

UNIVERSITY OF THE PHILIPPINES MANILA
COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF PHYSICAL SCIENCES AND MATHEMATICS

INTEGRATED FOOD AND WATERBORNE DISEASES
GEOGRAPHIC INFORMATION SYSTEM (IFGIS)

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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Abstract

The issue on food and waterborne diseases is a large and spreading global public health problem. An integrated food chain surveillance system was suggested by the WHO to monitor food and waterborne disease, integrated with food monitoring data along the entire food chain; food, animals, humans. By monitoring animals, food, and humans, the burden of disease could be easily attributed to specific food categories. By integrating other institutions from the Department of Health and Department of Agriculture under one information system, monitoring of the different food sources for the presence of microbial agents is easily achieved. Major public health priorities are identified. Moreover, it allows easy identification of the cause by providing etiology-specific outputs. Using a GIS to plot cases of microbial agents of food and waterborne diseases together with data on different food sources, gives health workers and the public a much clearer understanding of the possible causes of the disease. Patterns and trends would be easier to see in a GIS, highlighting health priorities and speeding up policy making.

Keywords: food and waterborne diseases, integrated food chain surveillance, food safety

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I. Introduction

A. Background of the Study

Food and waterborne diseases are diseases of viral, parasitic, fungal and bacterial in nature, acquired through the ingestion of contaminated food or drinking water. Among these microorganisms, diseases of bacterial in nature are more common, like cholera and typhoid fever. These two diseases had been the cause of major outbreaks in the Philippines. The Department of Healths (DOH) Food and Waterborne Diseases Prevention and Control Programs approach to control and prevention focuses on public health awareness on food safety and enhancement of treatment guidelines [1].

Inadequate sanitation continues to threaten the environment and health of Filipinos. Twenty-five Filipinos die of diarrhea every day and sanitation-related epidemics have broken out over the last few years in low income communities. The countrys economy lose about Php 67 billion annually in preventable healthcare expenses [2].

The issue on food and waterborne diseases is a large and spreading global public health problem which can be attributed to the following reasons: globalization of food supply, travel, and migration. As per resolution WHA 53.15, the Fifty-third World Health Assembly requested the World Health Organization (WHO) Director-General to put in place a global strategy for surveillance of foodborne diseases and initiate other activities for food safety and health. Hence, an integrated food chain surveillance system was suggested by the WHO. An integrated food chain surveillance system monitors food and waterborne disease, integrated with food monitoring data along the entire food chain; food, animals, humans. By monitoring animals, food, and humans, the burden of disease could be easily attributed to specific food categories. It is the collection, analysis, and interpretation of data from animals, food, and humans. However, resources needed to commence this type of surveillance are complex and with associated high cost,

and so the WHO encourages countries to at least opt for the next best category laboratory-based surveillance system. The Antimicrobial Resistance Surveillance Program under the DOH is the only laboratory-based surveillance system in the Philippines that regularly perform tests for Salmonella and other bacterial agents from human specimens [3].

Current surveillance of cases on different diseases is done by health workers in a hierarchical order. Cases from the community is gathered weekly by barangay health workers (BHW) in Barangay Health Stations (BHS). Data collected by the BHW is submitted to the Municipal Epidemiology and Surveillance Units (MESU) / City Epidemiology and Surveillance Units and received by the municipal/city health officer, who verifies the received data and also adds cases from municipal or city hospitals and clinics. Data from the MESU/CESU is sent to the Provincial Epidemiology and Surveillance Units (PESU). Cases from provincial hospitals and clinics are added by the provincial health officers and then passed to the National Epidemiology Center (NEC) which inputs them to the Philippine Integrated Disease Surveillance and Response (PIDSR), an information system serving as the database of 22 diseases in the country, including some food and waterborne diseases such as Cholera and Typhoid Fever [4].

B. Statement of the Problem

Although the actual implementation of an integrated food chain surveillance might seem impractical, the development of an information system based from its concept is feasible. As of now, there is no existing national integrated food chain surveillance. Laboratory-based surveillance systems in the Department of Health (DOH) and the Department of Agriculture (DA) exist but data are analyzed independently of each other without attributing food and waterborne diseases to specific food categories [3]. An integrated geographic information system showing surveillance of animals, food, and humans for microbial agents geographically, with users from different institutions for the different data of food sources, will

incredibly aid in an efficient surveillance system.

Although there are existing information systems like the Philippine Integrated Disease Surveillance and Response (PIDSRS) being used by the DOH for surveillance, it only focuses on common notifiable diseases and limited people have access to it. The PIDSRS is a stand-alone information system deployed only in the machine and workstations of certain users including only the National Epidemiology Center and Regional Epidemiology and Surveillance Units. Lower level health workers still collect and send their data manually.

Also, to help spread awareness on these diseases, a system should be made available to the public.

C. Objectives of the Study

The objective of this study is to develop a web-based geographic information system on cases of microbial agents of food and waterborne diseases from humans and from various food sources namely: processed food samples, animal samples, meat samples, seafood samples, fruit and vegetable samples, dairy samples and water samples. It will enable multiple users coming from different institutions to manage data within their respective fields. Specifically, each user will have the following privileges:

1. Healthworkers:

- (a) Barangay Health Workers (BHW) can:

- i. Add/Edit patients with microbial agents of food and waterborne diseases from their designated community for approval.
 - ii. View patients with microbial agents of food and waterborne diseases from their designated community.

- (b) Municipal Health Workers (MHW) / City Health Workers (CHW) can:

- i. Add/Edit patients with microbial agents of food and waterborne diseases from municipal / city hospitals and clinics for approval.

- ii. View patients with microbial agents of food and waterborne diseases from municipal / city hospitals and clinics.
 - iii. Review and approve data submitted by the BHW.
 - iv. Approve user account requests of BHWs.
- (c) Provincial Health Workers (PHW) can:
- i. Add/Edit patients with microbial agents of food and waterborne diseases from provincial hospitals and clinics for approval.
 - ii. View patients with microbial agents of food and waterborne diseases from provincial hospitals and clinics.
 - iii. Review and approve data submitted by the MHW / CHW.
 - iv. Approve user account requests of MHWs / CHWs.
2. Other participating institutions under the Department of Health (DOH) and the Department of Agriculture (DA):
- (a) Food and Drugs Administration (FDA) user can:
- i. Add / Edit / View processed food samples for approval.
- (b) Bureau of Animal Industry (BAI) user can:
- i. Add / Edit / View animal samples for approval.
- (c) National Meat Inspection Service (NMIS) user can:
- i. Add / Edit / View meat samples for approval.
- (d) Bureau of Fisheries and Aquatic Resources (BFAR) user can:
- i. Add / Edit / View seafood samples for approval.
- (e) Bureau of Plant Industry (BPI) user can:
- i. Add / Edit / View fruit and vegetable samples for approval.
- (f) National Dairy Authority (NDA) user can:
- i. Add / Edit / View dairy samples for approval.
- (g) National Reference Laboratory for Water (NRL) user can:

- i. Add / Edit / View water samples for approval.
3. National Epidemiology Center (NEC) user can:
 - i. Review and approve for posting the data submitted by the PHW and other participating institutions under the Department of Health (DOH) and the Department of Agriculture (DA).
 - ii. Approve user account requests of PHWs and other participating institutions under DOH and DA.
4. Guests / Healthworkers / Users from institutions under DOH and DA / NEC user can:
 - i. View map with markers of cases of microbial agents of food and waterborne disease according to visualization level (regional, provincial, municipal, barangay), source (human cases, processed food samples, animal samples, meat samples, seafood samples, fruit and vegetable samples, dairy samples, water samples), age group (for human cases only), sex (for human cases only), and microorganisms.
 - ii. View charts of Monthly Incident Rate and Incident Rate by Region of microbial agents food and waterborne diseases.
 - iii. Participate in forum (requires login).
 - iv. File a complain for a food source.
 - v. Create an account for approval by the respective supervisor.

D. Significance of the Project

An integrated surveillance system enables health workers and other institutions under DOH and DA to associate the microbial agent to a specific food source. By integrating other institutions from the Department of Health and Department of Agriculture under one information system, monitoring of the different food

sources for the presence of microbial agents is easily achieved. Major public health priorities are identified. Moreover, it allows easy identification of the cause by providing etiology-specific outputs [3]. The presence of microbial agents in food sources affects the incidence of food and waterborne diseases in a location.

The prevention and control of these diseases requires not only the appropriate surveillance data alone, but an effective visual representation of the surveillance. Using a GIS to plot cases of microbial agents of food and waterborne diseases together with data on different food sources, gives health workers and the public a much clearer understanding of the possible causes of the disease. Patterns and trends would be easier to see in a GIS, highlighting health priorities and speeding up policy making.

The system would greatly promote awareness on food and waterborne diseases especially because it would be available to the public. Guests can view summary reports, and use the map to see cases of diseases near them. They may also view the forum with health workers and other public users. Threads in the forum will be for exchange of information and expertise on food and waterborne diseases and environmental indicators.

E. Scope and Limitations

1. The system will be etiology-specific. It will be respective of the microbial agent and not the symptoms and disease names.
2. Only summary of the result of microbial tests are captured by the forms.
3. Raw records of the different sources (human cases, processed food samples, animal samples, meat samples, seafood samples, fruit and vegetable samples, dairy samples, and water samples) won't be viewable by guests.
4. Further analysis of the data presented by the system is left to the user.
5. Other environmental causes of these microbial agents will not be included in the system (e.g., pollution, chemical leaks).

F. Assumptions

1. Health workers collect and report data on diseases monthly as mandated by law. Similarly, participating institutions collect and sample food source establishments monthly.
2. The user is connected to the internet.

II. Review of Related Literature

Only a few developing countries have implemented a foodborne pathogen surveillance system that integrates data from humans, foods, and animals. In Mexico, a 4-state integrated food chain surveillance system for *Salmonella* spp. was implemented. The implementation resulted in the following findings: 1) high rates of meat contamination, 2) high rates of ceftriaxone-resistant *S. Typhimurium* in chicken, ill persons and swine, and 3) the emergence of ciprofloxacin resistance in *S. Heidelberg* and *S. Typhimurium* from swine. Also using Pearson correlation coefficient, they found a strong correlation (Pearson $r = 0.91$, $p < 0.001$) between *Salmonella* spp. contamination in beef and asymptomatic *Salmonella* spp. infection in humans, but only in the state with the lowest poverty level. The study concluded that an integrated food chain surveillance is technically and economically feasible even for developing countries, and can efficiently identify major public health priorities [5].

In the U.S., the Centers for Disease Control and Prevention (CDC) have three surveillance systems to capture the epidemiology of foodborne diseases, namely, PulseNet (laboratory isolation of pathogens), FoodNet (sentinel community studies), and the National Outbreak Reporting System (NORS). NORS is a web-based platform that hosts reporting of waterborne, foodborne, enteric person-to-person, and animal contact-associated disease outbreaks to CDC [6].

In 2016, a study was conducted to evaluate the economic impacts of the surveillance system PulseNet - a molecular subtyping network of public health and food regulatory agency laboratories designed to identify and facilitate investigation of foodborne illness outbreaks. Economic impacts such as medical and program costs and productivity losses are attributed to the existence of PulseNet. The surveillance system allows the identification of food safety risks by detecting widespread or non-focal outbreaks, thereby providing stakeholders information for well-informed decisions and a powerful incentive for industry [7].

The Foodborne Disease Burden Epidemiology Reference Group (FERG) was

created in 2007 by the World Health Organization to establish a framework to estimate the global burden of foodborne diseases. Using Disability-Adjusted Life Years, the burden of 31 foodborne diseases were quantified. Computations were performed in R and the different functions used were compiled under the package 'FERG'. Hence, a comprehensive framework for estimating the global burden of foodborne diseases is now made available and can be implemented at the local level [8].

In the country, surveillance on food and waterborne diseases is done through the Philippine Integrated Disease Surveillance and Response (PIDSR), but data on diseases continue to remain sparse. Lopez, A., Macasaet, L., Ylade, M., Tayag, E., and Ali, M., stated that despite being a cholera-endemic country, data on cholera remain sparse. Using sentinel surveillance data, they assessed the epidemiology of cholera and assessed the role of water, sanitation and population density using spatial log regression. They found out that poor access to improved sanitation was consistently associated with higher cholera incidence. However, access to improved water sources was also associated with higher cholera incidence. This may have been due to the breakdown in the infrastructure and non-chlorination of water supplies, hence, emphasizing the importance of maintaining water systems [9].

Similarly, a study on cholera and its factors was conducted by Anamzui-ya J. (2012) in Kumasi, Ghana, using spatial analysis and mapping techniques. Using these analyses, better interpretation and even prediction could be properly done. He considered refuse dumps and water reservoirs to measure the sanitation of an urban city, which is deemed to be a key environmental factor to cholera infection [10].

There have been several information systems that integrate data on diseases together with environmental factors that may cause it.

In a study by Yomwan, Cao, Rakwatin, and Apaphant, spatial information technology and quantitative microbial risk assessment (QMRA) model were used to analyze the risk for infectious disease outbreaks, specifically the risk of diarrheal

disease in flood disasters in Ayutthaya province, Thailand. The study showed that the strong relationship between the rate of diarrhea patients and flood parameters helps assess the possibility of diarrhea outbreaks [11].

In a study by Akil, L., and Ahmad, A., Salmonella infections in Mississippi were modeled using neural network and geographical information system. Data from the Centers for Disease Control and Prevention (CDC), and MS State Department of Health were collected and studied to determine the correlation between low socioeconomic status and Salmonella infections. Through regression analysis and neural network models, a moderate correlation between cases of Salmonella infections and low socioeconomic status was observed. The study concluded that geographic location and socioeconomic status contributes to high rates of Salmonella in Mississippi [12].

Schistosomiasis, a type of waterborne disease, is dependent on the presence of intermediate host snails. The Schistosomiasis Snail Surveillance and Human Prevalence Geographic Information System is a web application that integrates cases of schistosomiasis and snails sample sites information. It allows the users to store and retrieve snail sample information. A map is shown displaying a layer of markers indicating snail sites and a layer of polygons indicating prevalence of the disease in humans [13].

Other disease surveillance and response information systems were implemented to help in the prevention and control of major health risks.

The Vector-Borne Disease Monitoring System (VBDMS) is a monitoring information system with the aid of geographic information system which assists in identifying barangays with cases of certain vector-borne disease such as dengue, chikungunya, and malaria, and notifies health officials for proper action plan. The data collection is done in a hierarchical order, starting from the barangay level up to the provincial level [14].

The Greater Mekong sub-region is a geological region spanning territories located in the Mekong River basin, such as, Cambodia, Laos, Myanmar, Thailand,

Vietnam, and the Yunnan Province of China. Because infectious diseases frequently occur in the region, a Web-based disease control and emergency response system was designed and implemented by Zhang, Qi, and Jiang, from the Chinese Academy of Sciences. The system which is built under the China Next Generation Internet (CNGI) environment has a WebGIS software system, consisting of the service side: the database, the WebGIS web service, and a web portal; and the client side, composed solely of a web browser. Aside from letting the users view the disease distribution on the map, the system also offers functionalities such as public health and disease information browsing, epidemic reporting, and emergency commanding [15].

A study by Qureshi, Keyani, Babar, and Mumtaz from Pakistan, used GIS technology to spatially plot patients for a disease. The data they used was from Jaroka Telehealthcare System (JTHS), a pre-existing healthcare system in Pakistan. The system is different from other studies in the sense that it utilizes mobile phone based crowd-sourcing to register patients and enable healthcare specialists to monitor the spread of diseases [16].

Yigzaw K., developed the Snow Integrated Communicable Disease Prediction Service, an integrated infectious disease prediction service in Norway, which predicts and visualizes prediction results in time and space. The datasets were applied to a SIR(S) model and a Bayesian model. The framework speeds up mathematical modeling through its integrated environment and thus, it improves the overall prediction accuracy and maximizes the benefits from prediction [17].

The Disease Outbreak Detection System is a web-based system that provides analysis of a certain disease outbreak and prediction values for a specific time interval. It uses time series analysis, specifically, the Autoregressive Moving Averages (ARMA) model in R to generate values based on the present condition of the outbreak. It is a useful tool for the assessment of the patterns in a disease and may help health personnel and epidemiologists to control the outbreak [18].

People have been using data visualization tools such as charts and maps in

order to understand and interpret information more easily. Using these tools, finding relevance among multiple variables, visually displaying analytical outputs, and even forecasting the future could be conveniently accomplished. Throughout the years, there have been many studies and projects that utilized data visualization tools.

In the VAST 2011: Mini Challenge, commercial visual analysis tools were found to be successful in identifying an outbreaks origin and pattern of dispersion. Analysts concluded that the benefits of visual analysis are significant enough to be included in commercial software. Maps allow quick interpretations and reveal inconspicuous patterns about a data, especially when it includes one or two key analytic features. A time series of maps can provide even greater understanding of a phenomenon and is helpful in situations such as an epidemic, to direct resources to the most needed locations [19].

III. Theoretical Framework

A. Food and Waterborne Diseases

Food and waterborne diseases (FWBD) are any illness brought by ingestion of food and water contaminated pathogenic microorganisms. The microorganisms that contaminates food and water varies from a wide range of bacteria, viruses, parasites and fungi [20].

These diseases induce gastrointestinal symptoms such as abdominal pain, nausea, vomiting and diarrhea. Foodborne and waterborne illnesses tend to be most severe in the young and elderly, those with weakened immune system, those with chronic diseases, and pregnant women [21].

B. Etiologic Agents

Etiologic Agent	Clinical Symptoms	Mode of Contamination	Specimens to be Tested
1. <i>Salmonella</i> spp.	Diarrhea, fever, abdominal pain lasting several days	Infected food source, animals, human feces	Feces, blood, and incriminated blood
2. <i>Shigella</i> spp.	Abdominal pain, bloody and mucoid diarrhea, fever	Human fecal contamination, direct or via water	Feces, rectal swabs and incriminated food
3. Diarrheagenic <i>E. coli</i>	Watery, bloody diarrhea	Infected cattle	Feces, incriminated food and water
3.1 Enterohemorrhagic <i>E. coli</i>	Watery bloody diarrhea, abdominal cramps, fever	Human fecal contamination, direct or via water	Feces, incriminated food and water

3.2 Enteroinvasive <i>E. coli</i>	Diarrhea, fever, and abdominal cramps	Human fecal contamina- tion, direct or via water	Feces, in- criminated food and water
3.3 Enteropathogenic <i>E. coli</i>	Diarrhea, fever, and abdominal cramps	Human fecal contamina- tion, direct or via water	Feces, in- criminated food and water
3.4 Enterotoxigenic <i>E. coli</i>	Profuse watery diarrhea, cramps, vomiting	Human fecal contamina- tion, direct or via water	Feces, in- criminated food and water
4. <i>Yersinia enterocolitica</i>	Diarrhea, pains, mimicking appearance of appen- dicitis, fever, vomiting	Infected animals especially swine, con- taminated water	Feces, rectal swabs and incriminated food
5. <i>Vibrio parahaemolyticus</i>	Diarrhea, cramps, nausea, vomiting, fever, headache	Marine coastal environment	Feces, rectal swabs and incriminated food
6. <i>Vibrio cholerae</i>	Profuse, wa- tery stools, vomiting, dehydra- tion, fatal if untreated	Human feces in marine environment	Feces, rectal swabs and incriminated food
7. <i>Aeromonas spp.</i>	Watery stools, ab- dominal cramps, mild fever, vomiting	Seafoods, snails, drinking water	Feces, rectal swabs and incriminated food
8. <i>Campylobacter spp.</i>	Diarrhea, cramps, nausea, vomiting, fever, headache	Marine coastal environment	Feces, rectal swabs and incriminated food

9. <i>Staphylococcus aureus</i>	Nausea, vomiting, diarrhea, cramps	Handlers withcolds, sore throats or infected cuts, food slicers	Vomitus, feces, and incriminated food
10. <i>Streptococcus</i> Group A	Sore throat, erysipelas, scarlet fever	Fever, pharyngitis, scarlet fever, upper respiratory infection	Throat swab
11. <i>Listeria monocytogenes</i>	Meningoencephalitis, still births, septicemia or meningitis in newborns	Soil or infected animals, directly or via manure	Blood, implicated food
12. <i>Brucella</i> spp.	Weakness, fever, headache, sweats, chills, arthralgia, weight loss, and splenomegaly	Ingestion of contaminated animal products	Blood, implicated food
13. <i>Bacillus cereus</i>	Diarrhea, cramps, nausea, and vomiting	From soil or dust	Feces, rectal swabs and incriminated food
14. <i>Clostridium perfringens</i>	Diarrhea, cramps, nausea, and vomiting	Soil, raw foods	Feces, rectal swabs and incriminated food
15. <i>Clostridium botulinum</i>	Fatigue, weakness, constipation, double vision, slurred speech, respiratory failure, sometimes death	Types A, B: from soil or dust; Type E: water and sediments	Serum, feces, post-mortem organs and incriminated food

C. Disease Surveillance

Data on cases of food and waterborne diseases are collected by health workers in a hierarchical order and sent to the National Epidemiology Center (NEC).

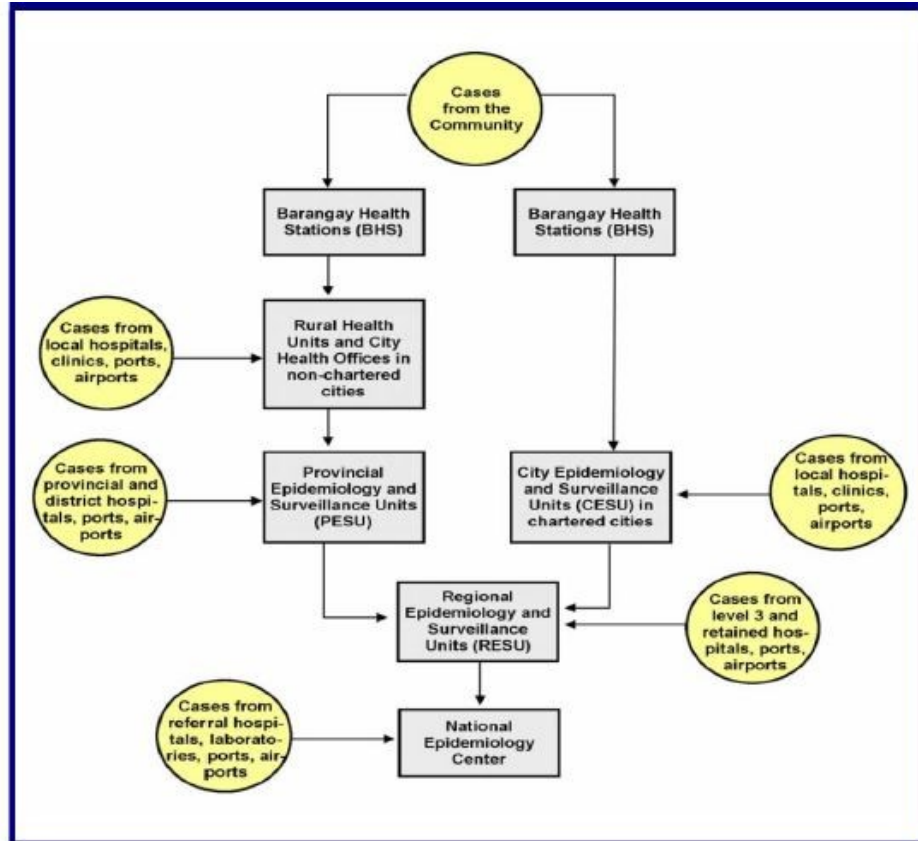


Figure 1: Flow of Reporting of Notifiable Diseases [4]

Barangay health workers from each Barangay Health Station (BHS) gathers cases of the disease monthly and then sends them to the Municipal Epidemiology Surveillance Unit (MESU) / City Epidemiology Surveillance Unit (CESU) for approval. The health officers from MESU/CESU, reviews and approves the received data and may opt to add cases from city/municipal hospitals not under Barangay Health Stations and clinics before sending it to the Provincial Epidemiology and Surveillance Unit (PESU). The health officers from PESU, reviews and approves the data and sends it to the NEC for final aggregation of data and further analysis.

D. Integrated Food Chain Surveillance

There are four categories of surveillance systems according to their capacity to generate information on foodborne diseases: no surveillance, syndromic surveillance, laboratory-based surveillance, and an integrated food chain surveillance [3].

Integrated food chain surveillance (IFCS) is the collection, analysis, and interpretation of data from animals, food, and humans. An IFCS provides etiology-specific outputs including subtypes and information on reservoirs. This type of surveillance system contributes the most to burden of disease estimates and risk analysis. It allows association of the burden of disease to specific food categories through the use of detailed information from monitoring food and animals. Burden of disease refers to the impact of a health condition measured using disability-adjusted-life-year (DALY) or the years lost due to the disease [22].

An integrated food chain surveillance integrates data from human specimen, processed foods, and unprocessed foods. It requires the participation of other government institutions in charge of the needed corresponding data on food sources.

Data on cases of food and waterborne diseases are collected by health workers in a hierarchical order and sent to the National Epidemiology Center for final aggregation of data and further analysis.

For processed foods, the Food and Drug Administration (formerly Bureau of Food and Drugs Administration) under the Department of Health, conducts tests on processed foods from manufacturers for microbial contamination. Reports on these tests are submitted to the NEC. For unprocessed foods, different institutions under the Department of Agriculture (DA), conduct tests and inspections according to the food category. The Bureau of Animal Industry (BAI) collects samples of animal feed and feed ingredients, feces, cloacal swabs or tissues from large scale animal producers. The National Meat Inspection Service (NMIS) collects specimens from accredited meat establishments to test for microbial agents. For seafood, the Bureau of Fisheries and Aquatic Resources (BFAR) gathers samples from processing plants and fish-landing areas. The National Dairy Authority

(NDA) collects raw milk specimens and performs microbiological tests on it. Samples of fresh fruits and vegetables from vegetable-growing areas are collected by the Bureau of Plant Industries (BPI). On water supply, the National Reference Laboratory for water conducts examination on water samples. All the results of these tests are sent to the NEC for further analysis and the appropriate response [3].

E. Geographic Information System (GIS)

Geographic Information System (GIS) is a system that integrates geographical features with tabular data in order to represent, analyze, and evaluate real-world problems. It is different from other information systems because the data being managed in a GIS is of geographic or spatial data. Data from various resources are projected into a common map based on a common geographic location [23]. These representations helps users visualize the data leading to a better assessment of information and a well-thought-out decision process.

F. Geocoding

Geocoding is the process of converting a description of a location through addresses (like 1600 Amphitheatre Parkway, Mountain View, CA) into geographic coordinates from spatial reference (like lat. 37.42302, long. -122.083739), which one can use to place markers on a map. Reverse geocoding on the other hand, is the process of converting geographic coordinates into human-readable address. In Google Maps Geocoding API, these services are directly accessible via an HTTP request [24].

IV. Design and Implementation

A. Use Case Diagram

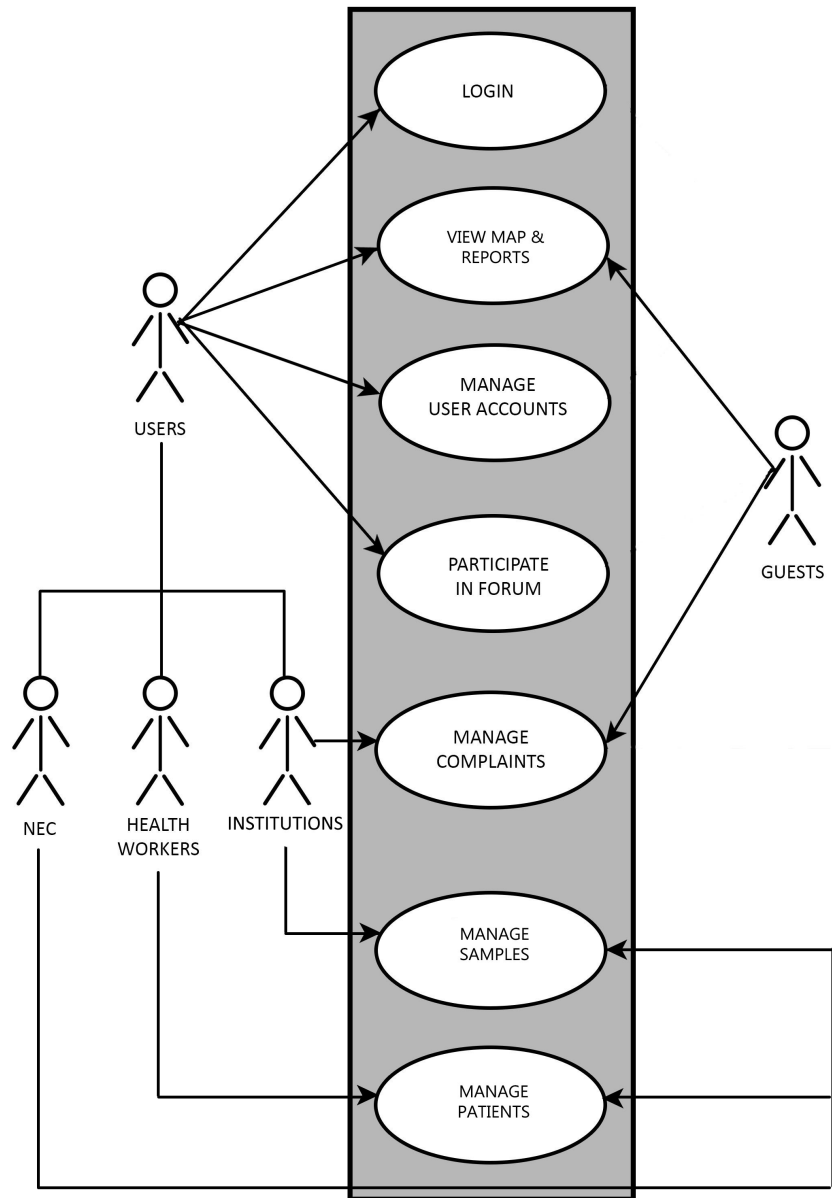


Figure 2: Top Level Use Case Diagram

Figure 2 presents the top level use case diagram of the system. The use case diagram has four actors, namely, NEC, health workers, institutions, and guests. All actors except guests, requires login to the system.

