style="color:black;"></div>
                    <p><label
for="title">Title:</label><br />
            <input type="text" id="title"
name="title" size="50" value="" /></p>
                    <p><input
type="checkbox" name="privacy" id="privacy"
value="private" checked/><label
for="privacy">Private</label>
                    <p><label
for="url">Url:</label><br />
            <input type="text" id="url"
name="url" size="50" value="" /></p>
            <p><label
for="description">Description:</label><br />
            <textarea id="description"
name="description" rows="6"
cols="39"></textarea></p>
                    <p><label
for="tags">Tags:</label><br />
            <input type="text" id="tags"
name="tags" size="50" value="" /><br />
                    <span
class="reminder">*Separate each tag with a
comma</span></p>
                    <p><select
name="userlist" id="userlist">

        <option value="">Select a
list...</option>
                        </select>
            <!--<input type="text"
id="bookmarkid" name="bookmarkid" size="50"
value="" /></p>-->
```

```html
                <p><input
id="command" type="submit" value="Save
Bookmark" /></p>

        </form>
                <center>
                <div id="iconContainer">
                <table>
                        <tr><td><a
href="addNote.html"><img
src="/images/menu/addNoteIcon.png" title="Add
Note" alt="Add Note" id="addNoteButton"
/></a></td>
                        <td><input
type="image" src="
images/menu/annotateIcon.png" id="annotate"
name="annotate" title="Annotate"
value="Annotate" /></td>
                        <td><input
type="image" src="
images/menu/readableViewIcon.png"
id="readable" name="readable" value="Change
to Readable View" title="Change to Readable
View"/></td>
                        <!--<td><input
type="image" src="
images/menu/saveReadableIcon.png"
id="saveOfflinePage" name="saveOfflinePage"
value="Save Readable View"  title="Save
Readable View (Offline Mode)"/></td>
                        <td><a
href="shareBookmark.html"><img
src="/images/menu/shareBookmarkIcon.png"
alt="Share Bookmark" title="Share Bookmark"
id="shareButton" /></a></td>
                        <td><a
href="importBookmark.html"><img
src="/images/menu/importBookmarkIcon.png"
alt="Import browser bookmarks" title="Import
Browser Bookmarks" id="importButton"
class="menuButton" /></a></td>-->
                        </tr>
                </table>
                </div>
                </center>
        </body>
</html>
```

addNote.html
```html
<html>
 <head>
        <script src="jquery-
1.9.0.min.js"></script>
        <script src="addNote.js"></script>
        <script
src="extensionFunctions.js"></script>

        <link rel="stylesheet"
type="text/css" href="css/extension.css">

    </head>
    <body>
                <div id="titleContainer">
                        <h3>Add Note</h3>
                </div>

                <form id="addNoteForm">
                        <input type="hidden"
id="bookmarkUrl" name="bookmarkUrl" value=""
/>
                        <p><label
for="noteTitle">Title:</label><br />
                        <input type="text"
id="noteTitle" name="noteTitle" size="50"
value="" /></p>
```

```html
                        <p><input
type="checkbox" name="notePrivacy"
id="notePrivacy" value="private" /><label
for="privacy">Private</label>
                        <p>
                        <textarea id="noteText"
name="noteText" rows="6"
cols="35"></textarea></p>
                        <p><label
for="noteTags">Tags:</label><br />
                        <input type="text"
id="noteTags" name="noteTags" size="50"
value="" /></p>
                        <p><input id="save"
type="submit" value="Add Note" /></p>
        </form>
    <div id="noteContainer"></div>