Users of the system, including the NEC, health workers and other institutions, together with guests can view map and reports. The forum can only be viewed by

the guests as it requires login in order to post and participate in the discussions.

The Health workers can manage patient data, while users from other institutions can manage sample data and manage complaints from guests. NEC user can manage disease data and manage sample data.

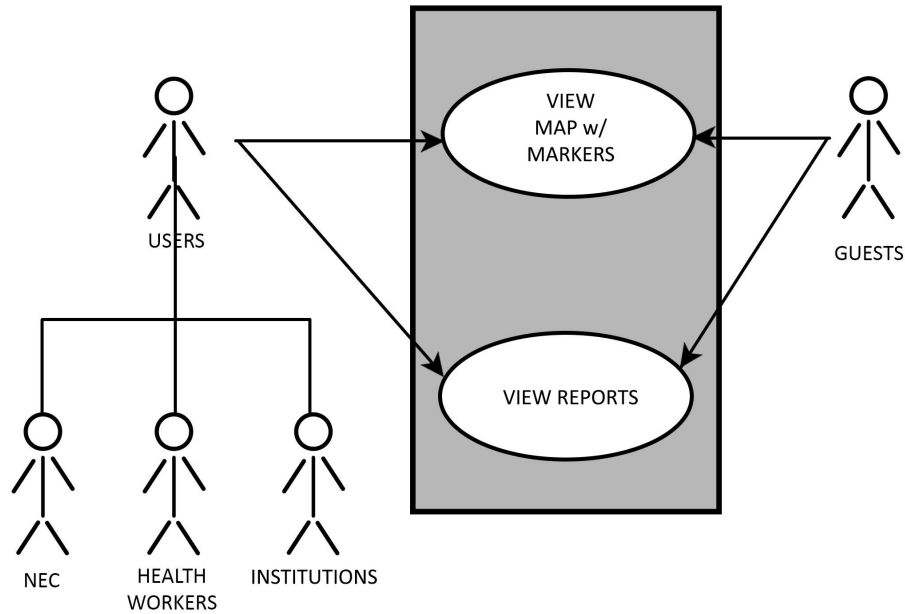


Figure 3: View Map & View Reports Subsystem Use Case Diagram

Figure 3 shows the use case diagram of the View Map & View Reports Subsystem. All users of the system including guests, can view the map and view reports published in the system. Additionally, details available on the map, can also be viewed by the said users.

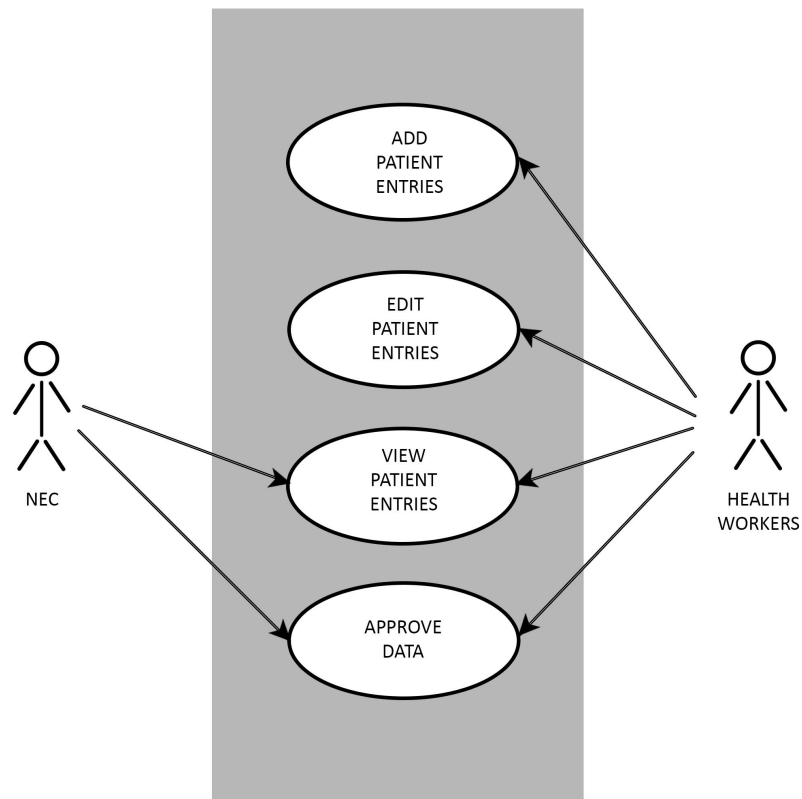


Figure 4: Manage Patient Data Subsystem Use Case Diagram

Figure 4 shows the use case diagram for managing patient data. The health worker assigned of the data can add, edit, and view patient entries. The higher-level health worker approves data submitted by the lower-level health worker. The NEC user can view the disease data and approve data to incorporate to the system.

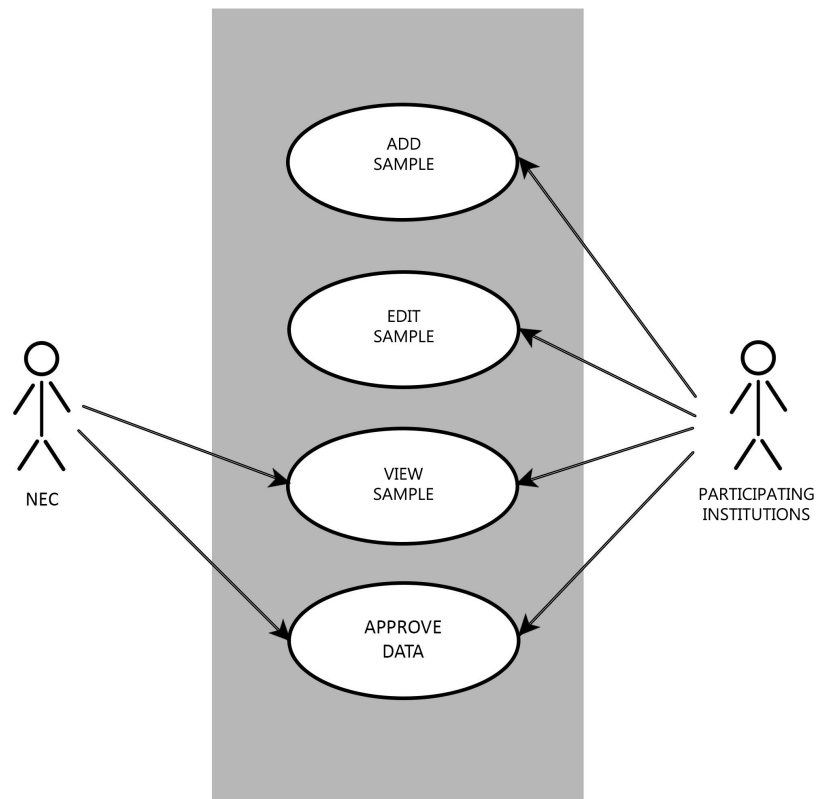


Figure 5: Manage Samples Subsystem Use Case Diagram

Figure 5 shows the use case diagram for managing samples. The users from the participating institutions assigned of the data can add, edit, and view sample entries. The NEC user can view the samples and accordingly approve the samples to incorporate it to the system.

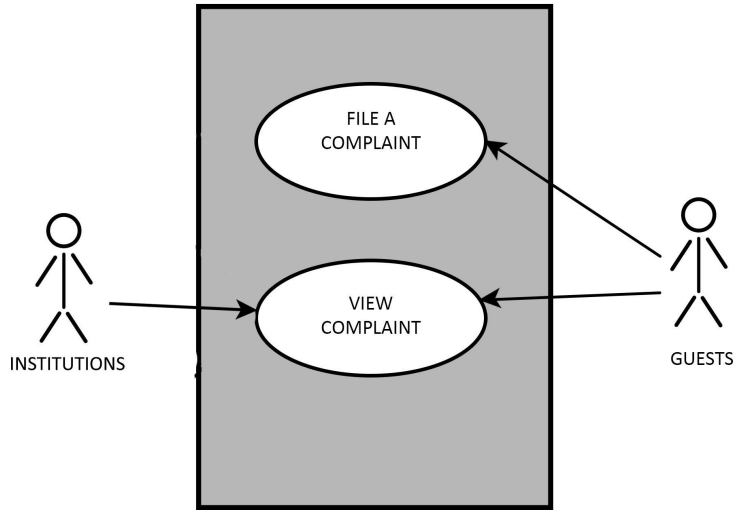


Figure 6: Manage Complaints Subsystem Use Case Diagram

In Figure 6, the use case diagram for managing complaints is presented. Guests can file a complaint and view the complaint they submitted. The institutions in-charge of the establishments can view the complaints.

B. Entity Relationship Diagram

Figure 8 displays an entity relationship diagram of the Integrated Food and Waterborne Disease GIS. The user may be a healthworker who manages data of patients. A healthworker user can have one or many patients. A patient can have many patient attributes. The *patient_attribute* table handles patient fields that are not practical to put as columns in a table, and rather are captured as individual records with the *type* column as the reference to the *patient_attribute_type_ID*, and the *value* column as the value of the field. The *patient_attribute_type* table contains the fields corresponding to the values in the *patient_attribute*.

Similarly, the user may be from the participating institutions who manages data of samples. The user can have one or many sample entries. A sample en-

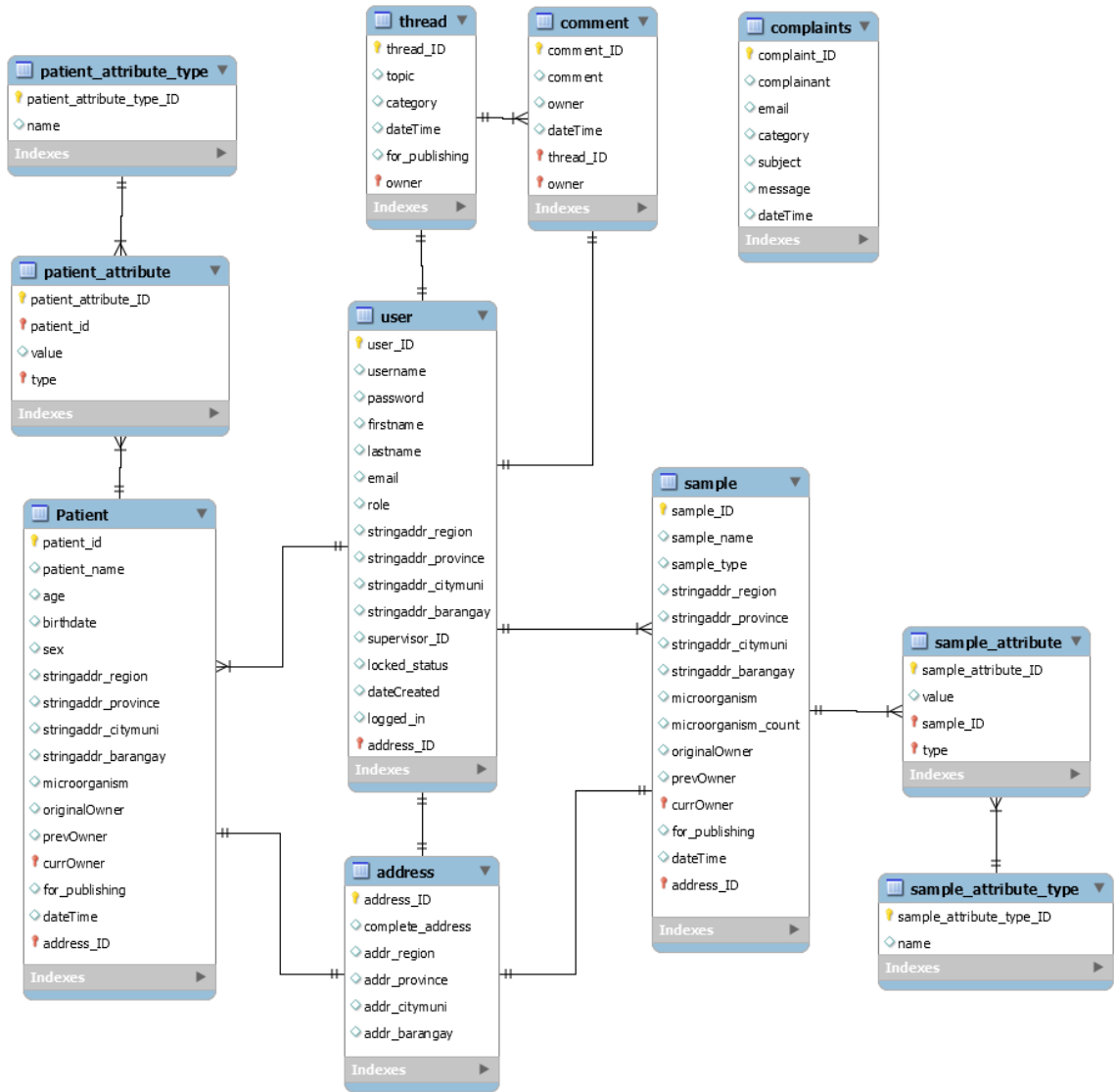


Figure 7: IFGIS Entity Relationship Diagram

try can have many sample attributes. The *sample_attribute* table handles sample fields that are not practical to put as columns in a table, and rather are captured as individual records with the *type* column as the reference to the *sample_attribute_type_ID*, and the *value* column as the value of the field. The *sample_attribute_type* table contains the fields corresponding to the values in the *sample_attribute*.

The *address* table contains the Philippine Standard Geographic Code (PSGC) geocode equivalents and complete string address of the addresses of a patient, a sample, or a user.

An entry in the *thread* table corresponds to a forum entry. Each thread can

have many comments.

The *complaints* table captures basic details of a complaint entry. It stores the complainant’s name, the complainant’s e-mail address, the category of the complaint (which will decide the user-in-charge), the subject, and the message itself.

C. Data Dictionary

Field	Type	Description
user_ID	int(5); PK	Unique identifier of the user
username	varchar(20)	Username used to log in
password	varchar(50)	Password used to log in
firstname	varchar(20)	First name of the user
lastname	varchar(20)	Last name of the user
email	varchar(50)	E-mail address of the user
role	varchar(20)	Role/institution of the user
supervisor_ID	int(5)	Unique identifier of the user’s supervisor
locked_status	enum(“yes”, “no”)	Status of the user’s account
dateCreated	datetime	Date & time the user’s account was created
logged_in	enum(“yes”, “no”)	Logged in status of the user’s account
address_ID	int(5)	Unique identifier of the user’s address

Table 1: User table

User table stores information of the registered users (health workers, institutions, NEC) of the system.

Field	Type	Description
patient_ID	int(5); PK	Unique identifier of the patient
patient_name	varchar(50)	Name of the patient
age	int(2)	Age of the patient
birthdate	datetime	Birth date of the patient
sex	enum("male, female")	Sex of the patient
microorganism	varchar(100)	Microorganism found positive in the patient
originalOwner	int(5)	Unique identifier of the original owner of the patient
prevOwner	int(5)	Unique identifier of the previously assigned user of the patient
currOwner	int(5)	Unique identifier of the currently assigned user of the patient
for_publishing	tinyint(1)	Denotes if the patient is already published in the system
dateTime	datetime	Date & time the patient was added to the database
address_ID	int(5); FK	Unique identifier of the patient's address

Table 2: Patient table

Patient table stores all patients found positive with microbial agent of food and waterborne diseases

Field	Type	Description
patient_attribute_ID	int(5); PK	Unique identifier of the patient attribute
patient_ID	int(5); FK	Unique identifier of the patient
value	varchar(100)	Value of the patient attribute field
type	int(5); FK	Unique identifier of the patient attribute type

Table 3: Patient_attribute table

Patient_attribute table handles patient fields that are not practical to put

as columns in a table. **Patient_attribute_type** table contains the fields corresponding to the values in the patient_attribute.

Field	Type	Description
patient_attribute_type_ID	int(5); PK	Unique identifier of the patient attribute type
name	varchar(50)	Name of the patient attribute type field

Table 4: Patient_attribute_type table

Field	Type	Description
sample_ID	int(5); PK	Unique identifier of the sample
sample_name	varchar(50)	Name of the sample
sample_type	varchar(50)	Type of the sample
microorganism	varchar(100)	Microorganism found positive in the sample
count	int(4)	Microorganism count
originalOwner	int(5)	Unique identifier of the original owner of the sample
prevOwner	int(5)	Unique identifier of the previously assigned user of the sample
currOwner	int(5)	Unique identifier of the currently assigned user of the sample
for_publishing	tinyint(1)	Denotes if the sample is already published in the system
dateTime	datetime	Date & time the sample was added to the database
address_ID	int(5); FK	Unique identifier of the address where the sample was collected

Table 5: Sample table

Sample table stores all samples found positive with microbial agent of food and waterborne diseases

Field	Type	Description
sample_attribute_type_ID	int(5); PK	Unique identifier of the sample attribute type
name	varchar(50)	Name of the sample attribute type field

Table 6: Sample_attribute_type table

Field	Type	Description
sample_attribute_ID	int(5); PK	Unique identifier of the sample attribute
sample_ID	int(5); FK	Unique identifier of the sample
value	varchar(100)	Value of the sample attribute field
type	int(5); FK	Unique identifier of the sample attribute type

Table 7: Sample_attribute table

Sample_attribute table handles sample fields that are not practical to put as columns in a table, and rather are captured as individual records. **Sample_attribute_type** table contains the fields corresponding to the values in the sample_attribute.

Field	Type	Description
address_ID	int(5); PK	Unique identifier of the address
complete_address	varchar(100)	Complete string address
addr_region	int(9)	Geocode equivalent of the address region
addr_province	int(9)	Geocode equivalent of the address province
addr_citymuni	int(9)	Geocode equivalent of the address city/municipality
addr_barangay	int(9)	Geocode equivalent of the address barangay

Table 8: Address table

Field	Type	Description
thread_ID	int(5); PK	Unique identifier of the thread
topic	varchar(50)	Topic of the thread
category	varchar(50)	Category of the thread
dateTime	datetime	Date & time the thread was posted to the system
for_publishing	tinyint(1)	Denotes if thread has been published to the system
owner	int(5)	Unique identifier of the user who created the thread

Table 9: Thread table

Field	Type	Description
comment_ID	int(5); PK	Unique identifier of the comment
comment	varchar(100)	Comment on a thread
dateTime	datetime	Date & time the comment was posted to the system
owner	int(5)	Unique identifier of the user who created the comment
thread_ID	int(5); FK	Unique identifier of the thread

Table 10: Comment table

Field	Type	Description
complaint_ID	int(5); PK	Unique identifier of the complaint
complainant	varchar(50)	Name of the complainant
email	varchar(50)	E-mail address of the complainant
category	varchar(50)	Category of the complainant
subject	varchar(50)	Subject of the complainant
message	varchar(500)	Message proper of the complainant
dateTime	datetime	Date & time the complaint was filed

Table 11: Complaints table

D. Technical Architecture

The server machine needs the following applications:

1. PHP Server (Apache 2.4.7)
2. MySQL (5.5 and up)

The users of the system should have the following specifications:

1. Web Browser (Firefox 25/ Google Chrome 31/ Internet Explorer 8)
2. Internet connection

V. Results

A. Guest View

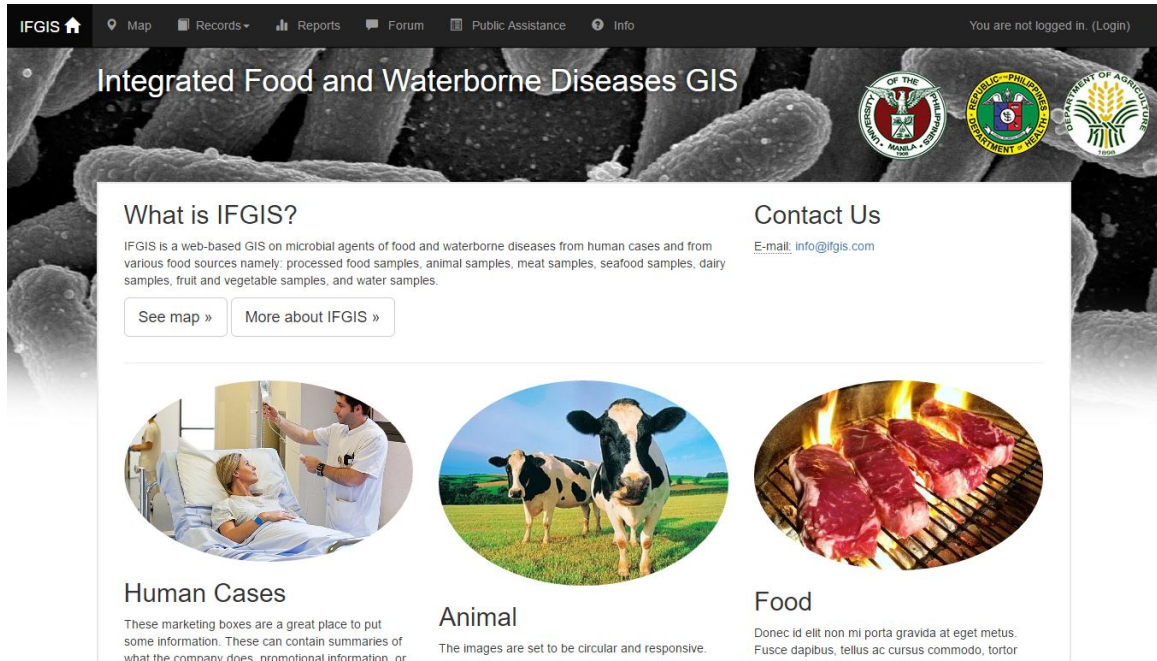


Figure 8: Home Page

Figure 8 shows the first page that shows up when the system is accessed. Guests users can already access the map, reports page, forum, public assistance, and info page. Users can also choose to login by clicking the link at the upper right part of the page.

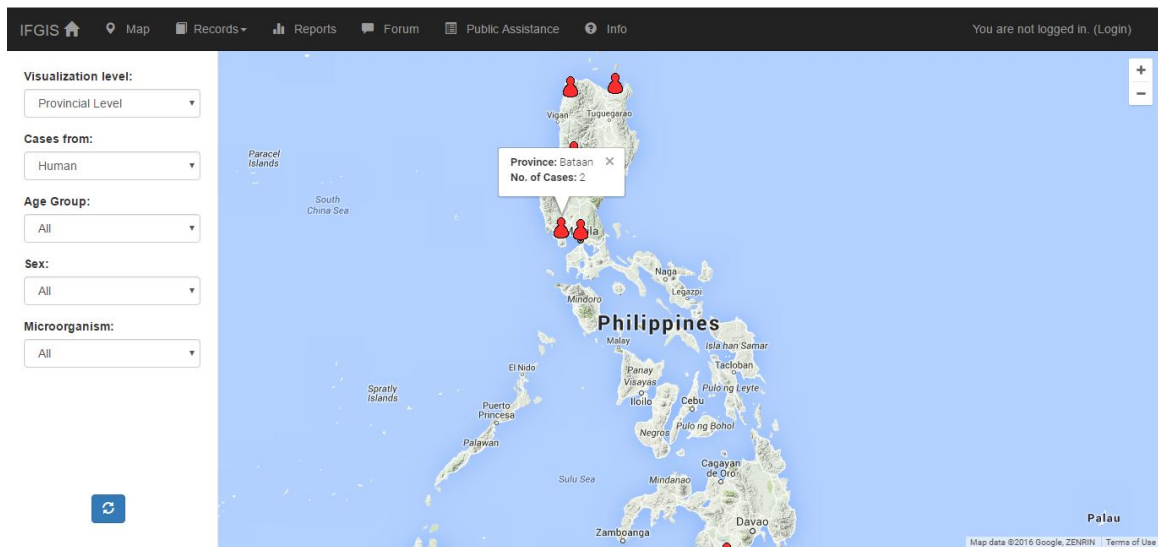


Figure 9: Map Page

Fig. 9 shows the map page wherein markers are drawn to represent cases of microbial agents of food and waterborne diseases. The user can choose the visualization level (regional, provincial, municipal, barangay), sources of cases (human, processed food samples, animal samples, meat samples, fish samples, fruit and vegetable samples, dairy samples, and water samples), age group (for human cases only), sex, and microorganism.

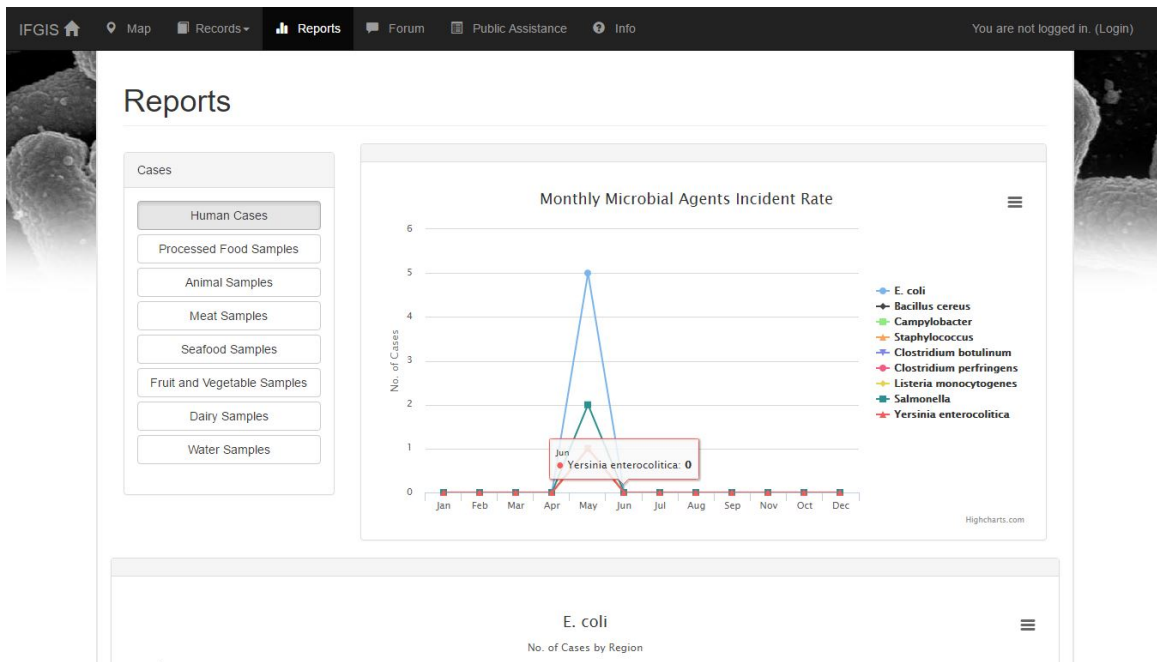


Figure 10: Reports Page

Fig. 10 shows the Reports page wherein the Monthly Microbial Agents Incident Rate and No. of Cases of Microbial Agents by Region are shown. The user can choose which source he wants to see in the charts.

IFGIS [Map](#) [Records](#) [Reports](#) [Forum](#) **Public Assistance** [Info](#) You are not logged in. (Login)

Public Assistance, Information, and Complaints Desk

New Topic

Name:* **E-mail:***

Category:*

Subject:*

Message:*


Captcha:*
 I'm not a robot 
This reCAPTCHA is currently running on 1c6aff101e

Figure 11: Public Assistance Page

Fig. 11 shows the Public Assistance page wherein guests can file complaints for a certain food source.

Figure 12: Create an Account Page

Once the guest click on the Login link at the upper right corner of the page, he/she will be redirected to the Login Page, wherein the link to 'Create an Account' is found. In Figure 12, we see the Create an Account page. It asks for the user's basic details, and the institution he/she belongs to. The user's address is required for healthworkers, since the address specified here, will denote the area of supervision of the healthworker. The supervisor's username is also required except for NEC users. Barangay Health Workers report to Municipal Health Workers, while Municipal Health Workers report to Provincial Health Workers. On the other hand, Provincial Health Workers report to the NEC user, and users from participating institutions report directly also to the NEC user.

B. Health Worker View

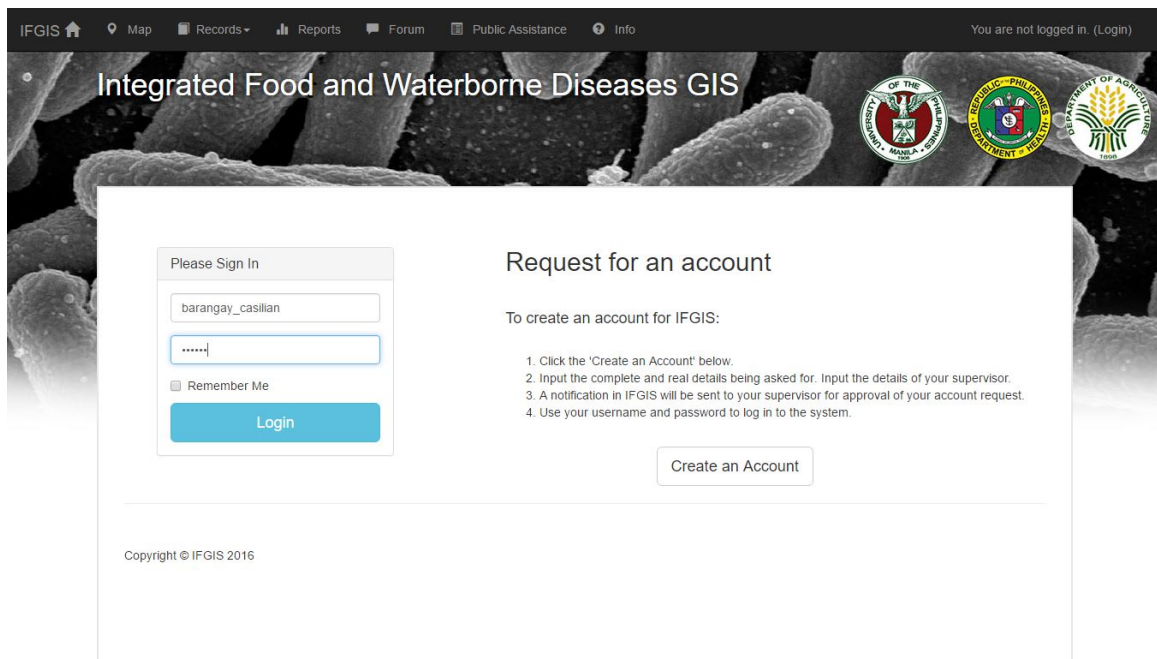


Figure 13: Login Page

From the Home Page, users go to the Login Page by clicking the link at the upper right corner of the page. An account username and password is required in order to login into the system. In the right half of the page, directions for requesting an account and a link to 'Create an Account' is provided.

Patient ID#	Sex	Age	Outcome	Patient Admitted?	Source of Drinking Water	Source of Suspected Food and Drink	Toilet Facility	Address (Barangay, City/Municipality, Province, Region)	Microbial Agent
1	male	20	alive	Yes	water vendor, water refilling station	street food vendor, food establishment	flush	Brgy. Casilian, Bacarra, Ilocos Norte, Region 1	E. coli
10	male	21	alive	Yes	water vendor, water refilling station	unknown	flush	Brgy. Bangag, Aparri, Cagayan, Region 2	E. coli
11	female	20	alive	Yes	water vendor, water refilling	unknown	flush	Brgy. Brookside, Ramonin City	Salmonella

Figure 14: IFGIS Patient Records Page

Figure 14 shows the published patients of IFGIS. Only healthworker users can view the raw patient records page. Confidential information of patients are not anymore shown. At the right part of the page, an 'Add Patient' button is seen, which will redirect the user to the Foodborne Disease Form.

The screenshot shows a web-based form titled "Add Patient Data" with a dark navigation bar at the top containing "IFGIS", "Map", "Records", "Reports", "Forum", "Public Assistance", "Info", and a user profile "barangay_casilian". The form is split into two main columns: "Basic Details" and "Source".

Basic Details:

- Full name:** Dancel, Ebe
- Birthdate:** 14/08/1980
- Sex:** Male (selected), Female
- Occupation: (NA if none):** singer
- Address:**
 - Region:** 1
 - Province:** Ilocos Norte
 - City/Municipality:** Bacarra
 - Barangay:** Casilian
- Patient admitted?** Yes (selected), No
- Date admitted/seen/consulted:** 18/05/2016
- Date onset of illness:** 03/05/2016

Source:

- Source of Drinking Water:**
 - Deep well, Spring, Water vendor (checked), Piped water system, Surface water, Water refilling station (checked), Open dug well
- Toilet Facility:**
 - Flush (selected), Pit latrine, None
- Suspected food or drink:**
 - Yes, specify, No, Unknown (selected)
- Source of suspected food or drink:**
 - Home, Market, Bakery / cakeshop, Street food vendor, Convenience store, Unknown (checked), Food establishment, Neighbor, Others, specify, Grocery, Celebration / gathering
- Micro Test:** E. coli

Figure 15: Foodborne Disease Form Page

Healthworkers input the patient details into the foodborne disease form as shown in Figure 15. Once finished, the patient record is shown in 'My Patient Records' under 'For Review'.

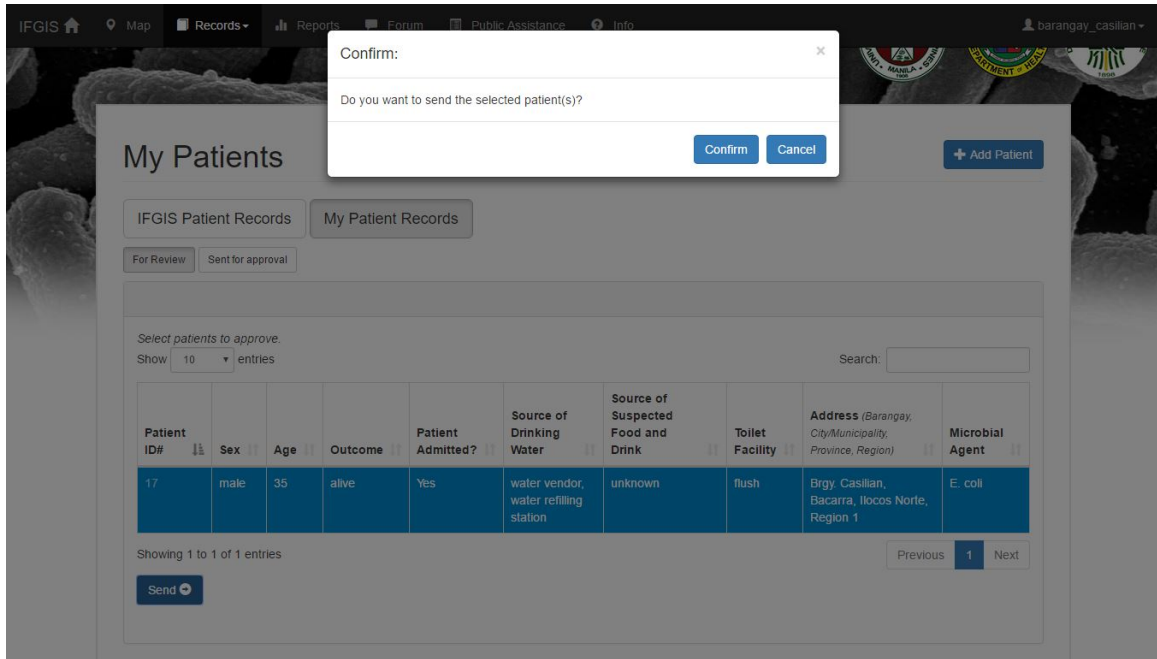


Figure 16: My Patient Records For Review Page

The 'For Review' page of My Patient Records lists all patient records that are currently assigned to the user. He/she can select patient records for sending to his/her supervisor, as shown in Figure 16.

The screenshot shows the IFGIS 'My Patients' page. At the top, there is a navigation bar with 'IFGIS' and various menu items like 'Map', 'Records', 'Reports', 'Forum', 'Public Assistance', and 'Info'. The user is logged in as 'barangay_casilian'. The main heading is 'My Patients' with an 'Add Patient' button. A green notification box states: 'Patient data has been sent to your supervisor for approval.' Below this, there are tabs for 'IFGIS Records' and 'My Records', and sub-tabs for 'For Review' and 'Sent for approval'. The 'Sent for approval' sub-tab is active. The main content area shows a table of patients to approve. The table has columns for Patient ID#, Sex, Age, Outcome, Patient Admitted?, Source of Drinking Water, Source of Suspected Food and Drink, Toilet Facility, Address, and Microbial Agent. One patient record is visible with ID# 17, male, 35, alive, admitted, water vendor, unknown source, flush toilet, and E. coli agent. A search bar and pagination controls are also present.

Patient ID#	Sex	Age	Outcome	Patient Admitted?	Source of Drinking Water	Source of Suspected Food and Drink	Toilet Facility	Address (Barangay, City/Municipality, Province, Region)	Microbial Agent
17	male	35	alive	Yes	water vendor, water refilling station	unknown	flush	Brgy. Casillan, Bacarra, Ilocos Norte, Region 1	E. coli

Figure 17: My Patient Records Sent for Approval Page

Once a patient record is sent, it will be filed under 'Sent for Approval' of My Patient Records. That patient record also will be under 'For Review' of My Patient Records of the user's supervisor. The user's supervisor can either accept the records, by sending it to his/her supervisor, or return it to the sender - the user.

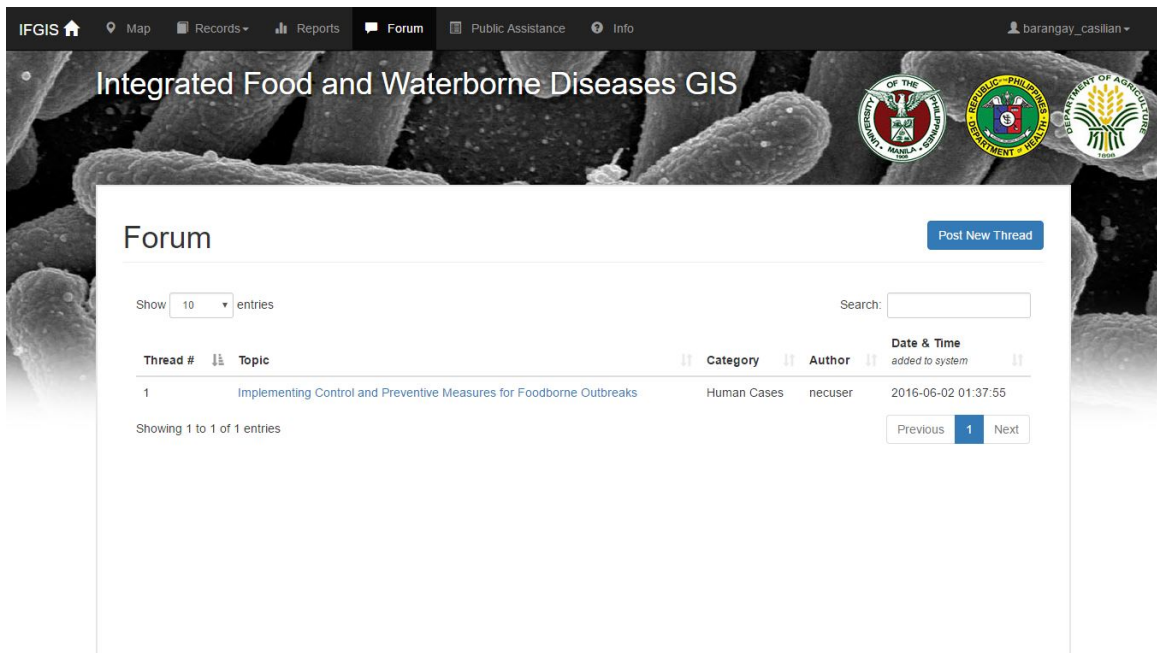


Figure 18: Forum Page

Registered users - health workers, users from participating institutions, and NEC users can participate in forums by posting a new thread, or viewing existing threads and commenting on it.

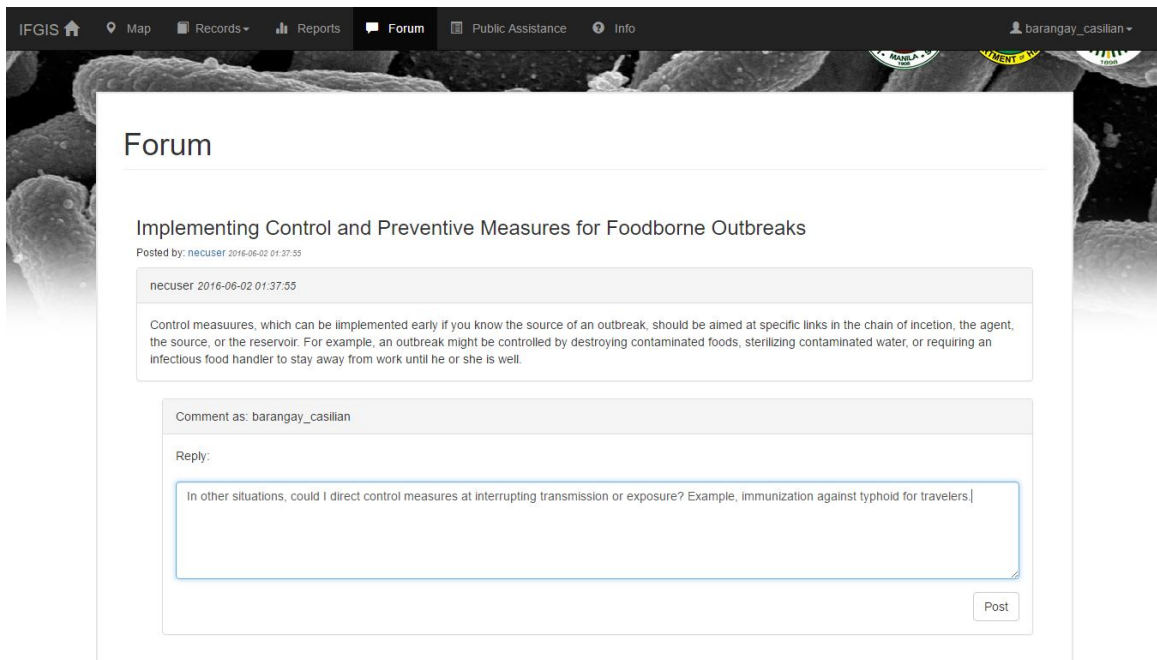


Figure 19: Individual Thread Page

In Figure 19, an individual thread in the forums is shown. The user can then read posts in the existing thread, and also post his/her own comments/replies. The user also has an option to delete his/her own posts.

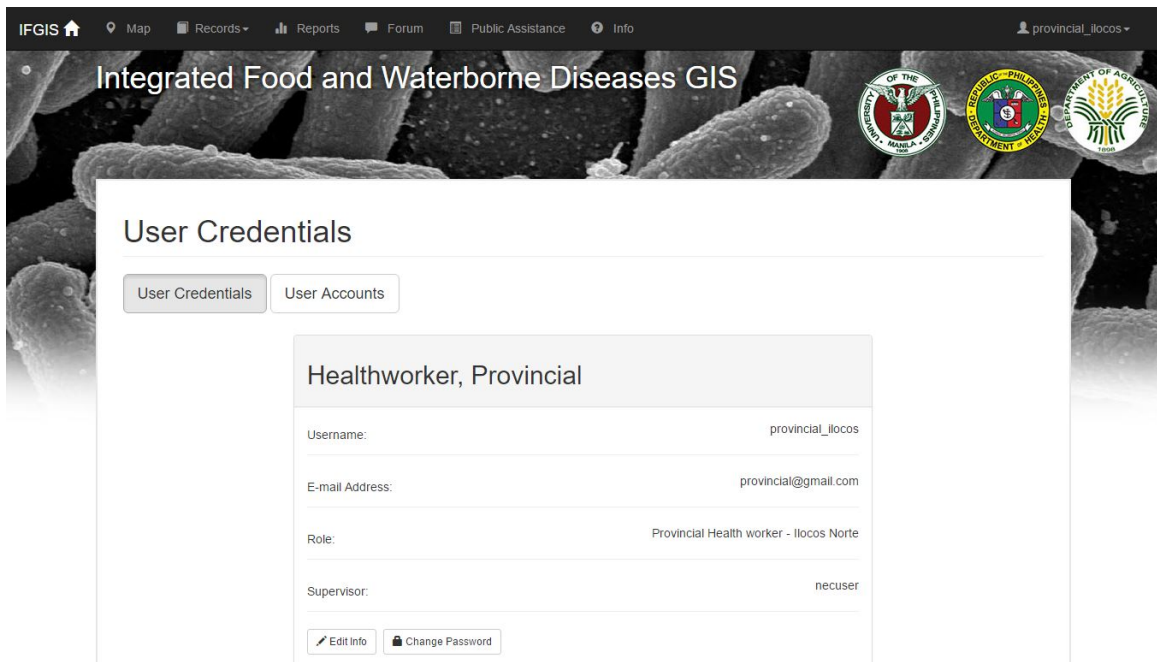


Figure 20: User Credentials Page

The user can view and edit his/her account details, by clicking on the 'Settings' link found when the username is clicked. Change of basic account details and password can be done.

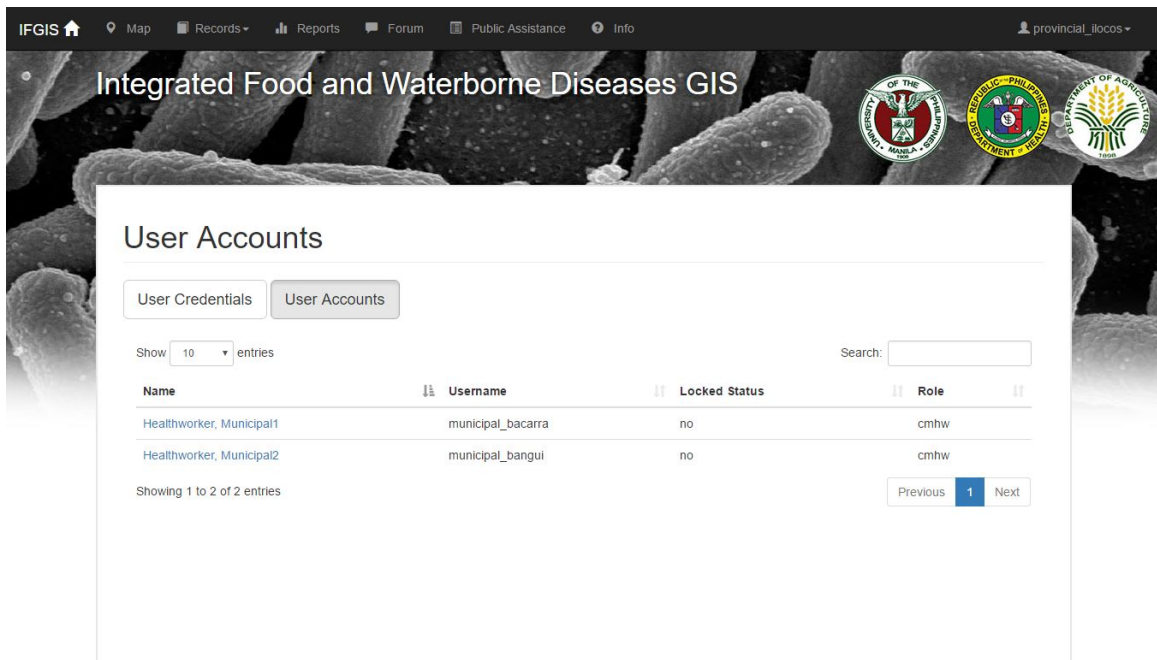


Figure 21: User Accounts Page

Figure 21 presents the User Accounts page wherein supervisors - users that handle lower level users, can manage their subjects. They can view basic details of the users and enable/disable user accounts.

Healthworkers' view for the map page and reports page is just the same as that of the guests.

C. Participating Institutions User View

Integrated Food and Waterborne Diseases GIS

Processed Food Samples

+Add Sample

IFGIS Records » My Records »

Show 10 entries Search:

Sample ID	Sample Name	Brand Name	Manufacturer Name	Condition	Test Date	Collected at (Address)	Microorganism
1	Meatloaf	Argentina	Argentina Corp.	other	2016-05-28	Brgy. Barangay 105, Tondo, Manila, Region 13	E. coli
2	Corned Beef	Purefoods	Purefoods Corp	other	2016-05-27	Brgy. Baluan, General Santos, South Cotabato, Region 12	Salmonella

Showing 1 to 2 of 2 entries Previous 1 Next

Figure 22: IFGIS Processed Food Samples Page

Figure 14 shows the published processed food samples of IFGIS. Only FDA field worker users can view the raw processed food samples page. The same applies to records of other food sources. At the right part of the page, an 'Add Sample' button is seen, which will redirect the user to the Processed Food Sample Form.

Sample Details

Item: (Sample Name): Corned Beef Brand Name: Argentino

No. of samples: 5 Collected by: Processedfood1 Worker Collection Date: 01/06/2016

Collected at:

Region: XII - SOCCKSARGEN Province: South Cotabato

City/Municipality: General Santos Barangay: Baluan

Manufacturer Name: Argentino Corp Manufacturer Address: Cubao, Quezon City

Condition: Other Temperature (°C): 25 Expiration Date: 15/02/2017 Sealed? Yes No

Test Details

Food Micro Test: Yersinia enterocolitica No. of microorganisms: 40 Test Date: 02/06/2016

Figure 23: Processed Food Sample Form Page

FDA field workers input the sample details into the form as shown in Figure 23. Once finished, the sample data is shown in 'My Records' under 'For Review'.

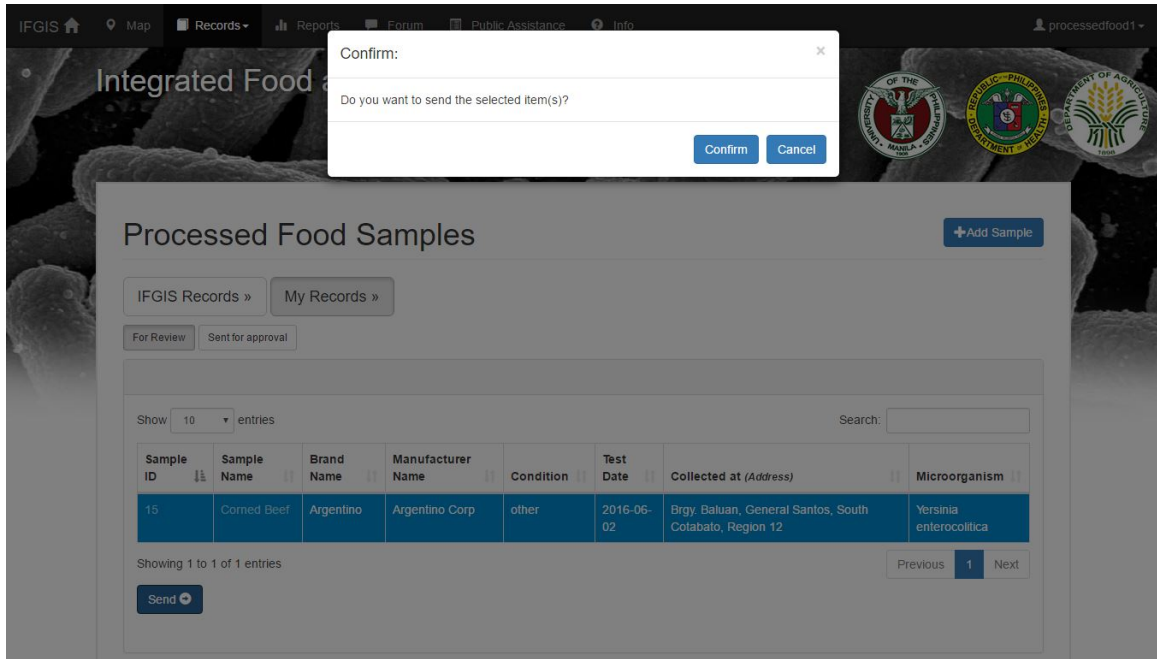


Figure 24: My Records For Review Page

The 'For Review' page of My Records lists all sample records that are currently assigned to the user. He/she can select sample records for sending to his/her supervisor, as shown in Figure 16.

The screenshot shows the IFGIS interface for 'Processed Food Samples'. At the top, there is a navigation bar with 'IFGIS', 'Map', 'Records', 'Reports', 'Forum', 'Public Assistance', and 'Info'. The user is logged in as 'processedfood1'. The page title is 'Integrated Food and Waterborne Diseases GIS'. A green notification box states: '✓ Sample data has been sent to your supervisor for approval.' Below this, there are tabs for 'IFGIS Records' and 'My Records', with 'My Records' selected. Under 'My Records', there are sub-tabs for 'For Review' and 'Sent for approval', with 'Sent for approval' selected. A table displays one record:

Sample ID	Sample Name	Brand Name	Manufacturer Name	Condition	Test Date	Collected at (Address)	Microorganism
15	Corned Beef	Argentino	Argentino Corp	other	2016-06-02	Brgy. Baluan, General Santos, South Cotabato, Region 12	Yersinia enterocolitica

At the bottom of the table, it says 'Showing 1 to 1 of 1 entries' and has 'Previous', '1', and 'Next' navigation buttons.

Figure 25: My Records Sent for Approval Page

Once a sample record is sent, it will be filed under 'Sent for Approval' of My Records. That sample record also will be under 'For Review' of My Records of the user's supervisor. The user's supervisor can either accept the records, by sending it to his/her supervisor, or return it to the sender - the user. This process is the same for all food source types.

Users from participating institutions can similarly participate in the forums, edit user credentials, and manage user accounts. And their view for the map page and reports page is just the same as that of the guests and healthworkers.

D. NEC User View

NEC users can similarly participate in the forums, edit user credentials, and manage user accounts of provincial health workers and field workers from participating institutions. Additionally, their view for the map page and reports page is just the same as that of the other users of the system.

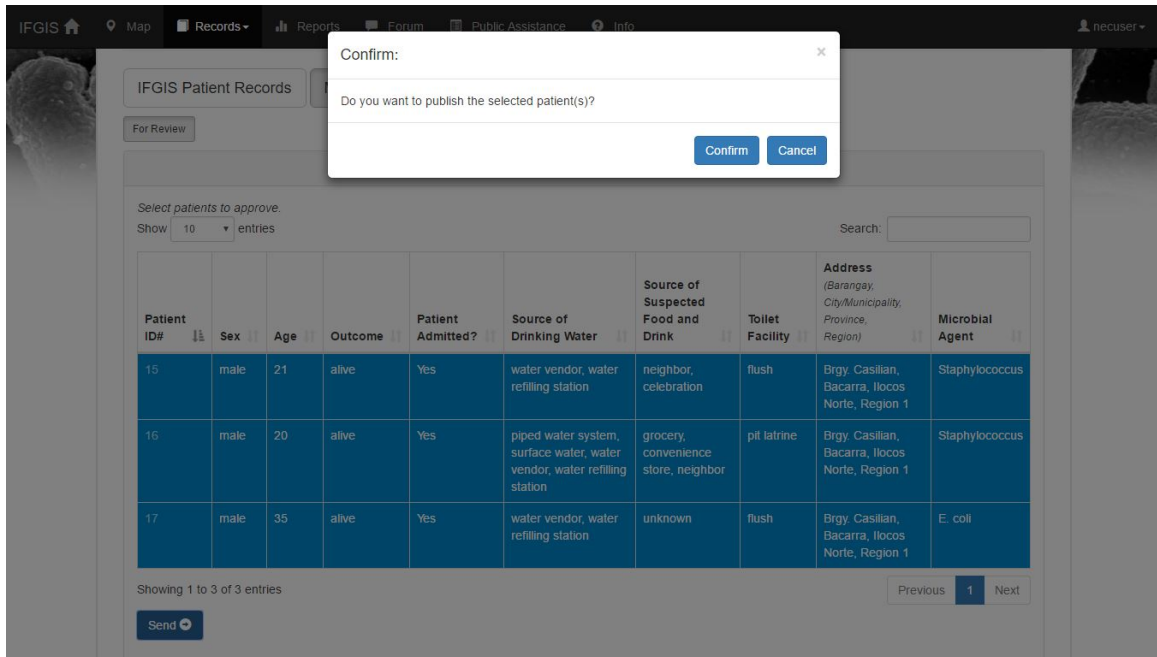


Figure 26: NEC My Patient Records For Review Page

Once the data has reached the NEC users, he/she can publish it for posting into the system.

VI. Discussions

The Integrated Food and Waterborne Diseases Geographic Information System (IFGIS) is a web application that serves as a repository of microbial agents of food and waterborne diseases in humans and from various food sources namely: processed foods, farm animals, meat products, seafood products, milk and dairy products, fruits and vegetables, and water supply. It will enable multiple users coming from different institutions to manage data on patients and on different food sources.

The PHP framework, CodeIgniter, greatly helped in the development of the system. CodeIgniter utilizes the Model-View-Controller (MVC) architecture, which made it easy to develop modules of the system.

The map that is produced by this system makes it easier for NEC to act on the disease since it graphically shows them where the cases are. Through this system, regular monitoring of the spread of microbial agents of food and waterborne diseases for each province and for each municipality in the Philippines is possible. Google Maps API and a Google Maps API CodeIgniter library also greatly contributed to plotting markers easily.

Reports on Monthly Microbial Agents Incident Rate and Microbial Agents per region were generated by Highcharts. Highcharts is a charting library written in pure JavaScript that generates interactive charts for web pages.

Tables in several pages of the system were created using DataTables. DataTables is a jQuery plugin, that progressively enhances the functionalities of tables. It provides an easier way of searching through records, and filtering search queries. It loads asynchronously, allowing the users to dynamically search for records.

The Forum used in the system didn't utilize any existing Forum technologies available. It was built from scratch.

ReCaptcha by Google was used in the Complaints form in order to ensure that the system would be protected from spams. The said captcha technology was also utilized in the 'Create an Account' page.

VII. Conclusions

The Integrated Food and Waterborne Diseases Geographic Information System (IFGIS) is a web application that is able to store microbial agent information from human cases, processed food samples, animal samples, meat samples, seafood samples, fruit and vegetable samples and water samples. It also allows its users to view microbial agents in a visual manner.