        <center>
        <div id="iconContainer">
                <table>
                        <tr><td><a
href="addBookmark.html"><img
src="/images/menu/addBookmarkIcon.png"
title="Add Bookmark" alt="Add Bookmark"
id="addBookmarkButton" /></a></td>
                        <td><input
type="image" src="
images/menu/annotateIcon.png" id="annotate"
name="annotate" title="Annotate"
value="Annotate" /></td>
                        <td><input
type="image" src="
images/menu/readableViewIcon.png"
id="readable" name="readable" value="Change
to Readable View" title="Change to Readable
View"/></td>
                        <!--<td><input
type="image" src="
images/menu/saveReadableIcon.png"
id="saveOfflinePage" name="saveOfflinePage"
value="Save Readable View"  title="Save
Readable View (Offline Mode)"/></td>
                        <td><a
href="shareBookmark.html"><img
src="/images/menu/shareBookmarkIcon.png"
alt="Share Bookmark" title="Share Bookmark"
id="shareButton" /></a></td>
                        <td><a
href="importBookmark.html"><img
src="/images/menu/importBookmarkIcon.png"
alt="Import browser bookmarks" title="Import
Browser Bookmarks" id="importButton"
class="menuButton" /></a></td>-->
                        </tr>
                </table>
        </div>
        </center>
        </body>

</html>
```

popup.html
```html
<html>
    <head>
        <script src="jquery-
1.9.0.min.js"></script>
        <script
src="extensionFunctions.js"></script>
        <script src="popup.js"></script>

        <link rel="stylesheet"
type="text/css" href="css/extension.css">
    </head>
    <body>
                <table id="menuContainer">
```

```
                        <tr><td><a
href="addBookmark.html"><img
src="/images/menu/addBookmark.png" alt="Add
Bookmark" id="addBookmarkButton"
/></a></td></tr>
                        <tr><td><a
href="addNote.html"><img
src="/images/menu/addNote.png" alt="Add Note"
id="addNoteButton" /></a></td></tr>
                        <tr><td><input
type="image" src=" images/menu/annotate.png"
id="annotate" name="annotate"
value="Annotate" /></td></tr>
                        <tr><td><input
type="image" src="
images/menu/readableView.png" id="readable"
name="readable" value="Change to Readable
View" /></td></tr>
                        <!--<tr><td><input
type="image" src="
images/menu/saveReadable.png"
id="saveOfflinePage" name="saveOfflinePage"
value="Save Readable View (Offline Mode)"
/></td></tr>
                        <tr><td><a
href="shareBookmark.html"><img
src="/images/menu/shareBookmark.png"
alt="Share Bookmark" id="shareButton"
/></td></tr>
                        <tr><td><a
href="importBookmark.html"><img
src="/images/menu/importBookmark.png"
alt="Import browser bookmarks"
id="importButton" class="menuButton"
/></td></tr>-->
                </table>
                <center>
                <div id="messageContainer">
                        <span
id="message">You are not logged in. <br />
                        Please log in the <a
href="#" id="logInLink">site </a> to use the
extension.</span>
                </div>
                </center>
        </body>
</html>
```

error.html
```
<html>
    <head>
        <script src="jquery-
1.9.0.min.js"></script>
        <script src="popup.js"></script>
    </head>
    <body>
     <strong>Please log in. </strong>
    </body>
</html>
```

B. JS files

addBookmark.js
```
function popupFunction(){
 chrome.tabs.query({'active': true},
function(tab) {
    document.getElementById("url").value =
tab[0].url;
        document.getElementById("title").valu
e = tab[0].title;
            getBookmarkId();
  });
}

function submitBookmark(){
        event.preventDefault();

        var params = "";
```

```
        if(document.getElementById("url").val
ue!=""){
        params = params + "url=" +
document.getElementById("url").value;
        }

        if(document.getElementById("userId").
value!=""){
        params = params + "&userId=" +
document.getElementById("userId").value;
        }

        if(document.getElementById("bookmarkI
d").value!=""){
        params = params + "&bookmarkId=" +
document.getElementById("bookmarkId").value;
        }

        if(document.getElementById("userBookm
arkId").value!=""){
        params = params + "&userBookmarkId="
+
document.getElementById("userBookmarkId").val
ue;
        }

        if(document.getElementById("title").v
alue!=""){
        params = params + "&title=" +
document.getElementById("title").value;
        }

        if(document.getElementById("descripti
on").value!=""){
        params = params + "&description=" +
document.getElementById("description").value;
        }
        if(document.getElementById("tags").va
lue!=""){
        params = params + "&tags=" +
document.getElementById("tags").value;
        }

        if(document.getElementById("userlist"
).value!=""){
        params = params + "&userlist=" +
document.getElementById("userlist").value;
        }

        if(document.getElementById("privacy")
.value!=""){
        params = params + "&privacy=" +
document.getElementById("privacy").value;
        }
        else
if(document.getElementById("privacy").value==
""){
        params = params + "&privacy=public";
        }

        //alert ("params:"+params);

        var
action="http://agila.upm.edu.ph/~jmmarquez/bo
okmark-sp1/add-bookmark-process.php";
        var successMessage="Bookmark
successfully saved!";
        if(document.getElementById("command")
.value=="Edit Bookmark"){

        action="http://agila.upm.edu.ph/~jmma
rquez/bookmark-sp1/fnc_extension/edit-
bookmark-process.php";
             successMessage="Bookmark
edited!";
        }
```

172

```
        $.post(action, params,
                function(data,status){

        //document.getElementById("bookmarkid
").value = data;

$('#message').html(successMessage);

        });


}

function getBookmarkId(){
        var jqxhr = $.ajax({
                type: "POST",
                url:
"http://agila.upm.edu.ph/~jmmarquez/bookmark-
sp1/get-bookmarkid-process.php",
                data: "url=" +
document.getElementById("url").value,
                async: false
        })
        .done(function(data)
{ //alert("second success"+data);

        console.log("bookmarkDetails:"+data);
                var
bookmarkDetails=JSON.parse(data);


        console.log("bookmarkDetails"+bookmar
kDetails);

        document.getElementById("userId").val
ue=bookmarkDetails.userId;

        document.getElementById("userBookmark
Id").value=bookmarkDetails.userBookmarkId;

        document.getElementById("bookmarkId")
.value=bookmarkDetails.bookmarkId;


        if(bookmarkDetails.userId==""){ //che
ck if logged in

        window.location.href="error.html";
                }

                else{ // user logged in

        getUserLists(bookmarkDetails.userId);

        if(bookmarkDetails.bookmarkId!="-1"
&& bookmarkDetails.userBookmarkId!="-
1"){ //check if bookmark is saved

        //alert("userbookmarkid"+bookmarkDeta
ils.userBookmarkId);

        getBookmarkDetails(bookmarkDetails.us
erBookmarkId);

        getBookmarkTags(bookmarkDetails.userB
ookmarkId, bookmarkDetails.userId);

        document.getElementById("command").va
lue="Edit Bookmark";
                        }
                        else{

        document.getElementById("command").va
lue="Save Bookmark";
```

```
                }
        }

        })
        .fail(function() { //alert("error");
        })
        .always(function()
{ //alert("finished");
        });

}

function getBookmarkTags(userBookmarkId,
userId){
        console.log("userBookmarkId:"+userBoo
kmarkId+" userId:"+userId);
        var jqxhr = $.ajax({
                type: "POST",
                url:
"http://agila.upm.edu.ph/~jmmarquez/bookmark-
sp1/get-bookmarktags-process.php",
                data: "userBookmarkId=" +
userBookmarkId +"&userId=" + userId ,
                async: false
                })
        .done(function(data)
{ //alert("second success"+data);

        //alert("getBookmarkDetails"+data);
                console.log(data);
                /*var
jsonText=data.replace("[","");
                var
jsonText=jsonText.replace("]","");

        console.log("jsonText:"+jsonText);*/
                var
bookmarkTagsJson=JSON.parse(data);

        console.log(bookmarkTagsJson);
                var tags="";
                 for (var i = 0, len =
bookmarkTagsJson.length; i < len; ++i) {
                        var bookmarkTags =
bookmarkTagsJson[i];

        console.log(bookmarkTags.tag_name);

        tags=tags+bookmarkTags.tag_name+",";
                }

        document.getElementById("tags").value
=tags;