This was achieved by showing a map implemented through GoogleMaps API that displayed a layer of markers that indicates cases of a certain microbial agent given a certain visualization level. Some functionalities of the system, like the map, reports, forum, and public assistance can be accessed by anyone. The raw records of patients and sample data are only accessible by users with the right privileges. A user can request an account and will be subject to the approval of his/her supervisor.

With proper reporting of data by the health workers and field workers, this system can efficiently improve current surveillance on foodborne microbes. This integrated system could correlate different food sources with different cases of foodborne diseases, and could enforce better communication with different institutions concerning food safety.

VIII. Recommendations

Despite having attained the study's objectives, the system have so much room for improvement that could be implemented in the future.

The map implemented in the system only displays layers of markers. The map could be further enhanced by including a choropleth map which shows layers of varying colors to show incidence of microbial agents. Using a choropleth map, varying intensities can be easily shown and different locations can be easily compared.

Instead of having a self-made forum, an existing web forum technology could be implemented instead, so that its functionality is complete and robust.

Statistical analysis could be incorporated into the system, so that the system does not only provide users with data and visualization, but also automates the analysis part, in order to further enhance public health decision-making. Forecasts on foodborne outbreaks would be of great improvement on mitigating the cases of foodborne diseases.

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X. Appendix

A. Forms

1. Foodborne Disease Form



**Philippine Integrated Disease
Surveillance and Response**

Annex 3.2B

Foodborne Disease

(Do not use this case investigation form to report cases of cholera, typhoid fever and PSP)

(WNDR Version 06-25-07)

Name of DRU (Name of RHU/CHO/Hospital/Clinic/Laboratory/Port/Airport): _____

Type of hosp/clinic: Gov't Private

Patient no. _____ Patient's full name: _____

<p>Age: _____ <input type="checkbox"/> year <input type="checkbox"/> month Sex: <input type="checkbox"/> M <input type="checkbox"/> F Occupation: _____</p> <p>Complete address: _____</p> <p>Patient admitted? <input type="checkbox"/> Yes <input type="checkbox"/> No Date admitted/seen/consult: ____/____/____ Date onset of illness: ____/____/____</p> <p>Source of drinking water: <input type="checkbox"/> deep well <input type="checkbox"/> piped water system <input type="checkbox"/> open dug well <input type="checkbox"/> spring <input type="checkbox"/> surface water <input type="checkbox"/> water vendor <input type="checkbox"/> water refilling station</p> <p>Toilet facility: <input type="checkbox"/> pour flush <input type="checkbox"/> pit latrine <input type="checkbox"/> none</p> <p>Category: <input type="checkbox"/> infection <input type="checkbox"/> poisoning</p> <p>Suspected food or drink: <input type="checkbox"/> Yes, specify: _____ <input type="checkbox"/> No <input type="checkbox"/> unknown</p> <p>Source of suspected food or drink:</p> <p><input type="checkbox"/> home <input type="checkbox"/> street food vendor <input type="checkbox"/> food establishment <input type="checkbox"/> grocery <input type="checkbox"/> market <input type="checkbox"/> convenient store</p> <p><input type="checkbox"/> neighbor/friend <input type="checkbox"/> celebration, party, gathering, fiesta, other similar event</p> <p><input type="checkbox"/> bakery, bake house, cake shop, and similar establishments</p> <p><input type="checkbox"/> unknown <input type="checkbox"/> other, specify: _____</p> <p>Stool culture: <input type="checkbox"/> positive (specify organism): _____</p> <p style="margin-left: 20px;"><input type="checkbox"/> negative <input type="checkbox"/> indeterminate <input type="checkbox"/> unknown <input type="checkbox"/> not done</p>	<p>Case classification:</p> <p><input type="checkbox"/> suspected <input type="checkbox"/> confirmed</p> <p>Outcome:</p> <p><input type="checkbox"/> alive <input type="checkbox"/> died</p> <p>Date died: ____/____/____</p> <p><input type="checkbox"/> unknown</p>
---	---

Figure 27: Foodborne Disease Form

B. Source Codes

1. Config

route.php

```
<?php if ( ! defined('BASEPATH')) exit('
    No direct script access allowed');
$route['default_controller'] = "home";
$route['login'] = "user/login";
$route['logout'] = "user/logout";
$route['register'] = "user/register";
$route['map'] = "map/setFilter";
$route['hehe'] = "map/customized";
$route['setFilter'] = "map/setFilter";
$route['home'] = "home";
$route['addPatient'] = "records/addPatient";
$route['approvePatients'] = "records/
    approvePatients";
$route['myPatientsReview'] = "records/
    viewMyPatientsReview";
$route['myPatientsApproved'] = "records/
    viewMyPatientsApproved";
$route['patients'] = "records/viewPatients";
$route['editPatient/(:any)'] = "records/
    editPatient/$1";
$route['voidPatient/(:any)'] = "records/
    voidPatient/$1";
$route['samples/(:any)'] = "records/
    viewSamples/$1";
$route['addSample/(:any)'] = "records/
    addSample/$1";
$route['approveSample/(:any)'] = "records/
    approveSample/$1";
$route['mySamplesReview/(:any)'] = "
    records/viewMySamplesReview/$1";
$route['mySamplesApproved/(:any)'] = "
    records/viewMySamplesApproved/$1";
$route['editSample/(:any)'] = "records/
    editSample/$1";
$route['voidSample/(:any)'] = "records/
    voidSample/$1";
$route['reports/(:any)'] = "reports/
    viewReports/$1";
$route['forum'] = "forum";
$route['forum/view/(:any)'] = "forum/
    viewThread/$1";
$route['forum/addThread'] = "forum/
    addThread";
$route['forum/addComment/(:any)'] = "forum
    /addComment/$1";
$route['forum/deleteComment/(:any)'] = "
    forum/deleteComment/$1";
$route['complaints'] = "complaints";
$route['forum/view/(:any)'] = "forum/
    viewThread/$1";
$route['complaints/addComplaint'] = "
    complaints/addComplaint";
$route['forum/addComment/(:any)'] = "forum
    /addComment/$1";
$route['forum/deleteComment/(:any)'] = "
    forum/deleteComment/$1";
$route['userCredentials'] = "user/
    userCredentials";
$route['userAccounts'] = "user/
    userAccounts";
$route['editUserDetails'] = "user/
    editDetails";
$route['changePassword'] = "user/
    changePassword";
$route['enableUser/(:any)'] = "user/
    enableAccount/$1";
$route['disableUser/(:any)'] = "user/
    disableAccount/$1";
$route['404_override'] = '';
```

2. Controllers

complaints.php

```
<?php if ( ! defined('BASEPATH')) exit('No
    _direct_script_access_allowed');
class Complaints extends CI_Controller {
    public function __construct() {
        parent::__construct();
        $this->load->model(array('login_model', '
            forum_model', 'user_model', '
            complaints_model'));
    }
    public function index() {
        $data['complaints'] = TRUE;
        $data['title'] = "Public_Assistance";
        $user = $this->user_model->get_currentUser
            ();
        $data['role'] = $user['role'];
        $role = $user['role'];
        if($role=='nec' || $role=='fda' || $role=='bai
            ' || $role=='nmis' || $role=='bfar' || $role
            =='bpi' || $role=='nda' || $role=='nrl'){
        $data['output'] = $this->complaints_model
            ->get_allcomplaints($role);
        $this->load->view('templates/header', $data
            );
        $this->load->view('templates/menu');
        $this->load->view('complaints_page', $data)
            ;
        $this->load->view('templates/footer');
        }else{
        $this->load->view('templates/header', $data
            );
        $this->load->view('templates/menu');
        $this->load->view('complaints_form', $data)
            ;
        $this->load->view('templates/footer');
        }
    }
    public function viewThread($thread_ID){
        $data['forum'] = TRUE;
        $user = $this->user_model->get_currentUser
            ();
        $data['user'] = $user;
        $data['role'] = $user['role'];
        $data['title'] = 'Public_Assistance';
        $data['thread'] = $this->forum_model->
            get_thread($thread_ID);
        $data['comment'] = $this->forum_model->
            get_allcomments($thread_ID);
        $this->load->view('templates/header',
            $data);
        $this->load->view('templates/menu');
        $this->load->view('thread_page', $data);
        $this->load->view('templates/footer');
```



```

}
public function addComplaint(){
    $data['complaints'] = TRUE;
    $captcha_answer = $this->input->post('g-recaptcha-response');
    $response = $this->recaptcha->verifyResponse($captcha_answer);
    $this->load->library('form_validation');
    $this->form_validation->set_rules('name', 'Name', 'required');
    $this->form_validation->set_rules('email', 'E-mail', 'required');
    $this->form_validation->set_rules('category', 'Category', 'required');
    $this->form_validation->set_rules('subject', 'Subject', 'required');
    $this->form_validation->set_rules('message', 'Message', 'required');
    $data['title'] = 'New_Complaint';
    $user = $this->user_model->get_currentUser();
    $data['user'] = $user;
    $data['role'] = $user['role'];
    if ($this->form_validation->run() === FALSE || $response['success']==NULL){
        // inputs didn't pass validation
        $data['error'] = TRUE;
        $this->load->view('templates/header', $data);
        $this->load->view('templates/menu');
        $this->load->view('complaints_form', $data);
        $this->load->view('templates/footer');
    }
    else if($response['success']){
        $this->complaints_model->add_complaint();
        $data['title'] = 'Message_sent!';
        $data['success'] = TRUE;
        $this->load->view('templates/header', $data);
        $this->load->view('templates/menu');
        $this->load->view('complaints_form', $data);
        $this->load->view('templates/footer');
    }
}

```

```

}
public function addComment($thread_ID){
    $data['forum'] = TRUE;
    $this->forum_model->add_comment($thread_ID);
    $user = $this->user_model->get_currentUser();
    $data['user'] = $user;
    $data['role'] = $user['role'];
    $data['title'] = 'Forum';
    $data['thread'] = $this->forum_model->get_thread($thread_ID);
    $data['comment'] = $this->forum_model->get_allcomments($thread_ID);
    $this->load->view('templates/header', $data);
    $this->load->view('templates/menu');
    $this->load->view('thread_page', $data);
    $this->load->view('templates/footer');
}
public function deleteComment($comment_ID){
    $data['forum'] = TRUE;
    $thread = $this->forum_model->get_threadFromComment($comment_ID);
    $thread_ID = $thread->thread_ID;
    $this->forum_model->delete_comment($comment_ID);
    $data['thread'] = $this->forum_model->get_thread($thread_ID);
    $data['comment'] = $this->forum_model->get_allcomments($thread_ID);
    $user = $this->user_model->get_currentUser();
    $data['title'] = 'Forum';
    $data['user'] = $user;
    $data['role'] = $user['role'];
    $this->load->view('templates/header', $data);
    $this->load->view('templates/menu');
    $this->load->view('thread_page', $data);
    $this->load->view('templates/footer');
}
}

```

forum.php

```

<?php if (! defined('BASEPATH')) exit('No direct script access allowed');
class Forum extends CI_Controller {
    public function __construct(){
        parent::__construct();
        $this->load->model(array('login_model', 'forum_model', 'user_model'));
    }
    public function index() {
        $data['forum'] = TRUE;
        $data['title'] = "Forum";
        $user = $this->user_model->get_currentUser();
        $data['role'] = $user['role'];
        $data['output'] = $this->forum_model->get_allthreads();
        $this->load->view('templates/header', $data);
        $this->load->view('templates/menu');
        $this->load->view('forum_page', $data);
        $this->load->view('templates/footer');
    }
    public function viewThread($thread_ID){
        $data['forum'] = TRUE;
        $user = $this->user_model->get_currentUser();
        $data['user'] = $user;
        $data['role'] = $user['role'];
        $data['title'] = 'Forum';
        $data['thread'] = $this->forum_model->get_thread($thread_ID);
        $data['comment'] = $this->forum_model->get_allcomments($thread_ID);
        $this->load->view('templates/header', $data);
        $this->load->view('templates/menu');
        $this->load->view('thread_page', $data);
        $this->load->view('templates/footer');
    }
    public function addThread(){

```

```

        $data['forum'] = TRUE;
        $this->load->library('form_validation');
        $this->form_validation->set_rules('category', 'Category', 'required');
        $this->form_validation->set_rules('topic', 'Topic', 'required');
        $this->form_validation->set_rules('comment', 'Comment', 'required');
        $data['title'] = 'New_Thread';
        $user = $this->user_model->get_currentUser();
        $data['user'] = $user;
        $data['role'] = $user['role'];
        if ($this->form_validation->run() === FALSE){ // inputs didn't pass validation
            $this->load->view('templates/header', $data);
            $this->load->view('templates/menu');
            $this->load->view('post_thread_page', $data);
            $this->load->view('templates/footer');
        }
        else{
            $this->forum_model->add_thread();
            $data['title'] = 'Thread_was_posted_for_approval.';
            $output = $this->forum_model->get_allthreads();
            $data['output'] = $output;
            $this->load->view('templates/header', $data);
            $this->load->view('templates/menu');
            $this->load->view('forum_page', $data);
            $this->load->view('templates/footer');
        }
    }
    public function addComment($thread_ID){
        $data['forum'] = TRUE;
        $this->forum_model->add_comment($thread_ID)

```

```

    );
    $user = $this->user_model->get_currentUser
    ();
    $data['user'] = $user;
    $data['role'] = $user['role'];
    $data['title'] = 'Forum';
    $data['thread'] = $this->forum_model->
    get_thread($thread_ID);
    $data['comment'] = $this->forum_model->
    get_allcomments($thread_ID);
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('thread_page', $data);
    $this->load->view('templates/footer');
}
public function deleteComment($comment_ID)
{
    $data['forum'] = TRUE;
    $thread = $this->forum_model->
    get_threadFromComment($comment_ID);
    $thread_ID = $thread['thread_ID'];
    $this->forum_model->delete_comment(
    $comment_ID);
    $data['thread'] = $this->forum_model->
    get_thread($thread_ID);
    $data['comment'] = $this->forum_model->
    get_allcomments($thread_ID);
    $user = $this->user_model->get_currentUser
    ();
    $data['title'] = 'Forum';
    $data['user'] = $user;
    $data['role'] = $user['role'];
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('thread_page', $data);
    $this->load->view('templates/footer');
}
}

```

home.php

```

<?php if ( ! defined('BASEPATH')) exit('No
    _direct_script_access_allowed');
class Home extends CI_Controller {
    public function index(){
    $data['title'] = "Home";
    $data['home'] = TRUE;
    $this->load->view('templates/header', $data
    );
    $this->load->view('templates/menu');
    $this->load->view('home_page');
    $this->load->view('templates/footer');
}
}

```

map.php

```

<?php if ( ! defined('BASEPATH')) exit('No
    _direct_script_access_allowed');
class Map extends CI_Controller {
    public function __construct(){
    parent::__construct();
    $this->load->model(array('
    establishment_model', 'map_model'));
}
public function setFilter(){
    $this->load->library('googlemaps');
    $config = array();
    $config['center'] = 'mindoro, _philippines'
    ;
    $config['zoom'] = 6;
    $config['map_height'] = "590px";
    $config['map_type'] = "TERRAIN";
    $config['disableMapTypeControl'] = TRUE;
    $config['disableStreetViewControl'] = TRUE
    ;
    $config['zoomControlPosition'] = "
    TOP_RIGHT";
    $this->googlemaps->initialize($config);
    $marker = array();
    $filter = $this->map_model->getFilterQuery
    ();
    $data['map'] = $this->googlemaps->
    create_map();
    $data['title'] = 'Map';
    $this->load->view('templates/header', $data
    );
    $this->load->view('templates/sidebar');
    $this->load->view('map_page', $data);
    $this->load->view('templates/footer');
}
}

```

records.php

```

<?php if ( ! defined('BASEPATH')) exit('No
    _direct_script_access_allowed');
class Records extends CI_Controller {
    public function __construct(){
    parent::__construct();
    $this->load->model(array('patient_model', '
    establishment_model', 'user_model', '
    sample_model'));
}
public function viewMyPatientsReview(){
    $data['records'] = TRUE;
    $data['title'] = 'My_Patient_Records';
    $output = $this->patient_model->
    get_mypatientsreview();
    $data['output'] = $output;
    $user = $this->user_model->get_currentUser
    ();
    $data['role'] = $user['role'];
    $data['username'] = $user['username'];
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('mypatients.review',
    $data);
    $this->load->view('templates/footer');
}
public function viewMyPatientsApproved(){
    $data['records'] = TRUE;
    $data['title'] = 'My_Patient_Records';
    $output = $this->patient_model->
    get_mypatientsapproved();
    $user = $this->user_model->get_currentUser
    ();
    $data['role'] = $user['role'];
    $data['output'] = $output;
    $data['username'] = $user['username'];
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('mypatients.approved',
    $data);
    $this->load->view('templates/footer');
}
}

```

```

}
public function approvePatients(){
    $data['records'] = TRUE;
    $data['title'] = 'My_Patient_Records';
    $data['success'] = TRUE;
    $user = $this->user_model->get_currentUser
    ();
    $data['username'] = $user['username'];
    if($user['role']=='nec'){
        $output = $this->patient_model->
        get_necmypatientsapproved();
        $data['output'] = $output;
        $data['role'] = $user['role'];
        $this->load->view('templates/header',
        $data);
        $this->load->view('templates/menu');
        $this->load->view('mypatients_review',
        $data);
        $this->load->view('templates/footer');
    }else{
        $output = $this->patient_model->
        get_mypatientsapproved();
        $data['output'] = $output;
        $data['role'] = $user['role'];
        $this->load->view('templates/header',
        $data);
        $this->load->view('templates/menu');
        $this->load->view('mypatients_approved',
        $data);
        $this->load->view('templates/footer');
    }
}
public function viewPatients(){
    $user = $this->user_model->get_currentUser
    ();
    $data['role'] = $user['role'];
    $data['records'] = TRUE;
    $data['title'] = 'Patient_Records';
    $output = $this->patient_model->
    get_publishedpatients();
    $data['output'] = $output;
    $data['username'] = $user['username'];
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('patients_view', $data);
    $this->load->view('templates/footer');
}
public function addPatient(){
    $data['records'] = TRUE;
    $user = $this->user_model->get_currentUser
    ();
    $this->load->library('form_validation');
    $this->form_validation->set_rules('
    patient_name', 'Patient_Name', '
    required');
    $this->form_validation->set_rules('
    birthdate', 'Birthdate', 'required');
    $this->form_validation->set_rules('sex', '
    Sex', 'required');
    $this->form_validation->set_rules('
    occupation', 'Occupation', 'required')
    ;
    $this->form_validation->set_rules('
    addr_region', 'Region', 'required');
    if($user['role']=='phw')
    $this->form_validation->set_rules('
    addr_province', 'Province', 'required|
    callback_provinceCheck');
    if($user['role']=='cmhw'){
        $this->form_validation->set_rules('
        addr_citymuni', 'Municipality', '
        required|callback_municipalityCheck');
        $this->form_validation->set_rules('
        addr_province', 'Province', 'required|
        callback_provinceCheck');
    }
    if($user['role']=='bhw'){
        $this->form_validation->set_rules('
        addr_barangay', 'Barangay', 'required|
        callback_barangayCheck');
        $this->form_validation->set_rules('
        addr_citymuni', 'Municipality', '
        required|callback_municipalityCheck');
        $this->form_validation->set_rules('
        addr_province', 'Province', 'required|
        callback_provinceCheck');
    }
}
    $data['title'] = 'Patient';
    $data['user'] = $user;
    $data['username'] = $user['username'];
    if ($this->form_validation->run() ==
    FALSE){ // inputs didn't pass
        validation
    }
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('form_patient', $data);
    $this->load->view('templates/footer');
}
else{
    $this->patient_model->add_patient();
    $data['title'] = 'Patient added!';
    $output = $this->patient_model->
    get_mypatientsreview();
    $data['output'] = $output;
    $user = $this->user_model->get_currentUser
    ();
    $data['role'] = $user['role'];
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('mypatients_review',
    $data);
    $this->load->view('templates/footer');
}
}
function provinceCheck($place){
    $user = $this->user_model->get_currentUser
    ();
    if($user['stringaddr_province']!= $place){
        $this->form_validation->set_message('
        provinceCheck', 'Does_not_match_with_
        user_province');
        return FALSE;
    }
    return TRUE;
}
function municipalityCheck($place){
    $user = $this->user_model->get_currentUser
    ();
    if($user['stringaddr_citymuni']!= $place){
        $this->form_validation->set_message('
        municipalityCheck', 'Does_not_match_
        with_user_municipality');
        return FALSE;
    }
    return TRUE;
}
function barangayCheck($place){
    $user = $this->user_model->get_currentUser
    ();
    if($user['stringaddr_barangay']!= $place){
        $this->form_validation->set_message('
        barangayCheck', 'Does_not_match_with_
        user_barangay');
        return FALSE;
    }
    return TRUE;
}
public function voidPatient($patient_ID){
    $this->patient_model->void_patient(
    $patient_ID);
    $data['successvoid'] = TRUE;
    $data['title'] = 'Data_voided!';
    $output = $this->patient_model->
    get_mypatientsreview();
    $data['output'] = $output;
    $user = $this->user_model->get_currentUser
    ();
    $data['role'] = $user['role'];
    $data['username'] = $user['username'];
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('mypatients_review',
    $data);
    $this->load->view('templates/footer');
}
public function editPatient($patient_ID){
    $data['records'] = TRUE;
    $user = $this->user_model->get_currentUser
    ();
    $output = $this->patient_model->
    get_patient($patient_ID);
    $data['output'] = $output[0];
    $data['edit'] = TRUE;
    $data['title'] = "Patient";
    $this->load->library('form_validation');
    $this->form_validation->set_rules('
    patient_name', 'Patient_Name', '
    required');
    $this->form_validation->set_rules('
    occupation', 'Occupation', 'required')
    ;
    $this->form_validation->set_rules('
    addr_province', 'Province', 'required|
    callback_placeCheck');
    $this->form_validation->set_rules('
    addr_citymuni', 'Municipality', '
    required|callback_placeCheck');
    $this->form_validation->set_rules('
}

```

```

        addr_barangay', 'Barangay', 'required |
        callback_placeCheck');
    if ($user['role']=='phw')
    $this->form_validation->set_rules('
        addr_province', 'Province', 'required |
        callback_provinceCheck');
    if ($user['role']=='cmhw'){
    $this->form_validation->set_rules('
        addr_citymuni', 'Municipality', ,
        required | callback_municipalityCheck');
    $this->form_validation->set_rules('
        addr_province', 'Province', 'required |
        callback_provinceCheck');
    }
    if ($user['role']=='bhw'){
    $this->form_validation->set_rules('
        addr_barangay', 'Barangay', 'required |
        callback_barangayCheck');
    $this->form_validation->set_rules('
        addr_citymuni', 'Municipality', ,
        required | callback_municipalityCheck');
    $this->form_validation->set_rules('
        addr_province', 'Province', 'required |
        callback_provinceCheck');
    }
    if ($this->form_validation->run() ==
    FALSE){ // inputs didn't pass
    validation
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('form_patient', $data);
    $this->load->view('templates/footer');
    }
    else{
    $data['successedit'] = TRUE;
    $this->patient_model->edit_patient(
    $patient_ID);
    $data['title'] = 'Patient_Data_edited!';
    $output = $this->patient_model->
    get_mypatientsreview();
    $data['output'] = $output;
    $data['role'] = $user['role'];
    $data['username'] = $user['username'];
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('mypatients_review',
    $data);
    $this->load->view('templates/footer');
    }
    }
    public function addSample($type){
    $data['records'] = TRUE;
    $data['title'] = $this->get_title($type);
    $this->load->library('form_validation');
    $this->form_validation->set_rules('
    sample_name', 'Item', 'required');
    $this->form_validation->set_rules('
    collected_by', 'Collected_By', ,
    'required');
    $this->form_validation->set_rules('
    collection_date', 'Collection_Date', ,
    'required');
    $this->form_validation->set_rules('
    addr_region', 'Region', 'required');
    $this->form_validation->set_rules('
    addr_province', 'Province', 'required |
    callback_placeCheck');
    $this->form_validation->set_rules('
    addr_citymuni', 'Municipality', ,
    'required | callback_placeCheck');
    $this->form_validation->set_rules('
    addr_barangay', 'Barangay', 'required |
    callback_placeCheck');
    $this->form_validation->set_rules('
    microorganism', 'Microorganism', ,
    'required');
    $this->form_validation->set_rules('
    samplecount', 'No._of_samples', ,
    'required');
    $this->form_validation->set_rules('
    microorganismcount', 'No._of_
    microorganisms', 'required');
    $this->form_validation->set_rules('
    tested_by', 'Tested_By', 'required');
    $this->form_validation->set_rules('
    test_date', 'Test_Date', 'required');
    $data['type'] = $type;
    if ($this->form_validation->run() ==
    FALSE){ // inputs didn't pass
    validation
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('form_'.$type, $data);
    $this->load->view('templates/footer');
    }
    else{
    $this->sample_model->add_sample($type);
    $data['title'] = 'Sample_added!';
    $output = $this->sample_model->
    get_mysamplesreview($type);
    $data['output'] = $output;
    $user = $this->user_model->get_currentUser
    ();
    $data['role'] = $user['role'];
    $data['username'] = $user['username'];
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('my_'.$type.'_review',
    $data);
    $this->load->view('templates/footer');
    }
    }
    public function approveSample($type){
    $data['records'] = TRUE;
    $data['success'] = TRUE;
    $user = $this->user_model->get_currentUser
    ();
    $data['title'] = $this->get_title($type);
    $data['username'] = $user['username'];
    if ($user['role']=='nec'){
    $output = $this->sample_model->
    get_necmysamplesapproved($type);
    $data['output'] = $output;
    $data['role'] = $user['role'];
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('my_'.$type.'_review',
    $data);
    $this->load->view('templates/footer');
    }
    else{
    $output = $this->sample_model->
    get_mysamplesapproved($type);
    $data['output'] = $output;
    $data['role'] = $user['role'];
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('my_'.$type.'_approved',
    $data);
    $this->load->view('templates/footer');
    }
    }
    public function viewMySamplesReview($type)
    {
    $data['records'] = TRUE;
    $output = $this->sample_model->
    get_mysamplesreview($type);
    $data['output'] = $output;
    $user = $this->user_model->get_currentUser
    ();
    $data['role'] = $user['role'];
    $data['title'] = $this->get_title($type);
    $data['username'] = $user['username'];
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('my_'.$type.'_review',
    $data);
    $this->load->view('templates/footer');
    }
    public function viewMySamplesApproved(
    $type){
    $data['records'] = TRUE;
    $output = $this->sample_model->
    get_mysamplesapproved($type);
    $user = $this->user_model->get_currentUser
    ();
    $data['role'] = $user['role'];
    $data['username'] = $user['username'];
    $data['output'] = $output;
    $data['title'] = $this->get_title($type);
    $this->load->view('templates/header',
    $data);
    $this->load->view('templates/menu');
    $this->load->view('my_'.$type.'_approved',
    $data);
    $this->load->view('templates/footer');
    }
    public function viewSamples($type){
    $user = $this->user_model->get_currentUser
    ();
    $data['role'] = $user['role'];
    $data['username'] = $user['username'];
    $data['records'] = TRUE;
    $output = $this->sample_model->
    get_publishedsamples($type);

```

```

$data['output'] = $output;
$data['title'] = $this->get_title($type);
$this->load->view('templates/header',
    $data);
$this->load->view('templates/menu');
$this->load->view($type."_view", $data);
$this->load->view('templates/footer');
}
public function voidSample($sample_ID){
$this->sample_model->void_sample(
    $sample_ID);
$data['successvoid'] = TRUE;
$data['title'] = 'Data_voided!';
$output = $this->sample_model->get_sample(
    $sample_ID);
$data['output'] = $output[0];
$type = $output[0]['sample_type'];
$output = $this->sample_model->
    get_mysamplesreview($type);
$data['output'] = $output;
$user = $this->user_model->get_currentUser
    ();
$data['role'] = $user['role'];
$data['username'] = $user['username'];
$this->load->view('templates/header',
    $data);
$this->load->view('templates/menu');
$this->load->view('my' . $type . '_review',
    $data);
$this->load->view('templates/footer');
}
public function editSample($sample_ID){
$data['records'] = TRUE;
$output = $this->sample_model->get_sample(
    $sample_ID);
$data['output'] = $output[0];
$type = $output[0]['sample_type'];
$data['edit'] = TRUE;
$data['title'] = $this->get_title($type);
$this->load->library('form_validation');
$this->form_validation->set_rules('
    sample_name', 'Item', 'required');
$this->form_validation->set_rules('
    collected_by', 'Collected_By', '
    required');
$this->form_validation->set_rules('
    collection_date', 'Collection_Date', '
    required');
$this->form_validation->set_rules('
    addr_region', 'Region', 'required');
$this->form_validation->set_rules('
    addr_province', 'Province', 'required |
    callback_placeCheck');
$this->form_validation->set_rules('
    addr_citymuni', 'Municipality', '
    required | callback_placeCheck');
$this->form_validation->set_rules('
    addr_barangay', 'Barangay', 'required |
    callback_placeCheck');
$this->form_validation->set_rules('
    microorganism', 'Microorganism', '
    required');
$this->form_validation->set_rules('
    samplecount', 'No._of_samples', '
    required');
$this->form_validation->set_rules('
    microorganismcount', 'No._of_
    microorganisms', 'required');
$this->form_validation->set_rules('
    tested_by', 'Tested_By', 'required');
$this->form_validation->set_rules('
    test_date', 'Test_Date', 'required');
$data['type'] = $type;
if ($this->form_validation->run() ===
    FALSE){ // inputs didn't pass
    validation
    $this->load->view('templates/header',
        $data);
    $this->load->view('templates/menu');
    $this->load->view('form_'.$type, $data);
    $this->load->view('templates/footer');
}
else{
    $data['successedit'] = TRUE;
    $this->sample_model->edit_sample(
        $sample_ID);
    $data['title'] = 'Data_edited!';
    $output = $this->sample_model->
        get_mysamplesreview($type);
    $data['output'] = $output;
    $user = $this->user_model->get_currentUser
        ();
    $data['role'] = $user['role'];
    $data['username'] = $user['username'];
    $this->load->view('templates/header',
        $data);
    $this->load->view('templates/menu');
    $this->load->view('my' . $type . '_review',
        $data);
    $this->load->view('templates/footer');
}
}
function get_title($type){
    switch ($type) {
        case 'processedfood':
            $title = 'Processed_Food_Samples';
            break;
        case 'animal':
            $title = 'Animal_Samples';
            break;
        case 'meat':
            $title = 'Meat_Samples';
            break;
        case 'fish':
            $title = 'Fish_Samples';
            break;
        case 'plant':
            $title = 'Fruit_and_Vegetable_Samples';
            break;
        case 'dairy':
            $title = 'Dairy_Samples';
            break;
        case 'water':
            $title = 'Water_Sampling_Points';
            break;
        default:
            break;
    }
    return $title;
}
}