        })
        .fail(function() { //alert("error");
        })
        .always(function()
{ //alert("finished");
        });

}

function getUserLists(userId){
        console.log("userId in
getUserLists:"+userId);
        var jqxhr = $.ajax({
                type: "POST",
                url:
"http://agila.upm.edu.ph/~jmmarquez/bookmark-
sp1/get-userlists-process.php",
                data: "userId=" + userId ,
                async: false
                })
```

173

```
        .done(function(data)
{ //alert("second success"+data);

        //alert("getBookmarkDetails"+data);
                console.log("data in
getUserLists:"+data);
                var
userListsJson=JSON.parse(data);
                var dropdown =
$('#userlist');
                for (var i = 0, len =
userListsJson.length; i < len; ++i) {
                        var userLists =
userListsJson[i];
                        console.log("json in
getUserLists"+userLists.list_name);

        dropdown.append($('<option></option>'
).val(userLists.userlist_id).html(userLists.l
ist_name));
                }


        })
        .fail(function() { //alert("error");
        })
        .always(function()
{ //alert("finished");
        });
}

function getBookmarkDetails(userBookmarkId){

        //alert("userBookmarkId"+userBookmark
Id);
        var jqxhr = $.ajax({
                type: "POST",
                url:
"http://agila.upm.edu.ph/~jmmarquez/bookmark-
sp1/get-bookmarkdetails-process.php",
                data: "userBookmarkId=" +
userBookmarkId,
                async: false
                })
        .done(function(data)
{ //alert("second success"+data);

        //alert("getBookmarkDetails"+data);
                console.log(data);
                var
bookmarkDetails1=JSON.parse(data);

        console.log(bookmarkDetails1);
                //alert("bookmarkDetails"+
bookmarkDetails1);

                for (var i = 0, len =
bookmarkDetails1.length; i < len; ++i) {
                        var bookmarkDetails =
bookmarkDetails1[i];

        document.getElementById("title").valu
e=bookmarkDetails.userbookmark_title;

        document.getElementById("url").value=
bookmarkDetails.bookmark_url;

        document.getElementById("description"
).value=bookmarkDetails.userbookmark_descript
ion;

                }

        })
        .fail(function() { //alert("error");
        })
```

```
        .always(function()
{ //alert("finished");
        });

}


document.addEventListener('DOMContentLoaded',
function () {
  popupFunction();

document.getElementById('bookmarkForm').addEv
entListener("submit", submitBookmark);

document.getElementById('readable').addEventL
istener("click", readableView);

document.getElementById('annotate').addEventL
istener("click", annotate);

//document.getElementById('saveOfflinePage').
addEventListener("click", saveOfflinePage);
});
```

popup.js

```
function checkIfLoggedIn(){
        var jqxhr = $.ajax({
                type: "POST",
                url:
"http://agila.upm.edu.ph/~jmmarquez/bookmark-
sp1/check-login-process.php",
                async: false
        })
        .done(function(data)
{ //alert("second success"+data);
                if(data=="false"){

        $("#menuContainer").hide();

        $("#messageContainer").show();

        $('html').attr("style",
"width:340px;height:50px;");

        $('body').attr("style",
"width:340px;height:50px;");

                }

                else if(data=="true"){

        $("#menuContainer").show();

        $("#messageContainer").hide();

        $('html').attr("style",
"height:50px;");

        $('body').attr("style",
"height:50px;");
                }

        })
        .fail(function() { //alert("error");
        })
        .always(function()
{ //alert("finished");
        });
}

document.addEventListener('DOMContentLoaded',
function () {
        checkIfLoggedIn();
```

174