```

reports.php

```

<?php if ( ! defined('BASEPATH')) exit('No
    _direct_script_access_allowed');
class Reports extends CI_Controller {
public function __construct(){
parent::__construct();
$this->load->model(array('patient_model', '
    establishment_model', 'user_model', '
    sample_model', 'reports_model'));
}
public function viewReports($type)
{
    $data['title'] = "Reports";
    $data['reports'] = TRUE;
    $data['outputMonthly'] = $this->
        reports_model->get_monthly($type);
    $data['outputRegion'] = $this->
        reports_model->get_region($type);
    $data['type'] = $type;
    $this->load->view('templates/header', $data
        );
    $this->load->view('templates/menu');
    $this->load->view('reports_page', $data);
    $this->load->view('templates/footer');
}
}

```

user.php

```

<?php if ( ! defined('BASEPATH')) exit('No
_direct_script_access_allowed');
class User extends CI_Controller {
public function __construct(){
parent::__construct();
$this->load->model(array('login_model', '
user_model'));
}
public function login(){
$this->load->helper('url');
$this->load->library('session');
$data['title'] = "Login";
$this->load->helper('form');
$this->load->library('form_validation');
$this->form_validation->set_rules('
username', 'User_Name', 'required');
$this->form_validation->set_rules('
password', 'Password', 'required');
$password = $this->input->post('password');
;
$username = $this->input->post('username')
;
$hash = md5($password);
if ($this->form_validation->run() ==
FALSE){ // inputs didn't pass
validation
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$this->load->view('login_page');
$this->load->view('templates/footer');
}
else{
if (($username&&$hash)) {
$this->session->set_userdata('username',
$username);
$this->session->set_userdata('password',
$password);
$row = $this->login_model->get_user(
$username, $hash);
if($row == false){
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$data['login_problem'] = "invalid";
$this->load->view('login_page', $data);
$this->load->view('templates/footer');
}else if($row == 'locked'){
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$data['login_problem'] = "locked";
$this->load->view('login_page', $data);
$this->load->view('templates/footer');
}else{
$data['home'] = FALSE;
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$this->load->view('home_page');
$this->load->view('templates/footer');
}
}
}
}
public function enableAccount($user_ID){
$this->user_model->enable_account($user_ID
);
$user = $this->user_model->get_currentUser
();
$subordinates = $this->user_model->
get_subordinates($user['user_ID']);
$data['title'] = 'User_Accounts';
$data['subordinates'] = $subordinates;
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$this->load->view('user_accounts',$data);
$this->load->view('templates/footer');
}
public function disableAccount($user_ID){
$this->user_model->disable_account(
$user_ID);
$user = $this->user_model->get_currentUser
();
$subordinates = $this->user_model->
get_subordinates($user['user_ID']);
$data['title'] = 'User_Accounts';
$data['subordinates'] = $subordinates;
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$this->load->view('user_accounts',$data);
$this->load->view('templates/footer');
}
}

```

```

public function userCredentials(){
$user = $this->user_model->get_currentUser
();
$supervisor = $this->user_model->get_user(
$user['supervisor_ID']);
$data['user'] = $user;
$data['supervisor'] = $supervisor;
$data['title'] = 'User_Credentials';
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$this->load->view('user_credentials',
$data);
$this->load->view('templates/footer');
}
public function userAccounts(){
$user = $this->user_model->get_currentUser
();
$subordinates = $this->user_model->
get_subordinates($user['user_ID']);
$data['title'] = 'User_Accounts';
$data['subordinates'] = $subordinates;
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$this->load->view('user_accounts',$data);
$this->load->view('templates/footer');
}
public function editDetails(){
$data['title'] = 'User_Accounts';
$user = $this->user_model->get_currentUser
();
$supervisor = $this->user_model->get_user(
$user['supervisor_ID']);
$data['user'] = $user;
$data['supervisor'] = $supervisor;
$this->load->library('form_validation');
$this->form_validation->set_rules('
firstname', 'First_Name', 'required');
$this->form_validation->set_rules('
lastname', 'Last_Name', 'required');
$this->form_validation->set_rules('email',
'E-mail_Address', 'required|
valid_email');
$this->form_validation->set_rules('
svusername', 'Supervisor_Username',
required|callback_svusername_check');
if ($this->form_validation->run() ==
FALSE){ // inputs didn't pass
validation
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$this->load->view('edit_userdetails',$data
);
$this->load->view('templates/footer');
}
else{
$this->user_model->edit_user();
$data['title'] = 'User_account_edited!';
$data['success'] = TRUE;
$user = $this->user_model->get_currentUser
();
$supervisor = $this->user_model->get_user(
$user['supervisor_ID']);
$data['user'] = $user;
$data['supervisor'] = $supervisor;
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$this->load->view('user_credentials');
$this->load->view('templates/footer');
}
}
public function changePassword(){
$data['title'] = 'User_Accounts';
$user = $this->user_model->get_currentUser
();
$supervisor = $this->user_model->get_user(
$user['supervisor_ID']);
$data['user'] = $user;
$data['supervisor'] = $supervisor;
$this->load->library('form_validation');
$config=array(
array(
'field' => 'old_password',
'label' => 'oldpass',
'rules' => 'trim|required|
callback_oldpassword_check' // Note:
Notice added callback verifier.
),
array(
'field' => 'conf_password',
'label' => 'connewpass',
'rules' => 'trim|required|matches[
password]'

```

```

),
array(
'field' => 'password',
'label' => 'newpass',
'rules' => 'trim|required'
);
$this->form-validation->set_rules($config);
$username = $user['username'];
$password = $this->input->post('password');
$hash = md5($password);
if ($this->form-validation->run() ==
FALSE){ // inputs didn't pass
validation
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$this->load->view('change-password',$data);
}
$this->load->view('templates/footer');
}
else{
$this->user-model->change-password($user,
$hash);
$data['title'] = 'User_account_edited!';
$data['success'] = TRUE;
$user = $this->user-model->get-currentUser
();
$supervisor = $this->user-model->get-user(
$user['supervisor_ID']);
$data['user'] = $user;
$data['supervisor'] = $supervisor;
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$this->load->view('user_credentials');
$this->load->view('templates/footer');
}
}
function oldpassword_check($old_password){
$old_password_hash = md5($old_password);
$user = $this->user-model->get-currentUser
();
$old_password_db_hash = $user['password'];
if($old_password_hash !=
$old_password_db_hash)
{
$this->form-validation->set_message('
oldpassword_check', 'Old_password_not_
match');
return FALSE;
}
return TRUE;
}
public function logout() {
$this->load->helper('url'); // use helper
for linking external files (css, js,
etc.) to view files
$user_id = $this->session->userdata('
user_id');
$logged = "no";
$this->load->model('login_model');
$this->login_model->update_users_activity(
$user_id, $logged);
$this->session->sess_destroy();
$data['title'] = "Login";
$data['home'] = TRUE;
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$this->load->view('home_page');
$this->load->view('templates/footer');
}
}
}
public function register() {
$data['register'] = TRUE;
$captcha_answer = $this->input->post('g-
recaptcha-response');
$response = $this->recaptcha->
verifyResponse($captcha_answer);
$this->load->library('form_validation');
$this->form-validation->set_rules('
firstname', 'First_Name', 'required');
$this->form-validation->set_rules('
lastname', 'Last_Name', 'required');
$this->form-validation->set_rules('email',
'E-mail_Address', 'required|
valid_email|is_unique[user.email]');
$this->form-validation->set_rules('
institution', 'Institution_&_Role', '
required');
$this->form-validation->set_rules('
svusername', 'Supervisor_Username', '
required|callback_svusername_check');
$this->form-validation->set_rules('
addr_province', 'Province', '
callback_placeCheck');
$this->form-validation->set_rules('
addr_citymuni', 'Municipality', '
callback_placeCheck');
$this->form-validation->set_rules('
addr_barangay', 'Barangay', '
callback_placeCheck');
$this->form-validation->set_rules('
username', 'Username', 'required|trim|
xss_clean|is_unique[user.username]');
$this->form-validation->set_rules('
password', 'Password', 'required|trim'
);
$this->form-validation->set_rules('
conf_password', 'Confirm_Password', '
required|trim|matches[password]');
$data['title'] = 'Create_an_Account';
if ($this->form-validation->run() ==
FALSE || $response['success']==NULL){
// inputs didn't pass validation
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$this->load->view('user_registration',
$data);
$this->load->view('templates/footer');
}
else{
$this->user-model->add_user();
$data['title'] = 'Account_request_sent!';
$data['success'] = TRUE;
$this->load->view('templates/header',
$data);
$this->load->view('templates/menu');
$this->load->view('login_page');
$this->load->view('templates/footer');
}
}
}
function svusername_check($svusername){
$svexists = $this->user-model->
find_username($svusername);
if($svexists){
return TRUE;
}
else{
$this->form-validation->set_message('
svusername_check', 'Supervisor_not_
found. ');
return FALSE;
}
}
}
}
}
}
}

```

3. Models

complaints_model.php

```

<?php
class Complaints_model extends CI_Model {
public function __construct()
{
    $this->load->database();
    }
public function add_complaint(){
date_default_timezone_set('Asia/Manila');
}
}

```

```

$dateTime = date('Y-m-d_H:i:s');
$data = array(
    'complainant' => $this->input->post('name'),
    'email' => $this->input->post('email'),
    'category' => $this->input->post('category'),
    'subject' => $this->input->post('subject'),
    'message' => $this->input->post('message'),
    'dateTime' => $dateTime
);
$this->db->insert('complaints', $data);
return;
}
public function get_allcomplaints($role){
    switch ($role) {
        case 'fda':
            $this->db->where('category', 'Processed_Food_Samples');
            break;
        case 'bai':
            $this->db->where('category', 'Animal_Samples');
            break;
        case 'nmis':
            $this->db->where('category', 'Meat_Samples');
            break;
        case 'bfar':
            $this->db->where('category', 'Seafood_Samples');
            break;
        case 'bpi':
            $this->db->where('category', 'Fruit_and_Vegetable_Samples');
            break;
        case 'nda':
            $this->db->where('category', 'Dairy_Samples');
            break;
        case 'nrl':
            $this->db->where('category', 'Water_Samples');
            break;
        case 'nec':
            break;
        default:
            break;
    }
    $query1 = $this->db->get('complaints');
    $array1 = $query1->result_array();
    return $array1;
}
function get_currentUser(){
    $this->db->select('user_ID');
    $query1 = $this->db->get('sessions');
    $row1 = $query1->row_array();
    $this->db->where('user_ID', $row1['user_ID']);
    $this->db->select('username, _user_ID, _supervisor_ID, _role');
    $query2 = $this->db->get('user');
    $row2 = $query2->row_array();
    return $row2;
}
}
?>

```

forum_model.php

```

<?php
class Forum_model extends CI_Model {
    public function __construct()
    {
        $this->load->database();
    }
    public function add_thread(){
        $originalOwner = $this->get_currentUser();
        date_default_timezone_set('Asia/Manila');
        $dateTime = date('Y-m-d_H:i:s');
        $data = array(
            'topic' => $this->input->post('topic'),
            'category' => $this->input->post('category'),
            'topic' => $this->input->post('topic'),
            'owner' => $originalOwner['username'],
            'dateTime' => $dateTime
        );
        $this->db->insert('thread', $data);
        $query1 = $this->db->get('thread');
        $array1 = $query1->result_array();
        $thread_ID = $array1[count($array1)-1]['thread_ID'];
        $data2 = array(
            'thread_ID' => $thread_ID,
            'comment' => $this->input->post('comment'),
            'owner' => $originalOwner['username'],
            'dateTime' => $dateTime
        );
        $this->db->insert('comment', $data2);
        return;
    }
    public function add_comment($thread_ID){
        $originalOwner = $this->get_currentUser();
        date_default_timezone_set('Asia/Manila');
        $dateTime = date('Y-m-d_H:i:s');
        $data = array(
            'thread_ID' => $thread_ID,
            'comment' => $this->input->post('comment'),
            'owner' => $originalOwner['username'],
            'dateTime' => $dateTime
        );
        $this->db->insert('comment', $data);
        return;
    }
    public function delete_comment($comment_ID)
    {
        $this->db->where('comment_ID', $comment_ID);
        $this->db->delete('comment');
    }
    public function get_threadFromComment($comment_ID){
        $this->db->where('comment_ID', $comment_ID);
        $query1 = $this->db->get('comment');
        $array1 = $query1->row_array();
        return $array1;
    }
    public function get_thread($thread_ID){
        $this->db->where('thread_ID', $thread_ID);
        $query1 = $this->db->get('thread');
        $array1 = $query1->row_array();
        return $array1;
    }
    public function get_allthreads(){
        $query1 = $this->db->get('thread');
        $array1 = $query1->result_array();
        return $array1;
    }
    public function get_allcomments($thread_ID)
    {
        $this->db->where('thread_ID', $thread_ID);
        $query1 = $this->db->get('comment');
        $array1 = $query1->result_array();
        return $array1;
    }
    function get_currentUser(){
        $this->db->select('user_ID');
        $query1 = $this->db->get('sessions');
        $row1 = $query1->row_array();
        $this->db->where('user_ID', $row1['user_ID']);
        $this->db->select('username, _user_ID, _supervisor_ID, _role');
        $query2 = $this->db->get('user');
        $row2 = $query2->row_array();
        return $row2;
    }
}
?>

```

login_model.php


```

<?php
class Login_model extends CI_Model {
var $account_locked, $locked, $logged;
public function __construct(){
parent::__construct();
$this->load->database();
$this->account_locked = 'locked';
$this->locked = 'yes';
$this->logged = "yes";
}
public function get_user($username, $hash)
{
$query = $this->db->query("SELECT_*_FROM_
user_WHERE_Username_='{$username}'_
AND_Password_='{$hash}'");
if ($query->num_rows() > 0) {
$query = $query->row_array();
$uID = $query['user.ID'];
$account_status = $query['locked_status'];
if ($account_status == 'yes') {
return $this->account_locked;
}
$user_id = $query['user.ID'];
if (!$this->session->userdata('user_id
')) {
$this->session->set_userdata('user_id'
, $user_id);
}
$user_name = $query['username'];
$user_password = $query['password'];
if ($hash != $user_password) {
$this->session->userdata('session_id');
return ($this->update_session(
$this->session_id, $user_id));
}
} else if (($hash == $user_password)) {
$userdata = array('user_id' => $user_id, '
user_name' => $user_name);
$this->session->set_userdata($userdata
);
$this->update_users_activity($user_id,
$this->logged);
$this->session_start = time();
$this->session_id = $this->session->userdata
('session_id');
$this->db->where('session_id',
$this->session_id);
$this->db->update('sessions', array('
session_start' => $this->session_start, '
user_id' => $user_id));
return true;
}
} else {
return false;
}
}

```

```

}
}
function update_session($session_id,
$user_id) {
$attempt = isset($this->session->userdata[
'login_attempt']);
if ($attempt == 0) {
$this->session->set_userdata('
login_attempt',1);
return false;
} else if ($attempt > 0) {
$attempt = $this->session->userdata['
login_attempt'] + 1;
$this->session->set_userdata('
login_attempt',$attempt);
}
if ($attempt == 5) {
$this->lock_user_account($user_id);
return $this->account_locked;
} else {
return false;
}
}
function lock_user_account($user_id) {
$this->db->where('user.ID', $user_id);
$this->db->update('user', array('
locked_status' => $this->locked));
$this->session->sess_destroy();
}
function update_users_activity($user_id,
$logged) {
$this->db->where('user.ID', $user_id);
$this->db->update('user', array('
logged_in' => $logged));
}
function update_session_start($user_id,
$session_id) {
$this->session_start = time();
$this->db->where('session_id',
$session_id);
$this->db->update('sessions', array('
session_start' => $this->session_start, '
user_id' => $user_id));
}
function update_session_end($user_id,
$session_id) {
$this->session_end = time();
$this->db->where('session_id',
$session_id);
$this->db->update('sessions', array('
session_end' => $this->session_end, 'user_id
' => $user_id));
}
}
?>

```

map_model.php

```

<?php
class Map_model extends CI_Model {
public function __construct(){
$this->load->database();
}
public function get_patientsProvince(){
$this->db->where('patientCount!=' , 0);
$this->db->select('id,name,patientCount');
$query1 = $this->db->get('geocode');
$output = $query1->result_array();
return $output;
}
public function getFilterQuery(){
$visualization = $this->input->post('
visualization');
$sources = $this->input->post('sources');
$age = $this->input->post('age');
$sex = $this->input->post('sex');
$microorganism = $this->input->post('
microorganism');
if ($visualization==NULL && $sources==NULL
&& $age==NULL && $sex==NULL &&
$microorganism==NULL){
$visualization = "regional";
$sources = "human";
$age = "All";
$sex = "All";
$microorganism = "All";
}
if ($sources=='human'){

```

```

$visualizationlevel = $this->
getLevelPatient($visualization, $age,
$sex, $microorganism);
} else {
$visualizationlevel = $this->
getLevelSample($visualization,
$sources, $microorganism);
}
foreach ($visualizationlevel as $level) {
foreach ($level as $index) {
if (is_string($index)){
$count = substr($index, 0, strpos($index,
":"));
$area = substr($index, strpos($index,":")+1);
$header = substr($area, 0, strpos($area,"@")+1);
$key = substr($area, strpos($area,"@")+1);
if (strpos($key, '/')!=false){
//for region
$position = substr($key, strpos($key, "/")+1);
$title = substr($key, 0, strpos($key, "/"));
$marker['title'] = $title;
$marker['position'] = $position;
$marker['infowindow.content'] = "<b>".
$header."</b>".ucwords($title)."<br
/><b>No. of Cases:</b>". $count;

```

```

} else {
    //for other visualization
    $marker['position'] = $key;
    $marker['title'] = $key;
    $marker['infowindow_content'] = "<b>".
        $header."</b>".ucwords($key)."<br/><
        b>No. of Cases:</b>". $count;
    }
    $marker['animation'] = "DROP";
    $marker['icon'] = base_url('assets/img/'.
        $sources.'.png');
    if(intval($count)>=5){
        $marker['icon_scaledSize'] = '27,37.5';
    }elseif (intval($count)>10) {
        $marker['icon_scaledSize'] = '40,56';
    }else{
        $marker['icon_scaledSize'] = '18,25';
    }
    $this->googlemaps->add_marker($marker);
    }
    }
    }
    public function getLevelSample(
        $visualization, $sources,
        $microorganism){
        switch ($visualization) {
        case "regional":
            $i = 1;
            $regionArray = array();
            while ($i < 18){
                $count = 0;
                $src = $i * 10000000;
                $this->db->where('addr_region', $src);
                $query1 = $this->db->get('address');
                $array1 = $query1->result_array();
                $sampleArray = array();
                foreach ($array1 as $value){
                    //loop among addresses with
                    region $src
                    $this->db->where('address_ID', $value['
                    address_ID']);
                    $this->db->where('sample_type', $sources);
                    if($microorganism!='All')
                    $this->db->where('microorganism',
                    $microorganism);
                    $this->db->where('for_publishing', 1);
                    $query2 = $this->db->get('sample');
                    $array2 = $query2->row_array();
                    if($query2->num_rows() > 0){
                        $count++;
                        array_push($sampleArray, $array2);
                    }
                    if($count > 0){
                        $regionResult = $this->regionQuery($i);
                        $region = substr($regionResult, 0, strpos(
                            $regionResult, '/'));
                        $province = substr($regionResult, strpos(
                            $regionResult, '/'));
                        $province = strval($count).":Region@" .
                            $region."/". $province;
                        array_push($regionArray, array($province,
                            $sampleArray));
                    }
                    $i++;
                }
                return $regionArray;
                break;
                case "provincial":
                    $i = 1;
                    $provinceArray = array();
                    while ($i < 18){
                        $pc = $i * 10000000;
                        $j = $i + 1;
                        $npc = $j * 10000000;
                        $geocodeQuery = 'SELECT_*_FROM_geocode_
                            WHERE_id_>_'. $pc. '_AND_id_<_'. $npc. '_
                            AND_(id_%_100000)_=_0';
                        $query2 = $this->db->query($geocodeQuery);
                        $geocodes = $query2->result_array();
                        foreach ($geocodes as $province) {
                            $count = 0;
                            $this->db->where('addr_province',
                                $province['id']);
                            $query1 = $this->db->get('address');
                            $array1 = $query1->result_array();
                            $sampleArray = array();
                            foreach ($array1 as $value){
                                $this->db->where('address_ID', $value['
                                    address_ID']);
                                $this->db->where('sample_type', $sources);
                                if($microorganism!='All')
                            }
                            $this->db->where('microorganism',
                                $microorganism);
                                $this->db->where('for_publishing', 1);
                                $query2 = $this->db->get('sample');
                                $array2 = $query2->row_array();
                                if($query2->num_rows() > 0){
                                    $count++;
                                    array_push($sampleArray, $array2);
                                }
                                if ($count > 0){
                                    $muni = strval($count).":Municipality@" .
                                        $microorganism."/". $province.
                                        $parentMunicipality;
                                    array_push($municipalityArray, array($muni,
                                        $sampleArray));
                                }
                            }
                            $i++;
                        }
                        return $municipalityArray;
                        break;
                        case "barangay":
                            $i = 1;
                            $barangayArray = array();
                            while ($i < 18){
                                $pc = $i * 10000000;
                                $j = $i + 1;
                                $npc = $j * 10000000;
                                $geocodeQuery = 'SELECT_*_FROM_geocode_
                                    WHERE_id_>_'. $pc. '_AND_id_<_'. $npc. '_
                                    AND_NOT_(id_%_100000)_=_0';
                                $query2 = $this->db->query($geocodeQuery);
                                $geocodes = $query2->result_array();
                                $parentBarangay = "";
                                foreach ($geocodes as $barangay) {
                                    $count = 0;
                                    if ($barangay['id'] % 1000 == 0){
                                        $parentBarangay = $barangay['name'];
                                        continue;
                                    }
                                    $this->db->where('addr_barangay', $barangay
                                        ['id']);
                                    $query1 = $this->db->get('address');
                                    $array1 = $query1->result_array();
                                    $sampleArray = array();
                                }
                            }
                        }
                    }
                }
            }
        }
    }
}

```

```
foreach ($array1 as $value){
$sthis->db->where('address_ID', $value['
address_ID ']);
$sthis->db->where('sample_type', $sources);
if ($microorganism!="" All")
$sthis->db->where('microorganism',
    $microorganism);
$sthis->db->where('for_publishing',1);
$query2 = $sthis->db->get('sample');
$array2 = $query2->row_array();
if ($query2->num_rows()>0){
$count++;
array_push($sampleArray, $array2);
}
}
if ($count>0){
$parentBarangay = strval($count).":
    Barangay@".$barangay['name'] . ",";
$parentBarangay;
array_push($barangayArray, array(
    $parentBarangay, $sampleArray));
}
}
}
}
return $barangayArray;
break;
default:
break;
}
}
public function getLevelPatient(
    $visualization, $age, $sex,
    $microorganism){
switch ($visualization) {
case "regional":
$regionArray = array();
while ($i < 18){
$count = 0;
$src = $i * 10000000;
$sthis->db->where('addr_region', $src);
if ($age!=" All")
$sthis->ageQuery($age);
if ($sex!=" All")
$sthis->db->where('sex', $sex);
if ($microorganism!=" All")
$sthis->db->where('stoolculture',
    $microorganism);
$sthis->db->where('for_publishing',1);
$sthis->db->select('patient_ID,
    patient_name, _birthdate, _age, sex,
    occupation, _addr_region, _addr_province
    _addr_citymuni, _addr_barangay,
    patient_admitted, _admitdate, _onsetdate
    _case_classification, _outcome,
    deathdate, _toiletfacility, _fooddrink,
    stoolculture, _prevOwner, _currOwner,
    for_publishing, dateTime');
$query1 = $sthis->db->get('patient');
$output = $query1->result_array();
if ($query1->num_rows()>0){
$count = $query1->num_rows();
$regionResult = $sthis->regionQuery($i);
$region = substr($regionResult, 0, strpos(
    $regionResult, '/'));
$province = substr($regionResult, strpos(
    $regionResult, '/'));
$province = strval($count).":Region@";
    $region .", ",".$province;
array_push($regionArray, array($province,
    $output));
}
}
return $regionArray;
break;
case "provincial":
$provinceArray = array();
while ($i < 18){
$count = 0;
$pc = $i * 10000000;
$sj = $i+1;
$npc = $j * 10000000;
$geocodeQuery = 'SELECT_*_FROM_geocode_
    WHERE_id_>_'. $pc. ' _AND_id_<_'. $npc. ' _
    AND_(id_<_100000)_=_0';
$query2 = $sthis->db->query($geocodeQuery);
$geocodes = $query2->result_array();
foreach ($geocodes as $province) {
$sthis->db->where('addr_province', $province
    ['id']);
$sthis->db->where('for_publishing',1);
if ($age!=" All")
$sthis->ageQuery($age);
if ($sex!=" All")
$sthis->db->where('sex', $sex);
if ($microorganism!=" All")
$sthis->db->where('stoolculture',
    $microorganism);
$sthis->db->select('patient_ID,
    patient_name, _birthdate, _sex,
    occupation, _addr_region, _addr_province
    _addr_citymuni, _addr_barangay,
    patient_admitted, _admitdate, _onsetdate
    _case_classification, _outcome,
    deathdate, _toiletfacility, _fooddrink,
    stoolculture, _prevOwner, _currOwner,
    for_publishing, dateTime');
$query1 = $sthis->db->get('patient');
$output = $query1->result_array();
if ($query1->num_rows()>0){
$count = $query1->num_rows();
$prov = strval($count).":Province@";
    $province ['name'];
array_push($provinceArray, array($prov,
    $output));
}
}
return $provinceArray;
break;
case "municipal":
$munArray = array();
while ($i < 18){
$count = 0;
$pc = $i * 10000000;
$sj = $i+1;
$npc = $j * 10000000;
$geocodeQuery = 'SELECT_*_FROM_geocode_
    WHERE_id_>_'. $pc. ' _AND_id_<_'. $npc. ' _
    AND_NOT_(id_<_100000)_=_0_AND_(id_<_
    1000)_=_0';
$query2 = $sthis->db->query($geocodeQuery);
$geocodes = $query2->result_array();
foreach ($geocodes as $municipality) {
$sthis->db->where('addr_citymuni',
    $municipality ['id']);
$sthis->db->where('for_publishing',1);
if ($age!=" All")
$sthis->ageQuery($age);
if ($sex!=" All")
$sthis->db->where('sex', $sex);
if ($microorganism!=" All")
$sthis->db->where('stoolculture',
    $microorganism);
$sthis->db->select('patient_ID,
    patient_name, _birthdate, _sex,
    occupation, _addr_region, _addr_province
    _addr_citymuni, _addr_barangay,
    patient_admitted, _admitdate, _onsetdate
    _case_classification, _outcome,
    deathdate, _toiletfacility, _fooddrink,
    stoolculture, _prevOwner, _currOwner,
    for_publishing, dateTime');
$query1 = $sthis->db->get('patient');
$output = $query1->result_array();
if ($query1->num_rows()>0){
$count = $query1->num_rows();
$muni = strval($count).":Municipality@";
    $municipality ['name'];
array_push($municipalityArray, array($muni
    , $output));
}
}
return $municipalityArray;
break;
case "barangay":
$barangayArray = array();
while ($i < 18){
$count = 0;
$pc = $i * 10000000;
$sj = $i+1;
$npc = $j * 10000000;
$geocodeQuery = 'SELECT_*_FROM_geocode_
    WHERE_id_>_'. $pc. ' _AND_id_<_'. $npc. ' _
    AND_NOT_(id_<_100000)_=_0';
$query2 = $sthis->db->query($geocodeQuery);
$geocodes = $query2->result_array();
$parentBarangay = "";
foreach ($geocodes as $barangay) {
if ($barangay ['id']%1000==0){
$parentBarangay = $barangay ['name'];
continue;
}
$sthis->db->where('addr_barangay', $barangay
    ['id']);
$sthis->db->where('for_publishing',1);
if ($age!=" All")

```

```

$this->ageQuery($age);
if($sex!="All")
$this->db->where('sex',$sex);
if($microorganism!="All")
$this->db->where('stoolculture',
    $microorganism);

$this->db->select('patient_ID,_,
    patient_name,_,birthdate,_,sex,_,
    occupation,_,addr_region,_,addr_province,
    _,addr_citymuni,_,addr_barangay,_,
    patient_admitted,_,admitdate,_,onsetdate,
    _,case_classification,_,outcome,_,
    deathdate,_,toiletfacility,_,fooddrink,_,
    stoolculture,_,prevOwner,_,currOwner,_,
    for_publishing,dateTime');
$query1 = $this->db->get('patient');
$output = $query1->result_array();
if($query1->num_rows()>0){
$count = $query1->num_rows();
$parentBarangay = strval($count).":
    Barangay@".$barangay['name'] . " ,_".
    $parentBarangay;
array_push($barangayArray, array(
    $parentBarangay, $output));
}
}
}
$i++;
}
return $barangayArray;
break;
default:
break;
}
}
function ageQuery($age){
switch ($age) {
case '<1':
$this->db->where('age<', 1);
break;
case '1-4':
$this->db->where('age_>=', 1);
$this->db->where('age_<=', 4);
break;
case '5-14':
$this->db->where('age_>=', 5);
$this->db->where('age_<=', 14);
break;
case '15-49':
$this->db->where('age_>=', 15);
$this->db->where('age_<=', 49);
break;
case '50-64':
$this->db->where('age_>=', 50);
$this->db->where('age_<=', 64);
break;
case '65>':
$this->db->where('age_>=', 65);
break;
default:
break;
}
}
function regionQuery($i){
switch ($i) {
case 1:
$region = "I";
$province = "ilocos_sur";
break;
case 2:
$region = "II";
$province = "Nueva_Vizcaya";
break;
case 3:
$region = "III";
$province = "Tarlac";
break;
case 4:
$region = "IV-A";
$province = "Laguna";
break;
case 5:
$region = "V";
$province = "Albay";
break;
case 6:
$region = "VI";
$province = "Aklan";
break;
case 7:
$region = "VII";
$province = "Cebu";
break;
case 8:
$region = "VIII";
$province = "Leyte";
break;
case 9:
$region = "IX";
$province = "Zamboanga_Del_Norte";
break;
case 10:
$region = "X";
$province = "Bukidnon";
break;
case 11:
$region = "XI";
$province = "Davao_City";
break;
case 12:
$region = "XII";
$province = "North_Cotabato";
break;
case 13:
$region = "NCR";
$province = "Manila";
break;
case 14:
$region = "CAR";
$province = "Baguio_City";
break;
case 15:
$region = "ARMM";
$province = "Maguindanao";
break;
case 16:
$region = "XIII";
$province = "Agusan_del_Norte";
break;
case 17:
$region = "IV-B";
$province = "Oriental_Mindoro";
break;
default:
break;
}
return $region."/".$province;
}
}
?>

```

patient_model.php

```

<?php
class Patient_model extends CI_Model {
public function __construct()
{
$this->load->database();
}
public function add_patient()
{
$this->load->helper('url');
$sdw = $this->input->post('sdw');
if($sdw==NULL)
$sdw = "";
else
$sdw = implode(" ,_", $sdw);
$sfd = $this->input->post('sourcesfd');
if($sfd==NULL)
$sourcesfd = "";
else
$sourcesfd = implode(" ,_", $sfd);
$stoolculture = $this->input->post('
    microorganism');
$originalOwner = $this->get_currentUser();
$currOwner = $this->get_currentUser();
$role = $currOwner['role'];
if($role=='nec'){
$for_publishing = 1;
}else{
$for_publishing = 0;
}
date_default_timezone_set('Asia/Manila');
$date_time = date('Y-m-d-H:i:s');
$complete_address = "Brgy._".ucwords($this
->input->post('addr_barangay')) . " ,_".
ucwords($this->input->post('
    addr_citymuni')) . " ,_".ucwords($this->
input->post('addr_province')) . " ,_".
Region_". $this->input->post('
    addr_region');
$addr_region = $this->
convertToRegionGeocode($this->input->

```

```

        post('addr_region'));
$addr_province = $this->
    convertToProvinceGeocode($this->input
->post('addr_province'), $addr_region)
;
$addr_citymuni = $this->
    convertToMunicipalGeocode($this->input
->post('addr_citymuni'),
    $addr_province);
$addr_barangay = $this->
    convertToBarangayGeocode($this->input
->post('addr_barangay'),
    $addr_citymuni);
$age = $this->input->post('age');
$bday = $this->input->post('birthdate');
$from = new DateTime($bday);
$to = new DateTime('today');
$age = $from->diff($to)->y;
$data = array( // $data1 is an associative
    array containing the database row
    information to be inserted
    'patient_name' => $this->input->post('
        patient_name'),
    'birthdate' => $this->input->post('
        birthdate'),
    'age' => $age,
    'sex' => $this->input->post('sex'),
    'occupation' => $this->input->post('
        occupation'),
    'complete_address' => $complete_address,
    'addr_region' => $addr_region,
    'addr_province' => $addr_province,
    'addr_citymuni' => $addr_citymuni,
    'addr_barangay' => $addr_barangay,
    'stringaddr_region' => $this->input->post(
        'addr_region'),
    'stringaddr_province' => $this->input->
        post('addr_province'),
    'stringaddr_citymuni' => $this->input->
        post('addr_citymuni'),
    'stringaddr_barangay' => $this->input->
        post('addr_barangay'),
    'patient_admitted' => $this->input->post('
        patient_admitted'),
    'admitdate' => $this->input->post('
        admitdate'),
    'onsetdate' => $this->input->post('
        onsetdate'),
    'case_classification' => $this->input->
        post('case_classification'),
    'outcome' => $this->input->post('outcome')
    );
    'deathdate' => $this->input->post('
        deathdate'),
    'sdw' => $sdw,
    'toiletfacility' => $this->input->post('
        toiletfacility'),
    'fooddrink' => $this->input->post('
        fooddrink'),
    'sourcesfd' => $sourcesfd,
    'stoolculture' => $this->input->post('
        microorganism'),
    'originalOwner' => $originalOwner[
        'username'],
    'prevOwner' => -1,
    'currOwner' => $currOwner['username'],
    'for_publishing' => $for_publishing,
    'datetime' => $datetime
    );
    $this->db->insert('patient', $data); //
        insert in database, table: 'person'
    return;
}
public function edit_patient($patient_ID){
    $originalOwner = $this->get_currentUser();
    $currOwner = $this->get_currentUser();
    $sdw = $this->input->post('sdw');
    if($sdw==NULL)
        $sdw = "";
    else
        $sdw = implode(",_", $sdw);
    $sfd = $this->input->post('sourcesfd');
    if($sfd==NULL)
        $sourcesfd = "";
    else
        $sourcesfd = implode(",_", $sfd);
    $stoolculture = $this->input->post('
        stoolculture');
    date_default_timezone_set('Asia/Manila');
    $datetime = date('Y-m-d_H:i:s');
    $complete_address = "Brgy._".ucwords($this
->input->post('addr_barangay')).",_".
        ucwords($this->input->post('
        addr_citymuni')).",_".ucwords($this->
        input->post('addr_province')).",_".
        Region._". $this->input->post('
        addr_region');
    $addr_region = $this->
        convertToRegionGeocode($this->input->
        post('addr_region'));
    $addr_province = $this->
        convertToProvinceGeocode($this->input
->post('addr_province'), $addr_region)
;
    $addr_citymuni = $this->
        convertToMunicipalGeocode($this->input
->post('addr_citymuni'),
        $addr_province);
    $addr_barangay = $this->
        convertToBarangayGeocode($this->input
->post('addr_barangay'),
        $addr_citymuni);
    $age = $this->input->post('age');
    $bday = $this->input->post('birthdate');
    $from = new DateTime($bday);
    $to = new DateTime('today');
    $age = $from->diff($to)->y;
    $data = array( // $data1 is an associative
        array containing the database row
        information to be inserted
        'patient_name' => $this->input->post('
            patient_name'),
        'birthdate' => $this->input->post('
            birthdate'),
        'age' => $age,
        'sex' => $this->input->post('sex'),
        'occupation' => $this->input->post('
            occupation'),
        'complete_address' => $complete_address,
        'addr_region' => $addr_region,
        'addr_province' => $addr_province,
        'addr_citymuni' => $addr_citymuni,
        'addr_barangay' => $addr_barangay,
        'stringaddr_region' => $this->input->post(
            'addr_region'),
        'stringaddr_province' => $this->input->
            post('addr_province'),
        'stringaddr_citymuni' => $this->input->
            post('addr_citymuni'),
        'stringaddr_barangay' => $this->input->
            post('addr_barangay'),
        'patient_admitted' => $this->input->post('
            patient_admitted'),
        'admitdate' => $this->input->post('
            admitdate'),
        'onsetdate' => $this->input->post('
            onsetdate'),
        'case_classification' => $this->input->
            post('case_classification'),
        'outcome' => $this->input->post('outcome')
        );
        'deathdate' => $this->input->post('
            deathdate'),
        'sdw' => $sdw,
        'toiletfacility' => $this->input->post('
            toiletfacility'),
        'fooddrink' => $this->input->post('
            fooddrink'),
        'sourcesfd' => $sourcesfd,
        'stoolculture' => $this->input->post('
            microorganism'),
    );
    $this->db->where('patient_ID', $patient_ID
    );
    $this->db->update('patient', $data);
    return;
}
public function void_patient($patient_ID){
    $this->db->where('patient_ID', $patient_ID
    );
    $query1 = $this->db->get('patient');
    $array1 = $query1->row_array();
    $data1 = array(
        'currOwner' => $array1['prevOwner'],
        'prevOwner' => -1
    );
    $this->db->where('patient_ID', $patient_ID
    );
    $this->db->update('patient', $data1);
    return;
}
function get_currentUser(){
    $this->db->select('user_ID');
    $query1 = $this->db->get('sessions');
    $row1 = $query1->row_array();
    $this->db->where('user_ID', $row1['user_ID
    ']);
    $this->db->select('username, _user_ID, _
        supervisor_ID, _role');
    $query2 = $this->db->get('user');
    $row2 = $query2->row_array();
    return $row2;
}

```

```

}
function get_supervisor($user_ID){
$this->db->where('user_ID', $user_ID[
    supervisor_ID']);
$this->db->select('user_ID, _username, _
    supervisor_ID, _role');
$query1 = $this->db->get('user');
$row = $query1->row_array();
return $row;
}
function get_patient($patient_ID){
$this->db->where('patient_ID', $patient_ID
    );
$query1 = $this->db->get('patient');
$array1 = $query1->result_array();
return $array1;
}
public function get_patients(){
$this->load->helper('url');
$query1 = $this->db->get('patient');
$output = $query1->result_array();
return $output;
}
public function get_mypatientsreview(){
$this->load->helper('url');
$currenOwner = $this->get_currentUser();
$this->db->where('currOwner', $currenOwner[
    username']);
$this->db->where('prevOwner!=' ,
    $currenOwner['username']);
$query1 = $this->db->get('patient');
$output = $query1->result_array();
return $output;
}
public function get_necmypatientsapproved
    (){
$this->load->helper('url');
$currenOwner = $this->get_currentUser();
$row = $this->input->post('row');
$arr1 = explode(" ", $row);
foreach($arr1 as $value){
$this->db->where('patient_ID', $value);
$data = array(
    'prevOwner' => $currenOwner['username'],
    'currOwner' => $currenOwner['username'],
    'for_publishing' => 1
    );
$this->db->update('patient', $data);
$this->db->where('patient_ID', $value);
$query1 = $this->db->get('patient');
$output = $query1->row_array();
}
$this->db->where('currOwner', $currenOwner[
    username']);
$this->db->where('prevOwner!=' ,
    $currenOwner['username']);
$query1 = $this->db->get('patient');
$output = $query1->result_array();
return $output;
}
public function get_mypatientsapproved(){
$this->load->helper('url');
$currenOwner = $this->get_currentUser();
$supervisor = $this->get_supervisor(
    $currenOwner);
$row = $this->input->post('row');
$arr1 = explode(" ", $row);
foreach($arr1 as $value){
$this->db->where('patient_ID', $value);
$data = array(
    'prevOwner' => $currenOwner['username'],
    'currOwner' => $supervisor['username']
    );
$this->db->update('patient', $data);
}
}
}
$this->db->where('currOwner', $supervisor[
    'username']);
$this->db->where('prevOwner', $currOwner[
    'username']);
$query1 = $this->db->get('patient');
$output = $query1->result_array();
return $output;
}
function check_place($str_place){
$this->db->where('name', $str_place);
$query1 = $this->db->get('geocode');
if($query1->num_rows()>0)
return true;
return false;
}
public function get_publishedpatients(){
$this->load->helper('url');
$this->db->where('for_publishing', 1);
$query1 = $this->db->get('patient');
$output = $query1->result_array();
return $output;
}
function convertToRegionGeocode($region)
{
$regionID = $region * 1000000;
return $regionID;
}
function convertToProvinceGeocode(
    $province, $regionID){
$regionCode = substr($regionID, 0, -7);
$nextRegionCode = $regionCode+1;
$src = $regionCode * 1000000;
$src = $nextRegionCode * 1000000;
$geocodeQuery = 'SELECT*_FROM_geocode_
    WHERE_name_="'. $province. '"_AND_id_
    BETWEEN_'. $src. '_AND_'. $src. ' ';
$query2 = $this->db->query($geocodeQuery);
$geocodes = $query2->row_array();
$provinceID = $geocodes['id'];
return $provinceID;
}
function convertToMunicipalGeocode(
    $municipal, $provinceID){
$provinceCode = substr($provinceID, 0, -5)
    ;
$nextProvinceCode = $provinceCode+1;
$src = $provinceCode * 100000;
$src = $nextProvinceCode * 100000;
$geocodeQuery = 'SELECT*_FROM_geocode_
    WHERE_name_="'. $municipal. '"_AND_id_
    BETWEEN_'. $src. '_AND_'. $src. ' ';
$query2 = $this->db->query($geocodeQuery);
$geocodes = $query2->row_array();
$municipalID = $geocodes['id'];
return $municipalID;
}
function convertToBarangayGeocode(
    $barangay, $municipalID){
$municipalCode = substr($municipalID, 0,
    -3);
$nextMunicipalCode = $municipalCode+1;
$src = $municipalCode * 1000;
$src = $nextMunicipalCode * 1000;
$geocodeQuery = 'SELECT*_FROM_geocode_
    WHERE_name_="'. $barangay. '"_AND_id_
    BETWEEN_'. $src. '_AND_'. $src. ' ';
$query2 = $this->db->query($geocodeQuery);
$geocodes = $query2->row_array();
$barangayID = $geocodes['id'];
return $barangayID;
}
}
?>

```

reports_model.php

```

<?php
class Reports_model extends CI_Model {
public function __construct()
{
$this->load->database();
}
public function get_monthly($type){
$microorganisms = array('E._coli',
    'Bacillus_cereus', 'Campylobacter',
    'Staphylococcus', 'Clostridium_botulinum',
    'Clostridium_perfringens', 'Listeria_
    monocytogenes', 'Salmonella', 'Yersinia_

```

```

    enterocolitica');
$output = array();
if($type=='human'){
for($j = 0; $j < 9; $j++){
$monthCount = array();
for ($i = 1; $i <= 12; $i++) {
$count = 0;
$this->db->where('stoolculture',
    $microorganisms[$j]);
$this->db->where('for_publishing', 1);
$this->db->select('dateTime');

```



```

' stringaddr_region ' => $this->input->post(
    ' addr_region '),
' stringaddr_province ' => $this->input->
    post(' addr_province '),
' stringaddr_citymuni ' => $this->input->
    post(' addr_citymuni '),
' stringaddr_barangay ' => $this->input->
    post(' addr_barangay '),
' microorganism ' => $this->input->post('
    microorganism '),
' sample_count ' => $this->input->post('
    samplecount '),
' microorganism_count ' => $this->input->
    post(' microorganismcount '),
' originalOwner ' => $originalOwner[ '
    username '],
' prevOwner ' => -1,
' currOwner ' => $currOwner[ 'username '],
' for_publishing ' => $for_publishing,
' dateTime ' => $datetime
);
$this->db->insert(' sample ', $data2); //
    insert in database, table: ' person '
$query1 = $this->db->get(' sample ');
$array2 = $query1->result_array ();
$sample_ID = $array2[ count($array2) -1][ '
    sample_ID '];
$this->set_sample_attributes($sample_ID);
return;
}
public function edit_sample($sample_ID){
    $this->db->where(' sample_ID ', $sample_ID);
    $query5 = $this->db->get(' sample ');
    $array5 = $query5->row_array ();
    $originalOwner = $this->get_currentUser ();
    $currOwner = $this->get_currentUser ();
    date_default_timezone_set(' Asia/Manila ');
    $datetime = date(' Y-m-d_H:i:s ');
    $complete_address = " Brgy. . ".ucwords($this
        ->input->post(' addr_barangay ')) . " , " .
        ucwords($this->input->post('
            addr_citymuni ')) . " , " .ucwords($this->
            input->post(' addr_province ')) . " , " .
            Region. " ". $this->input->post('
                addr_region ');
    $addr_region = $this->
        convertToRegionGeocode($this->input->
            post(' addr_region '));
    $addr_province = $this->
        convertToProvinceGeocode($this->input
            ->post(' addr_province '), $addr_region)
        ;
    $addr_citymuni = $this->
        convertToMunicipalGeocode($this->input
            ->post(' addr_citymuni '),
            $addr_province);
    $addr_barangay = $this->
        convertToBarangayGeocode($this->input
            ->post(' addr_barangay '),
            $addr_citymuni);
    $data1 = array(
        ' complete_address ' => $complete_address,
        ' addr_region ' => $addr_region,
        ' addr_province ' => $addr_province,
        ' addr_citymuni ' => $addr_citymuni,
        ' addr_barangay ' => $addr_barangay
    );
    $this->db->where(' address_ID ', $array5[ '
        address_ID ']);
    $this->db->update(' address ', $data1);
    $data2 = // $data is an associative
        array containing the database row
        information to be inserted
    ' sample_name ' => $this->input->post('
        sample_name '),
    ' stringaddr_region ' => $this->input->post(
        ' addr_region '),
    ' stringaddr_province ' => $this->input->
        post(' addr_province '),
    ' stringaddr_citymuni ' => $this->input->
        post(' addr_citymuni '),
    ' stringaddr_barangay ' => $this->input->
        post(' addr_barangay '),
    ' microorganism ' => $this->input->post('
        microorganism '),
    ' sample_count ' => $this->input->post('
        samplecount '),
    ' microorganism_count ' => $this->input->
        post(' microorganismcount '),
    );
    $this->db->where(' sample_ID ', $sample_ID);
    $this->db->update(' sample ', $data2); //
        insert in database, table: ' person '
    $query1 = $this->db->get(' sample ');
    $array2 = $query1->result_array ();
    $sample_ID = $array2[ count($array2) -1][ '
        sample_ID '];
    $this->update_sample_attributes($sample_ID
        );
    return;
}
public function void_sample($sample_ID){
    $this->db->where(' sample_ID ', $sample_ID);
    $query1 = $this->db->get(' sample ');
    $array1 = $query1->row_array ();
    $data1 = array(
        ' currOwner ' => $array1[ 'prevOwner '],
        ' prevOwner ' => -1
    );
    $this->db->where(' sample_ID ', $sample_ID);
    $this->db->update(' sample ', $data1);
    return;
}
public function get_mysamplesreview($type)
    {
        $currOwner = $this->get_currentUser ();
        $this->db->where(' sample_type ', $type);
        $this->db->where(' currOwner ', $currOwner[ '
            username ']);
        $this->db->where(' prevOwner != ',
            $currOwner[ 'username ']);
        $query1 = $this->db->get(' sample ');
        $array1 = $query1->result_array ();
        $outputs = $this->get_relatedData($array1)
            ;
        return $outputs;
    }
}
public function get_mysamplesapproved(
    $type){
    $currOwner = $this->get_currentUser ();
    $supervisor = $this->get_supervisor(
        $currOwner);
    $row = $this->input->post(' row ');
    $arr1 = explode(" .", $row);
    foreach($arr1 as $value){
        $this->db->where(' sample_ID ', $value);
        $this->db->where(' sample_type ', $type);
        $data = array(
            ' prevOwner ' => $currOwner[ 'username '],
            ' currOwner ' => $supervisor[ 'username ']
        );
        $this->db->update(' sample ', $data);
    }
    $this->db->where(' sample_type ', $type);
    $this->db->where(' currOwner ', $supervisor[ '
        username ']);
    $this->db->where(' prevOwner ', $currOwner[ '
        username ']);
    $query1 = $this->db->get(' sample ');
    $array1 = $query1->result_array ();
    $outputs = $this->get_relatedData($array1)
        ;
    return $outputs;
}
public function get_publishedsamples($type)
    {
        $this->db->where(' for_publishing ', 1);
        $this->db->where(' sample_type ', $type);
        $query1 = $this->db->get(' sample ');
        $array1 = $query1->result_array ();
        $outputs = $this->get_relatedData($array1)
            ;
        return $outputs;
    }
}
public function get_necmysamplesapproved(
    $type){
    $currOwner = $this->get_currentUser ();
    $row = $this->input->post(' row ');
    $arr1 = explode(" .", $row);
    foreach($arr1 as $value){
        $this->db->where(' sample_ID ', $value);
        $this->db->where(' sample_type ', $type);
        $data = array(
            ' prevOwner ' => $currOwner[ 'username '],
            ' currOwner ' => $currOwner[ 'username '],
            ' for_publishing ' => 1
        );
        $this->db->update(' sample ', $data);
    }
    $this->db->where(' sample_type ', $type);
    $this->db->where(' currOwner ', $currOwner[ '
        username ']);
    $this->db->where(' prevOwner != ',
        $currOwner[ 'username ']);
    $query1 = $this->db->get(' sample ');
    $array1 = $query1->result_array ();
    $array1 = $this->get_address($array1);
    $outputs = $this->get_relatedData($array1)
        ;
    return $outputs;
}
}

```



```

function update_sample_attributes(
    $sample_ID){
    $query1 = $this->db->get('
        sample_attribute_type');
    $array1 = $query1->result_array();
    $ctr = count($array1);
    for($i = 0; $i < $ctr; $i++){
        $data1 = array(
            'sample_ID' => $sample_ID,
            'type' => $array1[$i]['
                sample_attribute_type_ID'],
            'value' => $this->input->post($array1[$i][
                'name'])
        );
        $this->db->where('sample_ID', $sample_ID);
        $this->db->where('type', $array1[$i]['
            sample_attribute_type_ID']);
        $this->db->update('sample_attribute',
            $data1);
    }
}

function set_sample_attributes($sample_ID)
{
    $query1 = $this->db->get('
        sample_attribute_type');
    $array1 = $query1->result_array();
    $ctr = count($array1);
    for($i = 0; $i < $ctr; $i++){
        $data1 = array(
            'sample_ID' => $sample_ID,
            'type' => $array1[$i]['
                sample_attribute_type_ID'],
            'value' => $this->input->post($array1[$i][
                'name'])
        );
        $this->db->where('sample_ID', $sample_ID);
        $this->db->where('type', $array1[$i]['
            sample_attribute_type_ID']);
        $this->db->insert('sample_attribute',
            $data1);
    }
}

function get_currentUser(){
    $this->db->select('user_ID');
    $query1 = $this->db->get('sessions');
    $row1 = $query1->row_array();
    $this->db->where('user_ID', $row1['user_ID
        ']);
    $this->db->select('username, _user_ID, _
        supervisor_ID, _role');
    $query2 = $this->db->get('user');
    $row2 = $query2->row_array();
    return $row2;
}

function get_supervisor($user_ID){
    $this->db->where('user_ID', $user_ID['
        supervisor_ID']);
    $this->db->select('user_ID, _username, _
        supervisor_ID, _role');
    $query1 = $this->db->get('user');
    $row = $query1->row_array();
    return $row;
}

function get_address($array1){
    $outputs = array();
    $outputNum = 0;
    $queryNum = count($array1);
    for($i = 0; $i < $queryNum; $i++){
        $this->db->where('address_ID', $array1[$i
            ]['address_ID']);
        $query1 = $this->db->get('address');
        $array2 = $query1->row_array();
        $outputs[$outputNum] = array_merge($array1
            [$i], $array2);
        $outputNum++;
    }
    return $outputs;
}

function get_sample($sample_ID){
    $this->db->where('sample_ID', $sample_ID);
    $query1 = $this->db->get('sample');
    $array1 = $query1->result_array();
    $array1 = $this->get_address($array1);
    $outputs = $this->get_relatedData($array1)
        ;
}

return $outputs;
}

function get_relatedData($array1){
    $outputs = array();
    $outputNum = 0;
    $queryNum = count($array1);
    for($i = 0; $i < $queryNum; $i++){
        // loop over samples
        $query2 = $this->db->get('
            sample_attribute_type');
        $array2 = $query2->result_array();
        $attributes = array();
        foreach ($array2 as $key) {
            $query3 = $this->db->get_where('
                sample_ID', array('sample_ID'
                    => $array1[$i]['sample_ID'], 'type' =>
                    $key['sample_attribute_type_ID']));
            $array3 = $query3->row_array();
            if($array3 == null){
                continue;
            }
            $data[$key['name']] = $array3['value'];
            array_push($attributes, $data);
        }
        $array5 = array_merge($array1[$i], $data);
        $this->db->where('address_ID', $array1[$i
            ]['address_ID']);
        $query4 = $this->db->get('address');
        $array4 = $query4->row_array();
        $outputs[$outputNum] = array_merge($array5
            , $array4);
        $outputNum++;
    }
    return $outputs;
}

function convertToRegionGeocode($region){
    $regionID = $region * 10000000;
    return $regionID;
}

function convertToProvinceGeocode(
    $province, $regionID){
    $regionCode = substr($regionID, 0, -7);
    $nextRegionCode = $regionCode+1;
    $src = $regionCode * 10000000;
    $nrc = $nextRegionCode * 10000000;
    $geocodeQuery = 'SELECT_*_FROM_geocode_
        WHERE_name_=" ' . $province . '"_AND_id_
        BETWEEN_' . $src . '_AND_' . $nrc . ' ';
    $query2 = $this->db->query($geocodeQuery);
    $geocodes = $query2->row_array();
    $provinceID = $geocodes['id'];
    return $provinceID;
}

function convertToMunicipalGeocode(
    $municipal, $provinceID){
    $provinceCode = substr($provinceID, 0, -5)
        ;
    $nextProvinceCode = $provinceCode+1;
    $pc = $provinceCode * 100000;
    $npc = $nextProvinceCode * 100000;
    $geocodeQuery = 'SELECT_*_FROM_geocode_
        WHERE_name_=" ' . $municipal . '"_AND_id_
        BETWEEN_' . $pc . '_AND_' . $npc . ' ';
    $query2 = $this->db->query($geocodeQuery);
    $geocodes = $query2->row_array();
    $municipalID = $geocodes['id'];
    return $municipalID;
}

function convertToBarangayGeocode(
    $barangay, $municipalID){
    $municipalCode = substr($municipalID, 0,
        -3);
    $nextMunicipalCode = $municipalCode+1;
    $mc = $municipalCode * 1000;
    $nmc = $nextMunicipalCode * 1000;
    $geocodeQuery = 'SELECT_*_FROM_geocode_
        WHERE_name_=" ' . $barangay . '"_AND_id_
        BETWEEN_' . $mc . '_AND_' . $nmc . ' ';
    $query2 = $this->db->query($geocodeQuery);
    $geocodes = $query2->row_array();
    $barangayID = $geocodes['id'];
    return $barangayID;
}
}
?>