```javascript
        document.getElementById('readable').a
ddEventListener("click", readableView);
        document.getElementById('annotate').a
ddEventListener("click", annotate);
        //document.getElementById('saveOfflin
ePage').addEventListener("click",
saveOfflinePage);
        document.getElementById('logInLink').
addEventListener("click", function(){

        window.open("http://agila.upm.edu.ph/
~jmmarquez/bookmark-sp1","_blank");
                window.focus();
        });
});
```

addNote.js
```javascript
function addnoteFunction(){
  chrome.tabs.query({'active': true},
function(tab) {

document.getElementById("bookmarkUrl").value
= tab[0].url;
        getBookmarkId();

  });
}

function getBookmarkId(){
        //var details="";
        //alert("url2:"+document.getElementBy
Id("bookmarkUrl").value);
        var jqxhr = $.ajax({
                type: "POST",
                url:
"http://agila.upm.edu.ph/~jmmarquez/bookmark-
sp1/get-bookmarkid-process.php",
                data: "url=" +
document.getElementById("bookmarkUrl").value,
                async: false
        })
        .done(function(data)
{ //alert("second success"+data);
        var
bookmarkDetails1=JSON.parse(data);

if(bookmarkDetails1.userId==""){ //check if
logged in

        window.location.href="error.html";
          }
          else{ // check if bookmark is saved

        if(bookmarkDetails1.bookmarkId!='' &&
bookmarkDetails1.userBookmarkId!=''){
                        getNoteId(data);
                }
                else{

        window.location.href="error.html";
                }
        }

        })
        .fail(function() { alert("error"); })
        .always(function()
{ //alert("finished");
        });
}

function getNoteId(details){
        //alert("woot"+details);
        $.post("http://agila.upm.edu.ph/~jmma
rquez/bookmark-sp1/view-notes-process.php",
{json: details},
                function(data){
```

```javascript
                //alert("data"+data);
                var
notes=JSON.parse(data);
                        var i = 0, dataSize
= notes.length, html = '';

                        for(i; i < dataSize;
i++){
                        //note_id,
note_title, note_text, note_privacy,
note_date

        //noteContent=;

        //alert("huzzah"+noteContent);
                        var
noteId=notes[i].note_id;
                        var
noteText=notes[i].note_text;
                        var
noteTitle=notes[i].note_title;

                        var
noteDiv=document.createElement("div");
                        var
noteDivId="noteDiv_"+noteId;

        noteDiv.setAttribute("class","noteDiv
");

        noteDiv.setAttribute("id",noteDivId);

                        var
noteForm=document.createElement("form");
                        var
noteFormId="noteForm_"+noteId;

        noteForm.setAttribute("id",noteFormId
);

        noteForm.setAttribute("action","");

        $('#noteContainer').append(noteDiv);

        $('#'+noteDivId).append(noteForm);

        if(noteTitle!="")

        $('#'+noteFormId).append('<p>'+noteTi
tle+'</p>');

                        else

        $('#'+noteFormId).append('<p>'+noteTe
xt+'</p>');

        $('#'+noteFormId).append('<p>'+notes[
i].note_date+'</p>');

        $('#'+noteFormId).append('<input
type="hidden" id="noteId" value="'+noteId+'"
/>' );

        $('#'+noteFormId).append('<input
type="submit" id="noteProcess" value="Edit"
/>' );

        $('#'+noteFormId).append('<input
type="submit" id="noteProcess" value="Delete"
/>' );
```

175

```
        $('#'+noteFormId).bind("submit",
noteFormProcess);

                    }

                }
        );
}

function noteFormProcess(){
        var form=$(this);

        var noteId = $('#noteId',
form).val();

        var submitVal =
$("input[type=submit][clicked=true]",form).va
l();
        alert("wooot:"+form);
        //localStorage.setItem("submitValue",
submitVal);
        //localStorage.setItem("toEditDeleteO
ffline",noteNum);