```

user_model.php

```

<?php
class User_model extends CI_Model {
public function __construct() {
$this->load->database();
}
function get_userByName($username){
$this->db->where('username', $username);
$query1 = $this->db->get('user');
$array1 = $query1->row_array();
return $array1;
}
function get_user($supervisor_ID){
$this->db->where('user_ID', $supervisor_ID
);
$query1 = $this->db->get('user');
$array1 = $query1->row_array();
return $array1;
}
public function get_subordinates($user_ID)
{
$this->db->where('supervisor_ID', $user_ID
);
$query1 = $this->db->get('user');
$array1 = $query1->result_array();
return $array1;
}
function find_username($username){
$this->db->where('username', $username);
$query = $this->db->get('user');
if($query->num_rows()>0){
return true;;
}
else{
return false;
}
}
function get_currentUser(){
$this->db->select('user_ID');
$query1 = $this->db->get('sessions');
$row1 = $query1->row_array();
$this->db->where('user_ID', $row1['user_ID
']);
$query2 = $this->db->get('user');
$row2 = $query2->row_array();
if($query2->num_rows()>0)
return $row2;
else
return 0;
}
public function enable_account($user_ID){
$this->db->where('user_ID', $user_ID);
$data = array(
'locked_status' => 'no'
);
$this->db->update('user', $data);
return;
}
public function disable_account($user_ID){
$this->db->where('user_ID', $user_ID);
$data = array(
'locked_status' => 'yes'
);
$this->db->update('user', $data);
return;
}
public function edit_user(){
$user = $this->get_currentUser();
$supervisor = $this->input->post('
svusername');
$supervisor = $this->get_userByName(
$supervisor);
$data = array( // $data1 is an associative
array containing the database row
information to be inserted
'firstname' => $this->input->post('
firstname'),
'lastname' => $this->input->post('lastname
'),
'email' => $this->input->post('email'),
'supervisor_ID' => $supervisor['user_ID'
]);
$this->db->where('user_ID', $user['user_ID'
]);
$this->db->update('user', $data);
return;
}
public function change_password($user,
$hash){
$this->db->where('user_ID', $user['user_ID
']);
$data = array(
'password' => $hash
);
$this->db->update('user', $data);
}
public function add_user()
{
$this->load->helper('url');
$role = $this->input->post('institution');
if($role=='nec'){
$supervisor = -1;
}
else{
$supervisor = $this->input->post('
svusername');
$supervisor = $this->get_userByName(
$supervisor);
$supervisor = $supervisor['user_ID'];
}
date_default_timezone_set('Asia/Manila');
$dateCreated = date('Y-m-d');
$password = md5($this->input->post('
password'));
if($this->input->post('addr_region')==null
){
$addr_region = 0;
$stringaddr_region = "";
}
else{
$addr_region = $this->
convertToRegionGeocode($this->input->
post('addr_region'));
$stringaddr_region = $this->input->post('
addr_region');
}
if($this->input->post('addr_province')==
null){
$addr_province = 0;
$stringaddr_province = "";
}
else{
$addr_province = $this->
convertToProvinceGeocode($this->input
->post('addr_province'), $addr_region)
;
$stringaddr_province = $this->input->post(
'addr_province');
}
if($this->input->post('addr_citymuni')==
null){
$addr_citymuni = 0;
$stringaddr_citymuni = "";
}
else{
$addr_citymuni = $this->
convertToMunicipalGeocode($this->input
->post('addr_citymuni'),
$addr_province);
$stringaddr_citymuni = $this->input->post(
'addr_citymuni');
}
if($this->input->post('addr_barangay')==
null){
$addr_barangay = 0;
$stringaddr_barangay = "";
}
else{
$addr_barangay = $this->
convertToBarangayGeocode($this->input
->post('addr_barangay'),
$addr_citymuni);
$stringaddr_barangay = $this->input->post(
'addr_barangay');
}
}
$data = array( // $data1 is an associative
array containing the database row
information to be inserted
'firstname' => $this->input->post('
firstname'),
'lastname' => $this->input->post('lastname
'),
'email' => $this->input->post('email'),
'role' => $role,
'addr_region' => $addr_region,
'addr_province' => $addr_province,
'addr_citymuni' => $addr_citymuni,
'addr_barangay' => $addr_barangay,
'stringaddr_region' => $stringaddr_region,
'stringaddr_province' =>
$stringaddr_province,
'stringaddr_citymuni' =>
$stringaddr_citymuni,
'stringaddr_barangay' =>
$stringaddr_barangay,
'supervisor_ID' => $supervisor,
'username' => $this->input->post('username
'),
'password' => $password,
'dateCreated' => $dateCreated,
'locked_status' => 'yes',
'logged_in' => 'no',
);
$this->db->insert('user', $data);
$this->db->where('role', 'nec');
$this->db->select('user_ID, role');
$query = $this->db->get('user');
$result = $query->result_array();
foreach ($result as $value) {

```

```

if($value['role']=='nec'){
    $arr1 = array(
        'supervisor_ID' => $value['user_ID']
    );
    $this->db->where('user_ID',$value['user_ID']
    );
    $this->db->update('user',$arr1);
}
return;
}
function convertToRegionGeocode($region)
{
    $regionID = $region * 10000000;
    return $regionID;
}
function convertToProvinceGeocode(
    $province,$regionID){
    $regionCode = substr($regionID, 0, -7);
    $nextRegionCode = $regionCode+1;
    $src = $regionCode * 10000000;
    $src = $nextRegionCode * 10000000;
    $geocodeQuery = 'SELECT*_FROM_geocode_
        WHERE_name_="'. $province. '"_AND_id_
        BETWEEN_'. $src. '_AND_'. $src. ''';
    $query2 = $this->db->query($geocodeQuery);
    $geocodes = $query2->row_array();
    $provinceID = $geocodes['id'];
    return $provinceID;
}
function convertToMunicipalGeocode(
    $municipal,$provinceID){
    $provinceCode = substr($provinceID, 0, -5)
    ;
    $nextProvinceCode = $provinceCode+1;
    $pc = $provinceCode * 100000;
    $npc = $nextProvinceCode * 100000;
    $geocodeQuery = 'SELECT*_FROM_geocode_
        WHERE_name_="'. $municipal. '"_AND_id_
        BETWEEN_'. $pc. '_AND_'. $npc. ''';
    $query2 = $this->db->query($geocodeQuery);
    $geocodes = $query2->row_array();
    $municipalID = $geocodes['id'];
    return $municipalID;
}
function convertToBarangayGeocode(
    $barangay,$municipalID){
    $municipalCode = substr($municipalID, 0,
        -3);
    $nextMunicipalCode = $municipalCode+1;
    $mc = $municipalCode * 1000;
    $nmc = $nextMunicipalCode * 1000;
    $geocodeQuery = 'SELECT*_FROM_geocode_
        WHERE_name_="'. $barangay. '"_AND_id_
        BETWEEN_'. $mc. '_AND_'. $nmc. ''';
    $query2 = $this->db->query($geocodeQuery);
    $geocodes = $query2->row_array();
    $barangayID = $geocodes['id'];
    return $barangayID;
}
}
}
?>

```

4. Views

animal_view.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Animal Samples
<?php if($role=='bai') { ?>
<a href="/ifgis/addSample/animal" class="
    btn btn-md btn-primary pull-right"
    role="button">
<i class="glyphicon glyphicon-plus"></i>
    Add Sample</a>
<?php }?>
</h1>
</div>
</div>
<?php if($role=='bai' || $role=='nec') { ?>
<div class="row">
<?php if (isset($success)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-success" role="alert"
    style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></span>
<?php if($role!='nec'){?>
Sample data has been sent to your
    supervisor for approval.
<?php }else{?>
Sample data has been published to IFGIS.
<?php } ?>
</p>
</div>
<?php }?>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a active class="btn btn-default btn-lg
    active" href="/ifgis/samples/animal">
    IFGIS Records &raquo;</a>
<a class="btn btn-default btn-lg" href="/
    ifgis/mySamplesReview/animal">My
    Records &raquo;</a>
</p>
<div class="panel panel-default">
<div class="panel-heading">&nbsp;</div>
<div class="panel-body">
<div class="dataTable_wrapper">
<table id="myTable" class="table table-
    striped table-bordered table-hover" id
    ="dataTables-example">
<thead>
<tr>
<th>Sample ID</th>
<th>Species</th>
<th>Sample Type</th>
<th>Sex</th>
<th>Age</th>
<th>Status</th>
<th>Test Date</th>
<th>Collected at <i><small>(Address)</small></i></th>
<th>Microorganism</th>
</tr>
</thead>
<tbody>
<?php foreach ($output as $i => $value) {
    ?>
<tr id="<?php echo $value['sample_ID'];_?>
    ">
<td><a data-toggle="modal" href="#myModal
    <?php echo $i;?>"><?php echo $value['
    sample_ID']; ?></a></td>
<td><a data-toggle="modal" href="#myModal
    <?php echo $i;?>"><?php echo $value['
    sample_name']; ?></a>
<div class="modal fade" id="myModal<?php
    echo $i;?>" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-
    dismiss="modal">&times;</button>
<h4 class="modal-title">#<?php echo $value
    ['sample_ID'];?> - <?php echo $value['
    sample_name']; ?></h4>
</div>
<div class="modal-body">
<small>
<p>
<div class="row">
<div class="col-lg-3">
<label>Species:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>No. of Samples:</label>
</div>

```

```

<div class="col-lg-9">
<?php echo $value['sample_count']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Animal Sample Type:</label>
</div>
<div class="col-lg-9">
<?php echo $value['a_sampletype']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Sex:</label>
</div>
<div class="col-lg-9">
<?php echo $value['a_sex']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Age:</label>
</div>
<div class="col-lg-9">
<?php echo $value['a_age']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Breed:</label>
</div>
<div class="col-lg-9">
<?php echo $value['a_breed']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Status:</label>
</div>
<div class="col-lg-9">
<?php echo $value['a_status']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected by:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collected_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collection Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collection_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Farm Address<i><small>(Collected at
)</small></i></label>
</div>
<div class="col-lg-9">
<?php echo $value['complete_address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Farm Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Test Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['test_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Tested By:</label>
</div>
<div class="col-lg-9">
<?php echo $value['tested_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism Count:</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism_count'];
?>
</div>
</div>
</p>
</small>
</div>
<div class="modal-footer alert alert-info">
<span class="pull-left">
By: <?php echo $value['originalOwner']
;?></span>
<button type="button" class="btn btn-
default" data-dismiss="modal">Close</
button>
</div>
</div>
</div>
</div>
</td><?php echo $value['a_sampletype'];
?></td>
<td><?php echo $value['a_sex']; ?></td>
<td><?php echo $value['a_age']; ?></td>
<td><?php echo $value['a_status']; ?></td>
<td><?php echo $value['test_date']; ?></td>
?></td>
<td><?php echo $value['complete_address'];
?></td>
<td><?php echo $value['microorganism'];
?></td>
</tr>
<?php }?>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
<?php }else{ ?>
<div class="row">
<div class="col-lg-12">
<div class="panel panel-default">
<div class="panel-heading">
You're_not_authorized_to_view_this.
</div>
</div>
</div>
</div>
<?php }->
</div>
</div>
</div>
</div>
</div>

```

change_password.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12"><h1 class="page-
header">User Credentials</h1></div>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a class="btn btn-default btn-lg active"
href="/ifgis/userCredentials">User
Credentials </a>
<a class="btn btn-default btn-lg" href="/
ifgis/userAccounts">User Accounts</a>
</p>
</div>
</div>
<div class="row">
<div class="col-lg-8 col-lg-offset-2">

```

```

<div class="panel-body">
<div class="panel_panel-default" style="
margin-top:10px;">
<div class="panel-heading">
<?php echo form_open(' ../ changePassword ');
?>
<div class="panel-body">
<form role="form">
<h2>Change Password</h2>
<div class="row">
<div class="col-lg-8_col-lg-offset-2">
<div class="form-group">
<label>Current Password:</label>
<input name="old_password" type="password"
class="form-control" value="<?php_
echo_set_value('password')?>">
<span style="color:#c09853">
<?php echo form_error('old_password'); //
print_error_prompt_if_input_was
invalid?>
</span>
</div>
<div class="form-group">
<label>New Password:</label>
<input name="password" type="password"
class="form-control" value="<?php_echo
_set_value('password')?>">
<span style="color:#c09853">
<?php echo form_error('password'); //
print_error_prompt_if_input_was
invalid?>
</span>
</div>
<div class="form-group">
<label>Confirm New Password:</label>
<input name="conf_password" type="password"
class="form-control" value="<?php_
echo_set_value('password')?>">
<span style="color:#c09853">
<?php echo form_error('conf_password'); //
print_error_prompt_if_input_was
invalid?>
</span>
</div>
<div class="row">
<div class="col-lg-6">
<button type="submit" class="btn btn-
default_pull-right">Submit</button>
</div>
<div class="col-lg-6">
<button type="reset" class="btn btn-
default_pull-left">Reset</button>
</div>
</div>
</form>
</div>
</div>
</div>

```

complaints_form.php

```

<script src='https://www.google.com/
recaptcha/api.js '></script>
<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Public Assistance,
Information, and Complaints Desk
</h1>
</div>
</div>
</div>
<div class="row">
<?php if (isset($success)) { ?>
<div class="col-lg-6_col-lg-offset-3">
<p class="alert alert-success" role="alert"
style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></
span>
Your complaint was filed!
</p>
</div>
<?php } else if (isset($error)){ ?>
<div class="col-lg-6_col-lg-offset-3">
<p class="alert alert-danger" role="alert"
style="visibility: visible;">
<span class="glyphicon glyphicon-remove"
></span>
Fill up all required fields and validate
captcha!
</p>
</div>
<?php } ?>
<div class="col-lg-8_col-lg-offset-2">
<?php echo form_open(' ../ complaints/
addComplaint ');?>
<div class="panel-body">
<form role="form">
<h3>New Topic</h3>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Name:*</label>
<input name="name" class="form-control">
<span style="color:#c09853">
<?php echo form_error('name'); // print
error_prompt_if_input_was_invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>E-mail:*</label>
<input name="email" class="form-control">
<span style="color:#c09853">
<?php echo form_error('email'); // print
error_prompt_if_input_was_invalid?>
</span>
</div>
</div>
</div>
<div class="form-group">
<label>Category:*</label>
<select name="category" class="form-
control">
<option value="Processed_Food_Samples">
Processed Food Samples</option>
<option value="Animal_Samples">Animal
Samples</option>
<option value="Meat_Samples">Meat Samples
</option>
<option value="Seafood_Samples">Seafood
Samples</option>
<option value="Fruit_and_Vegetable_Samples"
">Fruit and Vegetable Samples</option>
<option value="Dairy_Samples">Dairy
Samples</option>
<option value="Water_Samples">Water
Samples</option>
<option value="Others">Others</option>
</select>
</div>
<div class="form-group">
<label>Subject:*</label>
<input name="subject" class="form-control"
>
<span style="color:#c09853">
<?php echo form_error('subject'); // print
error_prompt_if_input_was_invalid?>
</span>
</div>
<div class="form-group">
<label>Message:*</label>
<textarea name="message" class="form-
control" rows="5" id="comment"></
textarea>
<span style="color:#c09853">
<?php echo form_error('message'); // print
error_prompt_if_input_was_invalid?>
</span>
</div>
<div class="form-group">
<label>Captcha:*</label>
<?php echo $this->recaptcha->render(); ?>
<button type="submit" class="btn btn-
default_pull-right">Post</button>
</div>
</div>
</div>

```

complaints_page.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Public Assistance,
Information, and Complaints Desk
</h1>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<div class="panel-body">
<div class="dataTable-wrapper">
<table id="myTable" class="table table-
hover" id="dataTables-example">
<thead>
<tr>
<th>Complaint #</th>
<th>Subject</th>
<th>Complainant</th>
<th>Date & Time <br/><i style="font-weight
:normal"><small>added to system</
small></i></th>
</tr>
</thead>
</div>
<tbody>
<?php foreach ($output as $key => $value):
?>
<tr id="<?php echo $value['complaint_ID'];
_?>">
<td><a data-toggle="modal" href="#myModal
<?php echo $key;?>"><?php echo $value[
'complaint_ID'];?></a></td>
<td><a data-toggle="modal" href="#myModal
<?php echo $key;?>"><?php echo $value[
'subject'];?></a>
<div class="modal_fade" id="myModal<?php_
echo $key;?>" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-
dismiss="modal">&times;</button>
<h4 class="modal-title">#<?php echo $value
['complaint_ID'];?> - <?php echo $value
['subject'];?></h4>
</div>
<div class="modal-body">
<label>Complainant:&nbsp;</label><?php
echo $value['complainant'];?>
<br/>
<br/>
<small><?php echo $value['message'];_?>"
</small>
</div>
<div class="modal-footer">
<button type="button" class="btn btn-
default" data-dismiss="modal">Close</
button>
</div>
</div>
</div>
</div>
</div>
</div>
<td><?php echo $value['complainant'];?></
td>
<td><?php echo $value['dateTime'];?></td>
</tr>
<?php endforeach ?>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
<td><?php echo $value['complainant'];?></
td>
<td><?php echo $value['dateTime'];?></td>
</tr>
<?php endforeach ?>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</div>

```

dairy_view.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Dairy Samples
<?php if ($role=='nda') { ?>
<a href="/ifgis/addSample/dairy" class="
btn btn-md btn-primary pull-right"
role="button"><i class="glyphicon_
glyphicon-plus"></i>Add Sample</a>
<?php }?>
</h1>
</div>
</div>
<?php if ($role=='nda' || $role=='nec') { ?>
<div class="row">
<?php if (isset($successedit)) { ?>
<div class="col-lg-6_col-lg-offset-3">
<p class="alert alert-success" role="alert"
style="visibility:visible;">
<span class="glyphicon glyphicon-ok"></
span>
Test data was successfully edited!
</p>
</div>
<?php }elseif (isset($successvoid)) { ?>
<div class="col-lg-6_col-lg-offset-3">
<p class="alert alert-warning" role="alert"
style="visibility:visible;">
<span class="glyphicon glyphicon-ok"></
span>
Test data was sent back to its previous
owner for review
</p>
</div>
<?php }?>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a active class="btn btn-default btn-lg_
active" href="/ifgis/samples/dairy">
IFGIS Records &raquo;</a>
<a class="btn btn-default btn-lg" href="/
ifgis/mySamplesReview/dairy">My
Records &raquo;</a>
</p>
<div class="panel panel-default">
<div class="panel-heading">&nbsp;</div>
<div class="panel-body">
<div class="dataTable-wrapper">
<table id="myTable" class="table table-
striped table-bordered table-hover" id
="dataTables-example">
<thead>
<tr>
<th>Sample ID</th>
<th>Sample Name</th>
<th>Brand Name</th>
<th>Manufacturer Name</th>
<th>Test Date</th>
<th>Collected at <i><small>(Address)</
small></i></th>
<th>Microorganism</th>
</tr>
</thead>
</div>
<tbody>
<?php foreach ($output as $i => $value) {
?>
<tr id="<?php echo $value['sample_ID'];_?>
">
<td><a data-toggle="modal" href="#myModal
<?php echo $i;?>"><?php echo $value[
'sample_ID'];?></a></td>
<td><a data-toggle="modal" href="#myModal
<?php echo $i;?>"><?php echo $value[
'sample_name'];?></a>
<div class="modal_fade" id="myModal<?php_
echo $i;?>" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-
dismiss="modal">&times;</button>
<h4 class="modal-title">#<?php echo $value
['sample_ID'];?> - <?php echo $value[
'sample_name'];?></h4>
</div>
<div class="modal-body">
<small>
<p>
<div class="row">
<div class="col-lg-3">
<label>Item:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_name'];?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Brand Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value['brandname'];?>

```

```

</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>No. of Samples:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_count']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected by:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collected_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collection Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collection_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected at:</label>
</div>
<div class="col-lg-9">
<?php echo $value['complete_address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Address:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer_address']; ?>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Test Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['test_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Tested By:</label>
</div>
<div class="col-lg-9">
<?php echo $value['tested_by']; ?>
</div>
</div>
</div class="row">
</div class="col-lg-3">
<label>Microorganism</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism Count:</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism_count']; ?>
</div>
</div>
</p>
</small>
</div>
<div class="modal-footer alert alert-info">
<span class="pull-left">
By: <?php echo $value['originalOwner']; ?></span>
<button type="button" class="btn btn-default" data-dismiss="modal">Close</button>
</div>
</div>
</div>
</div>
</td><?php echo $value['brandname']; ?></td>
<td><?php echo $value['manufacturer_name']; ?></td>
<td><?php echo $value['test_date']; ?></td>
<td><?php echo $value['complete_address']; ?></td>
<td><?php echo $value['microorganism']; ?></td>
</tr>
<?php ?>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
<?php }else{ ?>
<div class="row">
<div class="col-lg-12">
<div class="panel panel-default">
<div class="panel-heading">
You're not authorized to view this.
</div>
</div>
</div>
</div>
</div>
<?php_?>
</div>
</div>
</div>
</div>

```

edit_userdetails.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12"><h1 class="page-header">User Credentials</h1></div>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a class="btn btn-default btn-lg active" href="/ifgis/userCredentials">User Credentials</a>
<a class="btn btn-default btn-lg" href="/ifgis/userAccounts">User Accounts</a>
</p>
</div>
</div>
<div class="row">
<div class="col-lg-8 col-lg-offset-2">
<div class="panel-body">
<div class="panel panel-default" style="margin-top:10px;">
<div class="panel-heading">
</div>
<?php echo form_open('../editUserDetails'); ?>
<div class="panel-body">
<form role="form">
<h2>Basic Details</h2>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>First Name:</label>
<input name="firstname" class="form-control" value="<?php_if(isset($user['firstname'])) {echo $user['firstname'];} else {echo $_set_value('firstname');} ?>">
<span style="color:#c09853">
<?php echo form_error('firstname'); // print error prompt if input was invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">

```

```
<div class="form-group">
<label>Last Name:</label>
<input name="lastname" class="form-control"
  value="<?php_if(isset($user['
  lastname']))){echo_$user['lastname'];}
  else{echo_set_value('lastname');}?>">
<span style="color:#c09853">
<?php echo form_error('lastname'); //
  print error prompt if input was
  invalid?>
</span>
</div>
</div>
</div>
<div class="form-group">
<label>E-mail address:</label>
<input name="email" class="form-control"
  value="<?php_if(isset($user['email']))
  {echo_$user['email'];} else{echo_
  set_value('email');}?>">
<span style="color:#c09853">
<?php echo form_error('email'); // print
  error prompt if input was invalid?>
</span>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Institution & Role:</label>
<select disabled name="institution" class=
  "form-control" onselect="">
<option value="">— Select institution &
  role —</option>
<option value="bhw" <?php echo set_select(
  'institution','bhw') ?>>DOH Health
  Worker — Barangay</option>
<option value="cmhw" <?php echo set_select
  ('institution','cmhw') ?>>DOH Health
  Worker — City/Municipality</option>
<option value="phw" <?php echo set_select(
  'institution','phw') ?>>DOH Health
  Worker — Provincial</option>
<option value="fda" <?php echo set_select(
  'institution','fda') ?>>FDA</option>
<option value="bai" <?php echo set_select(
  'institution','bai') ?>>BAI</option>
<option value="nmis" <?php echo set_select
  ('institution','nmis') ?>>NMIS</option>
</div>
<option value="bfar" <?php echo set_select
  ('institution','bfar') ?>>BFAR</option>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Supervisor's Username:</label>
<input name="svsusername" class="form-
  control" value="<?php_if(isset(
  $supervisor['username']))){echo_
  $supervisor['username'];} else{echo_
  set_value('svsusername');}?>">
<span style="color:#c09853">
<?php_echo_form_error('svsusername');-//
  print_error_prompt_if_input_was_
  invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<button type="submit" class="btn btn-
  default pull-right">Submit</button>
</div>
<div class="col-lg-6">
<button type="reset" class="btn btn-
  default pull-left">Reset</button>
</div>
</div>
</div>
</form>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
```

fish-view.php

```
<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Seafood Samples
<?php if($role=='bfar') { ?>
<a href="/ifgis/addSample/fish" class="btn
  btn-md btn-primary pull-right" role="
  button">
<i class="glyphicon glyphicon-plus"></i>
  Add Sample</a>
<?php }?>
</h1>
</div>
</div>
</div>
<?php if($role=='bfar' || $role=='nec') { ?>
<div class="row">
<?php if (isset($successedit)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-success" role="alert"
  style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></
  span>
Test data was successfully edited!
</p>
</div>
<?php } elseif (isset($successvoid)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-warning" role="alert"
  style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></
  span>
Test data was sent back to its previous
  owner for review.
</p>
</div>
<?php }?>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a active class="btn btn-default btn-lg
  active" href="/ifgis/samples/fish">
  IFGIS Records &raquo;</a>
<a class="btn btn-default btn-lg" href="/
  ifgis/mySamplesReview/fish">My Records
  &raquo;</a>
</p>
<div class="panel panel-default">
<div class="panel-heading">&nbsp;</div>
<div class="panel-body">
<div class="dataTable_wrapper">
<table id="myTable" class="table table-
  striped table-bordered table-hover" id
  ="dataTable-example">
<thead>
<tr>
<th>Sample ID</th>
<th>Sample Name</th>
<th>Source</th>
<th>Condition</th>
<th>Sampling Point Type</th>
<th>Test Date</th>
<th>Collected at <i><small>(Address)</
  small></i></th>
<th>Microorganism</th>
</tr>
</thead>
<tbody>
<?php foreach ($output as $i => $value) {
  ?>
<tr id="<?php_echo_$value['sample_ID'];_?>
  ">
<td><a data-toggle="modal" href="#myModal
  <?php_echo_$i;?>"><?php echo $value['
  sample_ID']; ?></a></td>
<td><a data-toggle="modal" href="#myModal
```



```

        <?php_echo_$$i;?>"><?php_echo $value['
sample_name']; ?></a>
<div class="modal-fade" id="myModal<?php_
echo_$$i;?>" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-
dismiss="modal">&times;</button>
<h4 class="modal-title">#<?php_echo $value
['sample_ID'];?> - <?php_echo $value['
sample_name']; ?></h4>
</div>
<div class="modal-body">
<small>
<p>
<div class="row">
<div class="col-lg-3">
<label>Item:</label>
</div>
<div class="col-lg-9">
<?php_echo $value['sample_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>No. of Samples:</label>
</div>
<div class="col-lg-9">
<?php_echo $value['sample_count']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Source of Raw Material:</label>
</div>
<div class="col-lg-9">
<?php_echo $value['f_source']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Condition:</label>
</div>
<div class="col-lg-9">
<?php_echo $value['f_condition']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Temperature:</label>
</div>
<div class="col-lg-9">
<?php_echo $value['f_temp']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Ave. Weight:</label>
</div>
<div class="col-lg-9">
<?php_echo $value['f_weight']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Sampling Point Type:</label>
</div>
<div class="col-lg-9">
<?php_echo $value['f_samplingpoint']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected by:</label>
</div>
<div class="col-lg-9">
<?php_echo $value['collected_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collection Date:</label>
</div>
<div class="col-lg-9">
<?php_echo $value['collection_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected at:</label>
</div>
<div class="col-lg-9">
<?php_echo $value['complete_address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Name:</label>

```



```

<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Collected by:</label>
<input name="collected_by" class="form-control" value="<?php_if(isset($output['collected_by'])) {echo $output['collected_by'];} else {echo set_value('collected_by');}?>">
<span style="color:#c09853">
<?php echo form_error('collected_by'); // print error prompt if input was invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Collection Date:</label>
<input type="date" name="collection_date" class="form-control" value="<?php_if(isset($output['collection_date'])) {echo $output['collection_date'];} else {echo set_value('collection_date');}?>">
<span style="color:#c09853">
<?php echo form_error('collection_date'); // print error prompt if input was invalid?>
</span>
</div>
</div>
<div class="form-group" id="region">
<label for="disabledSelect">Region</label>
<select name="addr_region" class="form-control">
<option value="13" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='13') {echo "selected";} else {echo set_select('addr_region','13');} ?>>NCR</option>
<option value="14" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='14') {echo "selected";} else {echo set_select('addr_region','14');} ?>>CAR</option>
<option value="1" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='1') {echo "selected";} else {echo set_select('addr_region','1');} ?>>I - Ilocos Region</option>
<option value="2" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='2') {echo "selected";} else {echo set_select('addr_region','2');} ?>>II - Cagayan Valley</option>
<option value="3" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='3') {echo "selected";} else {echo set_select('addr_region','3');} ?>>III - Central Luzon</option>
<option value="4" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='4') {echo "selected";} else {echo set_select('addr_region','4');} ?>>IVA - CALABARZON</option>
<option value="17" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='17') {echo "selected";} else {echo set_select('addr_region','17');} ?>>IVB - MIMAROPA</option>
<option value="5" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='5') {echo "selected";} else {echo set_select('addr_region','5');} ?>>V - Bicol Region</option>
<option value="6" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='6') {echo "selected";} else {echo set_select('addr_region','6');} ?>>VI - Western Visayas</option>
<option value="7" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='7') {echo "selected";} else {echo set_select('addr_region','7');} ?>>VII - Central
Visayas</option>
<option value="8" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='8') {echo "selected";} else {echo set_select('addr_region','8');} ?>>VIII - Eastern Visayas</option>
<option value="9" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='9') {echo "selected";} else {echo set_select('addr_region','9');} ?>>IX - Zamboanga Peninsula</option>
<option value="10" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='10') {echo "selected";} else {echo set_select('addr_region','10');} ?>>X - Northern Mindanao</option>
<option value="11" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='11') {echo "selected";} else {echo set_select('addr_region','11');} ?>>XI - Davao Region</option>
<option value="12" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='12') {echo "selected";} else {echo set_select('addr_region','12');} ?>>XII - SOCCSKSARGEN</option>
<option value="16" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='16') {echo "selected";} else {echo set_select('addr_region','16');} ?>>XIII - CARAGA</option>
<option value="15" <?php if(isset($output['stringaddr_region']) && $output['stringaddr_region']=='15') {echo "selected";} else {echo set_select('addr_region','15');} ?>>ARMM</option>
</select>
<span style="color:#c09853">
<?php echo form_error('addr_region'); // print error prompt if input was invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Province</label>
<input name="addr_province" class="form-control" value="<?php_if(isset($output['stringaddr_province'])) {echo $output['stringaddr_province'];} else {echo set_value('addr_province');}?>">
<span style="color:#c09853">
<?php echo form_error('addr_province'); // print error prompt if input was invalid?>
</span>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">City/Municipality</label>
<input name="addr_citymuni" class="form-control" value="<?php_if(isset($output['stringaddr_citymuni'])) {echo $output['stringaddr_citymuni'];} else {echo set_value('addr_citymuni');}?>">
<span style="color:#c09853">
<?php echo form_error('addr_citymuni'); // print error prompt if input was invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Barangay</label>
<input name="addr_barangay" class="form-control" value="<?php_if(isset($output['stringaddr_barangay'])) {echo $output['stringaddr_barangay'];} else {echo set_value('addr_barangay');}?>">
<span style="color:#c09853">
<?php echo form_error('addr_barangay'); // print error prompt if input was invalid?>
</span>
</div>
</div>

```