}


function addNote(){
        event.preventDefault();

        var params = "";
        if(document.getElementById("noteText"
).value!=""){
        params = params + "noteText=" +
document.getElementById("noteText").value;
        }

        if(document.getElementById("noteTitle
").value!=""){
        params = params + "&noteTitle=" +
document.getElementById("noteTitle").value;
        }

        if(document.getElementById("noteTags"
).value!=""){
        params = params + "&noteTags=" +
document.getElementById("noteTags").value;
        }

        if(document.getElementById("notePriva
cy").value!="private"){
        params = params + "&notePrivacy=" +
'public';
        }
        else
if(document.getElementById("notePrivacy").val
ue=="private"){
        params = params +
"&notePrivacy=private";
        }

        //alert ("params:"+params);

        var jqxhr = $.ajax({
                type: "POST",
                url:
"http://agila.upm.edu.ph/~jmmarquez/bookmark-
sp1/add-note-process.php",
                data: params
        })
        .done(function() { alert("Note
Added!");
        })
        .fail(function() { alert("error");
```

```
        })
        .always(function() {
        //alert("finished");

        });

}

document.addEventListener('DOMContentLoaded',
function () {
        addnoteFunction();
        document.getElementById('addNoteForm'
).addEventListener("submit", addNote);
        document.getElementById('annotate').a
ddEventListener("click", annotate);
        //document.getElementById('annotate')
.addEventListener("click", annotate);
        //document.getElementById('saveOfflin
ePage').addEventListener("click",
saveOfflinePage);

        $("form
input[type=submit]").click(function() {
                $("input[type=submit]",
$(this).parents("form")).removeAttr("clicked"
);
                $(this).attr("clicked",
"true");
        });
    });
```

content.js
```
$(document).ready(function() {
        document.title=document.title+"
(AnnotateThisPage)";
        console.log("annotator function...");
         var siteUrl=document.URL;
         console.log("url:"+siteUrl);
            var preview =
$('body').annotator();

        //Annotator Store Plugin, use for
saving annotations into the database
        preview.annotator('addPlugin',
'Store', {

                //API urls
                prefix:
'http://localhost/annotator/api',

                //Additional data that you
might need to pass to you storage for saving
                annotationData: {

                        'uri': siteUrl

                },

                //sub urls use for handling
different request
                urls: {
                        // These are the default
URLs.
                        create:  '/annotations',
                        read:    '/annotations',
                        update:
'/annotations/:id',
                        destroy:
'/annotations/:id',
                        search:
'/annotations/search'
                },
        })
        .annotator('addPlugin', 'Tags')
```

176

```
            .annotator('addPlugin', 'Filter', {
                        filters: [
                                {
                                        label:
'Tag',
                                        property:
'tags',
                                        isFiltered:
function (input, tags) {
                                                if
(input && tags && tags.length) {
                                                        var
keywords = input.split(/\s+/g);
                                                        for
(var i = 0; i < keywords.length; i += 1) {

        for (var j = 0; j < tags.length; j +=
1) {

            if
(tags[j].indexOf(keywords[i]) !== -1) {

                return true;

            }

        }
                                                        }
                                                }

        return false;
                                        }}
                        ]
                });
});
```

manifest.json

```json
{
  "manifest_version": 2,

  "name": "Bookmarking and Annotation Tool ",
  "description": "Extension for Bookmarking
and Annotation Tool",
  "icons": { "16": "/images/book.png",
            "48": "/images/book.png",

"128":"/images/book.png"
                },
  "version": "1.0",
  "background": { "scripts":
["background.js"] },
  "browser_action": {
    "default_icon": "/images/book.png",
    "default_popup": "popup.html"
  },
  "content_scripts": [
    {
      "matches":
["http://*/*","https://*/*"],
        "css":["css/annotator.min.css"],
      "js": ["jquery-
1.9.0.min.js","js/jquery-
1.8.2.js","js/annotator-full.min.js"]
    }
  ],
  "permissions" : [

"tabs","http://*/*","https://*/*","bookmarks"
  ],
  "content_security_policy": "script-src
'self' https://ajax.googleapis.com
https://agila.upm.edu.ph/; object-src 'self'"

}
```

extensionFunctions.js

```javascript
function annotate(){
      chrome.tabs.query({'active': true},
function(tab) {
            var currentTitle=
tab[0].title;

      if(currentTitle.indexOf("(AnnotateThi
sPage)")==-1){
                  //alert("yeeeey");

      chrome.tabs.executeScript(null,
{file: "content.js"});
            }
            else{
            //alert("not yeeey");

chrome.tabs.executeScript(null,
{code:"location.reload(true)"});
            }

      });
}


function readableView(){
      chrome.tabs.query({'active': true},
function(tab) {
            var currentUrl= tab[0].url;
            var
convert=encodeURIComponent(currentUrl);
            var
url="http://www.diffbot.com/api/article?token
=6994408efe8d9463b148ded50a75e2dd&url="+conve
rt;
            var
jsonUrl="http://agila.upm.edu.ph/~jmmarquez/b
ookmark-sp1/view-readable-
page.php?jsonurl="+convert;

      window.open(jsonUrl,"_blank");
            window.focus();
      });
}

function saveOfflinePage(){
      chrome.tabs.query({'active': true},
function(tab) {
            var currentUrl= tab[0].url;

            var
convert=encodeURIComponent(currentUrl);
            var
url="http://www.diffbot.com/api/article?token
=6994408efe8d9463b148ded50a75e2dd&url="+conve
rt;

            var jqxhr = $.ajax({
                  type: "GET",
                  url: url,
                  async: false
            })
            .done(function(data) {

            if(data!=null){

      localStorage.setItem("readablePageTry
", JSON.stringify(data));
                  alert("Readable
version saved for offline view! See options
page.");
            }

            })
            .fail(function()
{ alert("error"); })
```

```
                    .always(function()                                    color: #fff;
{ //alert("finished");
                    });                                            }
          });
                                                          #message a{
}                                                                 color: #15b7a6;
                                                                  text-decoration: underline;
```

C. CSS files
extension.css

```
body{                                                     }
      background: #ececec;
}                                                         #message a:hover{
                                                                  color: #77a8c0;
#importButton:hover,#shareButton:hover,                   }
#saveOfflinePage:hover,#readable:hover,
#addNoteButton:hover,#addBookmarkButton:hover             #messageContainer{
,                                                                 border-bottom: 4px #04949f solid;
#annotate:hover                                                   border-top: 4px #04949f solid;
{                                                         }
      background: #43504f;
}                                                         .noteDiv{
                                                                  border: 2px #04949f solid;
#importButton{                                            }
      background: #15b7a6;
}

#shareButton, #annotate{
      background: #77a8c0;
}

#saveOfflinePage{
      background: #50729f;
}

#readable{
      background: #04949f;
}

#addNoteButton{
      background: #006ac1;
}

#addBookmarkButton{
      background: #485773;
}

#iconContainer,#messageContainer{
      background: #2d2b2b;
}


#titleContainer h3{
      color: #ffffff;
      text-align:left;
      padding-left: 8px;
      padding-top: 6px;
}

#titleContainer{
      height:35px;
      width:340px;
      background: #2d2b2b;
      border-bottom: 4px #04949f solid;
}

.reminder{
      color: #50729f;
      font-size: 80%;
      font-style: italic;
}

label{
      font-weight: bold;
      font-size: 90%;
}

#message{
```

XI. ACKNOWLEDGMENTS

Finally, I come to the end of my student life. I never thought that it would take me this long though (haha) but at last I'm here. Through every challenges that I met in this journey (and in all the hardships in this thesis writing haha), there are always people there to back me up. These people inspire me to go on even on the worst cases… For that, I am really grateful.

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To Comsci Dose '08: What? You know I love you. haha

To Carlos Lising: Hey you. Thanks for keeping up with me even through all the stress and drama. Thank you for the all support and the help you gave. You always assure me that everything would be alright. And it did. >:D<

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