```

</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Farm Name:</label>
<input name="manufacturer_name" class="
form-control" value="<?php_if(isset(
$output['manufacturer_name'])) {echo_
$output['manufacturer_name'];} else {
echo_set_value('manufacturer_name')
};?>">
<span style="color:#c09853">
<?php echo form_error('manufacturer_name')
; // print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
</div>
<div>
<h3>Test Details</h3><br/>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Microorganism:</label>
<select name="microorganism" class="form-
control">
<option value="E._coli" <?php if(isset(
$output['microorganism']) && $output['
microorganism'] == 'E._coli') {echo "
selected";} else {echo set_select('
microorganism', 'E._coli');} ?>>E. coli
</option>
<option value="Bacillus_cereus" <?php if(
isset($output['microorganism']) &&
$output['microorganism'] == 'Bacillus_
cereus') {echo "selected";} else {echo
set_select('microorganism', 'Bacillus_
cereus');} ?>>Bacillus cereus</option>
<option value="Campylobacter" <?php if(
isset($output['microorganism']) &&
$output['microorganism'] == '
Campylobacter') {echo "selected";} else {
echo set_select('microorganism', '
Campylobacter');} ?>>Campylobacter</
option>
<option value="Staphylococcus" <?php if(
isset($output['microorganism']) &&
$output['microorganism'] == '
Staphylococcus') {echo "selected";} else
{echo set_select('microorganism', '
Staphylococcus');} ?>>Staphylococcus</
option>
<option value="Clostridium_botulinum" <?
php if(isset($output['microorganism'])
&& $output['microorganism'] == '
Clostridium_botulinum') {echo "selected
";} else {echo set_select('microorganism
', 'Clostridium_botulinum');} ?>>
Clostridium botulinum</option>
<option value="Clostridium_perfringens" <?
php if(isset($output['microorganism'])
&& $output['microorganism'] == '
Clostridium_perfringens') {echo "
selected";} else {echo set_select('
microorganism', 'Clostridium_
perfringens');} ?>>Clostridium
perfringens</option>
<option value="Listeria_monocytogenes" <?
php if(isset($output['microorganism'])
&& $output['microorganism'] == '
Listeria_monocytogenes') {echo "
selected";} else {echo set_select('
microorganism', 'Listeria_monocytogenes
');} ?>>Listeria monocytogenes</option
>
<option value="Salmonella" <?php if(isset(
$output['microorganism']) && $output['
microorganism'] == 'Salmonella') {echo "
selected";} else {echo set_select('
microorganism', 'Salmonella');} ?>>
Salmonella spp. (/25g)</option>
<option value="Yersinia_enterocolitica" <?
php if(isset($output['microorganism'])
&& $output['microorganism'] == '
Yersinia_enterocolitica') {echo "
selected";} else {echo set_select('
microorganism', 'Yersinia_
enterocolitica');} ?>>Yersinia
enterocolitica</option>
</select>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>No. of microorganisms:</label>
<input name="microorganismcount" class="
form-control" value="<?php_if(isset(
$output['microorganism_count'])) {echo_
$output['microorganism_count'];} else {
echo_set_value('microorganismcount')
};?>">
<span style="color:#c09853">
<?php echo form_error('microorganismcount')
; // print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Test Date:</label>
<input type="date" name="test_date" class=
"form-control" value="<?php_if(isset(
$output['test_date'])) {echo_$output['
test_date'];} else {echo_set_value('
test_date');} ?>">
</div>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Tested by:</label>
<input name="tested_by" class="form-
control" value="<?php_if(isset($output
['tested_by'])) {echo_$output['
tested_by'];} else {echo_set_value('
tested_by');} ?>">
<span style="color:#c09853">
<?php echo form_error('tested_by'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
</div>
<br/>
<div class="row">
<div class="col-lg-6">
<button type="submit" class="btn btn-
primary pull-right">Submit</button>
</div>
<div class="col-lg-6">
<button type="reset" class="btn btn-
primary pull-left">Reset</button>
</div>
</div>
</div>
</div>
<br/>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>

```

form_dairy.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Dairy Products
Collection Form</h1>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<div class="panel panel-default">

```

```

<?php if(isset($edit)){?>
<div class="panel-heading" style="
background-color:#ffc666;">
Edit Test Sample
</div>
<?php echo form_open('../editSample/'.
$output['sample.ID']); ?>
<?php } else {?>
<div class="panel-heading">
Add Test Sample
</div>

```

```

<?php echo form_oven('addSample/dairy');?>
<?php }?>
<div class="panel-body">
<div class="row">
<div class="col-lg-10_col-lg-offset-1">
<form role="form">
<h3>Sample Details</h3><br/>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Item: <i><small>(Sample Name)</small></i>
<small></small></label>
<input name="sample_name" class="form-control" value="<?php_if(isset($output['sample_name']))){echo_$output['sample_name'];} else{echo_set_value('sample_name');}?>">
<span style="color:#c09853">
<?php echo form_error('sample_name'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Brand Name:</label>
<input name="brandname" class="form-control" value="<?php_if(isset($output['brandname']))){echo_$output['brandname'];} else{echo_set_value('brandname');}?>">
<span style="color:#c09853">
<?php echo form_error('brandname'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<div class="form-group">
<label>No. of samples:</label>
<input type="number" name="samplecount" min="1" max="50" class="form-control" value="<?php_if(isset($output['sample_count']))){echo_$output['sample_count'];} else{echo_set_value('samplecount');}?>">
<span style="color:#c09853">
<?php echo form_error('samplecount'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Collected by:</label>
<input name="collected_by" class="form-control" value="<?php_if(isset($output['collected_by']))){echo_$output['collected_by'];} else{echo_set_value('collected_by');}?>">
<span style="color:#c09853">
<?php echo form_error('collected_by'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Collection Date:</label>
<input type="date" name="collection_date" class="form-control" value="<?php_if(isset($output['collection_date']))){echo_$output['collection_date'];} else{echo_set_value('collection_date');}?>">
<span style="color:#c09853">
<?php echo form_error('collection_date'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group" id="region">
<label for="disabledSelect">Region</label>
<select name="addr_region" class="form-control">
<option value="13" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='13'){echo "selected";} else{echo set_select('addr_region','13');} ?>>NCR</option>
<option value="14" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='14'){echo "selected";} else{echo set_select('addr_region','14');} ?>>CAR</option>
<option value="1" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='1'){echo "selected";} else{echo set_select('addr_region','1');} ?>>I - Ilocos Region</option>
<option value="2" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='2'){echo "selected";} else{echo set_select('addr_region','2');} ?>>II - Cagayan Valley</option>
<option value="3" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='3'){echo "selected";} else{echo set_select('addr_region','3');} ?>>III - Central Luzon</option>
<option value="4" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='4'){echo "selected";} else{echo set_select('addr_region','4');} ?>>IVA - CALABARZON</option>
<option value="17" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='17'){echo "selected";} else{echo set_select('addr_region','17');} ?>>IVB - MIMAROPA</option>
<option value="5" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='5'){echo "selected";} else{echo set_select('addr_region','5');} ?>>V - Bicol Region</option>
<option value="6" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='6'){echo "selected";} else{echo set_select('addr_region','6');} ?>>VI - Western Visayas</option>
<option value="7" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='7'){echo "selected";} else{echo set_select('addr_region','7');} ?>>VII - Central Visayas</option>
<option value="8" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='8'){echo "selected";} else{echo set_select('addr_region','8');} ?>>VIII - Eastern Visayas</option>
<option value="9" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='9'){echo "selected";} else{echo set_select('addr_region','9');} ?>>IX - Zamboanga Peninsula</option>
<option value="10" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='10'){echo "selected";} else{echo set_select('addr_region','10');} ?>>X - Northern Mindanao</option>
<option value="11" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='11'){echo "selected";} else{echo set_select('addr_region','11');} ?>>XI - Davao Region</option>
<option value="12" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='12'){echo "selected";} else{echo set_select('addr_region','12');} ?>>XII - SOCCSKSARGEN</option>
<option value="16" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='16'){echo "selected";} else{echo set_select('addr_region','16');} ?>>XIII - CARAGA</option>
<option value="15" <?php if(isset($output['stringaddr_region'])) && $output['stringaddr_region']=='15'){echo "selected";} else{echo set_select('addr_region','15');} ?>>ARMM</option>
</select>
<span style="color:#c09853">

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<?php echo form_error('addr_region'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Province</
label>
<input name="addr_province" class="form-
control" value="<?php_if(isset($output
['stringaddr_province']))){echo_$output
['stringaddr_province'];} else{echo_
set_value('addr_province');}?>">
<span style="color:#c09853">
<?php echo form_error('addr_province'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">City/
Municipality</label>
<input name="addr_citymuni" class="form-
control" value="<?php_if(isset($output
['stringaddr_citymuni']))){echo_$output
['stringaddr_citymuni'];} else{echo_
set_value('addr_citymuni');}?>">
<span style="color:#c09853">
<?php echo form_error('addr_citymuni'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Barangay</
label>
<input name="addr_barangay" class="form-
control" value="<?php_if(isset($output
['stringaddr_barangay']))){echo_$output
['stringaddr_barangay'];} else{echo_
set_value('addr_barangay');}?>">
<span style="color:#c09853">
<?php echo form_error('addr_barangay'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Manufacturer Name:</label>
<input name="manufacturer_name" class="
form-control" value="<?php_if(isset(
$output['manufacturer_name']))){echo_
$output['manufacturer_name'];} else{
echo_set_value('manufacturer_name')
};}?>">
<span style="color:#c09853">
<?php echo form_error('manufacturer_name')
; // print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Manufacturer Address:</label>
<input name="manufacturer_address" class="
form-control" value="<?php_if(isset(
$output['manufacturer_address']))){echo_
$output['manufacturer_address'];} else
{echo_set_value('manufacturer_name')
};}?>">
<span style="color:#c09853">
<?php echo form_error('
manufacturer_address'); // print error
prompt if input was invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Test Date:</label>
<input type="date" name="test_date" class="
form-control" value="<?php_if(isset(
$output['test_date']))){echo_$output['
test_date'];} else{echo_set_value('
test_date');}?>">
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Tested by:</label>
<input name="tested_by" class="form-
control" value="<?php_if(isset($output
['tested_by']))){echo_$output['
microorganism'] == 'E._coli'){echo "
selected";} else{echo set_select('
microorganism', 'E._coli');} ?>>E. coli
</option>
<option value="Bacillus_cereus" <?php if(
isset($output['microorganism'])) &&
$output['microorganism'] == 'Bacillus_
cereus'){echo "selected";} else{echo
set_select('microorganism', 'Bacillus_
cereus');} ?>>Bacillus cereus</option>
<option value="Campylobacter" <?php if(
isset($output['microorganism'])) &&
$output['microorganism'] == '
Campylobacter'){echo "selected";} else{
echo set_select('microorganism', '
Campylobacter');} ?>>Campylobacter</
option>
<option value="Staphylococcus" <?php if(
isset($output['microorganism'])) &&
$output['microorganism'] == '
Staphylococcus'){echo "selected";} else
{echo set_select('microorganism', '
Staphylococcus');} ?>>Staphylococcus</
option>
<option value="Clostridium_botulinum" <?
php if(isset($output['microorganism']))
&& $output['microorganism'] == '
Clostridium_botulinum'){echo "selected
";} else{echo set_select('microorganism
', 'Clostridium_botulinum');} ?>>
Clostridium botulinum</option>
<option value="Clostridium_perfringens" <?
php if(isset($output['microorganism']))
&& $output['microorganism'] == '
Clostridium_perfringens'){echo "
selected";} else{echo set_select('
microorganism', 'Clostridium_
perfringens');} ?>>Clostridium
perfringens</option>
<option value="Listeria_monocytogenes" <?
php if(isset($output['microorganism']))
&& $output['microorganism'] == '
Listeria_monocytogenes'){echo "
selected";} else{echo set_select('
microorganism', 'Listeria_monocytogenes
');} ?>>Listeria monocytogenes</option
>
<option value="Salmonella" <?php if(isset(
$output['microorganism'])) && $output['
microorganism'] == 'Salmonella'){echo "
selected";} else{echo set_select('
microorganism', 'Salmonella');} ?>>
Salmonella spp. (/25g)</option>
<option value="Yersinia_enterocolitica" <?
php if(isset($output['microorganism']))
&& $output['microorganism'] == '
Yersinia_enterocolitica'){echo "
selected";} else{echo set_select('
microorganism', 'Yersinia_
enterocolitica');} ?>>Yersinia
enterocolitica</option>
</select>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>No. of microorganisms:</label>
<input name="microorganismcount" class="
form-control" value="<?php_if(isset(
$output['microorganism_count']))){echo_
$output['microorganism_count'];} else{
echo_set_value('microorganismcount')
};}?>">
<span style="color:#c09853">
<?php echo form_error('microorganismcount'
); // print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Test Date:</label>
<input type="date" name="test_date" class="
form-control" value="<?php_if(isset(
$output['test_date']))){echo_$output['
test_date'];} else{echo_set_value('
test_date');}?>">
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Microorganism:</label>
<select name="microorganism" class="form-
control">
<option value="E._coli" <?php if(isset(
$output['microorganism']) && $output[

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        tested_by ');} else {echo_set_value('
        tested_by ');}?>">
<span style="color:#c09853">
<?php echo form_error('tested_by'); //
        print error prompt if input was
        invalid?>
</span>
</div>
</div>
</div>
<br/>
<div class="row">
<div class="col-lg-6">
<button type="submit" class="btn btn-
        primary pull-right">Submit</button>

```

```

</div>
<div class="col-lg-6">
<button type="reset" class="btn btn-
        primary pull-left">Reset</button>
</div>
</div>
<br/>
</div>
</div>
</div>
</div>
</div>
</div>

```

form_fish.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Seafood Sample
        Collection Form</h1>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<div class="panel panel-default">
<?php if(isset($edit)){?>
<div class="panel-heading" style="
        background-color:#f9cc66;">
        Edit Test Sample
</div>
<?php echo form_open('../editSample/'.
        $output['sample_ID']); ?>
<?php }else{?>
<div class="panel-heading">
        Add Test Sample
</div>
<?php echo form_open('addSample/fish');?>
<?php }?>
<div class="panel-body">
<div class="row">
<div class="col-lg-10 col-lg-offset-1">
<form role="form">
<h3>Sample Details</h3><br/>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Item: <i><small>(Sample Name)</
        small></i></label>
<input name="sample_name" class="form-
        control" value="<?php_if(isset($output
        ['sample_name']))){echo_<small>
        sample_name';} else {echo_set_value('
        sample_name');}?>">
<span style="color:#c09853">
<?php echo form_error('sample_name'); //
        print error prompt if input was
        invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>No. of samples:</label>
<input type="number" name="samplecount"
        min="1" max="50" class="form-control"
        value="<?php_if(isset($output['
        sample_count']))){echo_<small>
        sample_count';} else {echo_set_value('
        samplecount');}?>">
<span style="color:#c09853">
<?php echo form_error('samplecount'); //
        print error prompt if input was
        invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Source of Raw Material:</label>
<select name="f_source" class="form-
        control">
<option value="wild_caught" <?php if(
        isset($output['f_source']) && $output['
        f_source']=='wild_caught'){echo "
        selected";} else {echo set_select('
        f_source','wild_caught');} ?>>Wild
        Caught</option>
<option value="aquacultured" <?php if(
        isset($output['f_source']) && $output['
        f_source']=='aquacultured'){echo "
        selected";} else {echo set_select('

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        f_source','aquacultured');} ?>>
        Aquacultured</option>
</select>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<div class="form-group">
<label>Condition:</label>
<select name="f_condition" class="form-
        control">
<option value="fresh" <?php if(
        isset($output['f_condition']) && $output['
        f_condition']=='fresh'){echo "
        selected";} else {echo set_select('
        f_condition','fresh');} ?>>Fresh</option>
<option value="chilled" <?php if(
        isset($output['f_condition']) && $output['
        f_condition']=='chilled'){echo "
        selected";} else {echo set_select('
        f_condition','chilled');} ?>>Chilled</
        option>
<option value="frozen" <?php if(
        isset($output['f_condition']) && $output['
        f_condition']=='frozen'){echo "
        selected";} else {echo set_select('
        f_condition','frozen');} ?>>Frozen</
        option>
<option value="dried" <?php if(
        isset($output['f_condition']) && $output['
        f_condition']=='dried'){echo "
        selected";} else {echo set_select('
        f_condition','dried');} ?>>Dried</option>
<option value="canned" <?php if(
        isset($output['f_condition']) && $output['
        f_condition']=='canned'){echo "
        selected";} else {echo set_select('
        f_condition','canned');} ?>>Canned</
        option>
<option value="other" <?php if(
        isset($output['f_condition']) && $output['
        f_condition']=='other'){echo "
        selected";} else {echo set_select('
        f_condition','other');} ?>>Other</option>
</select>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Temperature (&deg;C):</label>
<input type="number" name="f_temp" min="
        -10" max="50" class="form-control"
        value="<?php_if(isset($output['f_temp
        ']))){echo_<small>f_temp';} else {echo
        _set_value('f_temp');}?>">
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Ave. Weight per sample:</label>
<input name="f_weight" class="form-control"
        value="<?php_if(isset($output['
        f_weight']))){echo_<small>f_weight
        '];} else {echo_set_value('f_weight')
        ')}?>">
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Sampling Point Type:</label>
<select name="f_samplingpoint" class="form-
        control">
<option value="fishlanding" <?php if(

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        ($output['f_samplingpoint']) &&
        $output['f_samplingpoint'] == '
        fishlanding') {echo "selected";} else {
        echo set_select('f_samplingpoint', '
        fishlanding');} ?>>Fish Landing Areas
    </option>
    <option value="wetmarket" <?php if(isset(
    $output['f_samplingpoint']) && $output[
    'f_samplingpoint'] == 'wetmarket') {echo
    "selected";} else {echo set_select('
    f_samplingpoint', 'wetmarket');} ?>>Wet
    Market</option>
</select>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Collected by:</label>
<input name="collected_by" class="form-
control" value="<?php_if(isset($output
['collected_by'])) {echo_$output['
collected_by'];} else {echo_set_value('
collected_by');} ?>>">
<span style="color:#c09853">
<?php echo form_error('collected_by'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Collection Date:</label>
<input type="date" name="collection_date"
class="form-control" value="<?php_if(
isset($output['collection_date'])) {
echo_$output['collection_date'];} else {
echo_set_value('collection_date');} ?>>"
>
<span style="color:#c09853">
<?php echo form_error('collection_date');
// print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Region</label>
<select name="addr_region" class="form-
control">
<option value="13" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '13') {echo "
selected";} else {echo set_select('
addr_region', '13');} ?>>NCR</option>
<option value="14" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '14') {echo "
selected";} else {echo set_select('
addr_region', '14');} ?>>CAR</option>
<option value="1" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '1') {echo "
selected";} else {echo set_select('
addr_region', '1');} ?>>I - Ilocos
Region</option>
<option value="2" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '2') {echo "
selected";} else {echo set_select('
addr_region', '2');} ?>>II - Cagayan
Valley</option>
<option value="3" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '3') {echo "
selected";} else {echo set_select('
addr_region', '3');} ?>>III - Central
Luzon</option>
<option value="4" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '4') {echo "
selected";} else {echo set_select('
addr_region', '4');} ?>>IVA -
CALABARZON</option>
<option value="17" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '17') {echo "
selected";} else {echo set_select('
addr_region', '17');} ?>>IVB - MIMAROPA
</option>
<option value="5" <?php if(isset($output[
'stringaddr_region']) && $output[
stringaddr_region'] == '5') {echo "
selected";} else {echo set_select('
addr_region', '5');} ?>>V - Bicol
Region</option>
<option value="6" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '6') {echo "
selected";} else {echo set_select('
addr_region', '6');} ?>>VI - Western
Visayas</option>
<option value="7" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '7') {echo "
selected";} else {echo set_select('
addr_region', '7');} ?>>VII - Central
Visayas</option>
<option value="8" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '8') {echo "
selected";} else {echo set_select('
addr_region', '8');} ?>>VIII - Eastern
Visayas</option>
<option value="9" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '9') {echo "
selected";} else {echo set_select('
addr_region', '9');} ?>>IX - Zamboanga
Peninsula</option>
<option value="10" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '10') {echo "
selected";} else {echo set_select('
addr_region', '10');} ?>>X - Northern
Mindanao</option>
<option value="11" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '11') {echo "
selected";} else {echo set_select('
addr_region', '11');} ?>>XI - Davao
Region</option>
<option value="12" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '12') {echo "
selected";} else {echo set_select('
addr_region', '12');} ?>>XII -
SOCCSKSARGEN</option>
<option value="16" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '16') {echo "
selected";} else {echo set_select('
addr_region', '16');} ?>>XIII - CARAGA
</option>
<option value="15" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region'] == '15') {echo "
selected";} else {echo set_select('
addr_region', '15');} ?>>ARMM</option>
</select>
<span style="color:#c09853">
<?php echo form_error('addr_region'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Province</
label>
<input name="addr_province" class="form-
control" value="<?php_if(isset($output
['stringaddr_province'])) {echo_$output
['stringaddr_province'];} else {echo_
set_value('addr_province');} ?>>">
<span style="color:#c09853">
<?php echo form_error('addr_province'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">City/
Municipality</label>
<input name="addr_citymuni" class="form-
control" value="<?php_if(isset($output
['stringaddr_citymuni'])) {echo_$output
['stringaddr_citymuni'];} else {echo_
set_value('addr_citymuni');} ?>>">
<span style="color:#c09853">
<?php echo form_error('addr_citymuni'); //
print error prompt if input was
invalid?>
</span>

```



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</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Barangay</label>
<input name="addr_barangay" class="form-control" value="<?php_if(isset($output['stringaddr_barangay'])){echo_$output['stringaddr_barangay'];} else {echo_set_value('addr_barangay');}?>">
<span style="color:#c09853">
<?php echo form_error('addr_barangay'); // print error prompt if input was invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Manufacturer Name:</label>
<input name="manufacturer_name" class="form-control" value="<?php_if(isset($output['manufacturer_name'])){echo_$output['manufacturer_name'];} else {echo_set_value('manufacturer_name');}?>">
<span style="color:#c09853">
<?php echo form_error('manufacturer_name'); // print error prompt if input was invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Manufacturer Address:</label>
<input name="manufacturer_address" class="form-control" value="<?php_if(isset($output['manufacturer_address'])){echo_$output['manufacturer_address'];} else {echo_set_value('manufacturer_name');}?>">
<span style="color:#c09853">
<?php echo form_error('manufacturer_address'); // print error prompt if input was invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Manufacturer Address:</label>
<input name="manufacturer_address" class="form-control" value="<?php_if(isset($output['manufacturer_address'])){echo_$output['manufacturer_address'];} else {echo_set_value('manufacturer_name');}?>">
<span style="color:#c09853">
<?php echo form_error('manufacturer_address'); // print error prompt if input was invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>No. of microorganisms:</label>
<input name="microorganismcount" class="form-control" value="<?php_if(isset($output['microorganismcount'])){echo_$output['microorganismcount'];} else {echo_set_value('microorganismcount');}?>">
<span style="color:#c09853">
<?php echo form_error('microorganismcount'); // print error prompt if input was invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Test Date:</label>
<input type="date" name="test_date" class="form-control" value="<?php_if(isset($output['test_date'])){echo_$output['test_date'];} else {echo_set_value('test_date');}?>">
</div>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Tested by:</label>
<input name="tested_by" class="form-control" value="<?php_if(isset($output['tested_by'])){echo_$output['tested_by'];} else {echo_set_value('tested_by');}?>">
<span style="color:#c09853">
<?php echo form_error('tested_by'); // print error prompt if input was invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Microorganism:</label>
<select name="microorganism" class="form-control">
<option value="E._coli" <?php_if(isset($output['microorganism'])) && $output['microorganism']=='E._coli'){echo "selected";} else {echo set_select('microorganism','E._coli');} ?>>E. coli</option>
<option value="Bacillus_cereus" <?php_if(isset($output['microorganism'])) && $output['microorganism']=='Bacillus_cereus'){echo "selected";} else {echo set_select('microorganism','Bacillus_cereus');} ?>>Bacillus cereus</option>
<option value="Campylobacter" <?php_if(isset($output['microorganism'])) && $output['microorganism']=='Campylobacter'){echo "selected";} else {echo set_select('microorganism','Campylobacter');} ?>>Campylobacter</option>
<option value="Staphylococcus" <?php_if(isset($output['microorganism'])) && $output['microorganism']=='Staphylococcus'){echo "selected";} else {echo set_select('microorganism','Staphylococcus');} ?>>Staphylococcus</option>
<option value="Clostridium_botulinum" <?php_if(isset($output['microorganism'])) && $output['microorganism']=='Clostridium_botulinum'){echo "selected";} else {echo set_select('microorganism','Clostridium_botulinum');} ?>>Clostridium botulinum</option>
<option value="Clostridium_perfringens" <
php if(isset($output['microorganism'])) && $output['microorganism']=='Clostridium_perfringens'){echo "selected";} else {echo set_select('microorganism','Clostridium_perfringens');} ?>>Clostridium perfringens</option>
<option value="Listeria_monocytogenes" <?php_if(isset($output['microorganism'])) && $output['microorganism']=='Listeria_monocytogenes'){echo "selected";} else {echo set_select('microorganism','Listeria_monocytogenes');} ?>>Listeria monocytogenes</option>
<option value="Salmonella" <?php_if(isset($output['microorganism'])) && $output['microorganism']=='Salmonella'){echo "selected";} else {echo set_select('microorganism','Salmonella');} ?>>Salmonella spp. (/25g)</option>
<option value="Yersinia_enterocolitica" <?php_if(isset($output['microorganism'])) && $output['microorganism']=='Yersinia_enterocolitica'){echo "selected";} else {echo set_select('microorganism','Yersinia_enterocolitica');} ?>>Yersinia enterocolitica</option>
</select>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>No. of microorganisms:</label>
<input name="microorganismcount" class="form-control" value="<?php_if(isset($output['microorganismcount'])){echo_$output['microorganismcount'];} else {echo_set_value('microorganismcount');}?>">
<span style="color:#c09853">
<?php echo form_error('microorganismcount'); // print error prompt if input was invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Test Date:</label>
<input type="date" name="test_date" class="form-control" value="<?php_if(isset($output['test_date'])){echo_$output['test_date'];} else {echo_set_value('test_date');}?>">
</div>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Tested by:</label>
<input name="tested_by" class="form-control" value="<?php_if(isset($output['tested_by'])){echo_$output['tested_by'];} else {echo_set_value('tested_by');}?>">
<span style="color:#c09853">
<?php echo form_error('tested_by'); // print error prompt if input was invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<button type="submit" class="btn btn-primary pull-right">Submit</button>
</div>
<div class="col-lg-6">
<div class="form-group">
<button type="reset" class="btn btn-primary pull-left">Reset</button>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>

```

form_meat.php

```
<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Meat Sample
Collection Form</h1>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<div class="panel-panel-default">
<?php if(isset($edit)) {?>
<div class="panel-heading" style="
background-color:#ffcc66;">
Edit Test Sample
</div>
<?php echo form_open('../editSample/'.
$output['sample_ID']); ?>
<?php } else {?>
<div class="panel-heading">
Add Test Sample
</div>
<?php echo form_open('addSample/meat');?>
<?php }?>
<div class="panel-body">
<div class="row">
<div class="col-lg-10_col-lg-offset-1">
<form role="form">
<h3>Sample Details</h3><br/>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Item: <i><small>(Sample Name)</small></i>
<small></small></label>
<input name="sample_name" class="form-
control" value="<?php if(isset($output
['sample_name'])) {echo $output['
sample_name'];} else {echo set_value('
sample_name');}?>">
<span style="color:#c09853">
<?php echo form_error('sample_name'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Collection Date:</label>
<input type="date" name="collection_date"
class="form-control" value="<?php if(
isset($output['collection_date'])) {
echo $output['collection_date'];} else {
echo set_value('collection_date');}?>">
<span style="color:#c09853">
<?php echo form_error('collection_date');
// print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>No. of samples:</label>
<input type="number" name="samplecount"
min="1" max="50" class="form-control"
value="<?php if(isset($output['
sample_count'])) {echo $output['
sample_count'];} else {echo set_value('
samplecount');}?>">
<span style="color:#c09853">
<?php echo form_error('samplecount'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Meat Sample Type:</label>
<select name="m_type" class="form-control"
>
<option value="fresh" <?php if(isset(
$output['m_type']) && $output['m_type']
)=='fresh') {echo "selected";} else {echo
set_select('m_type','fresh');} ?>>
Fresh</option>
<option value="canned" <?php if(isset(
$output['m_type']) && $output['m_type']
)=='canned') {echo "selected";} else {
echo set_select('m_type','canned');}
?>>Canned</option>
<option value="frozen" <?php if(isset(
$output['m_type']) && $output['m_type']
)=='frozen') {echo "selected";} else {
echo set_select('m_type','frozen');}
?>>Frozen</option>
<option value="other" <?php if(isset(
$output['m_type']) && $output['m_type']
)=='other') {echo "selected";} else {echo
set_select('m_type','other');} ?>>
Other</option>
</select>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<div class="form-group">
<label>Ave. Weight per sample:</label>
<input name="m_weight" class="form-control"
value="<?php if(isset($output['
m_weight'])) {echo $output['m_weight']
};} else {echo set_value('m_weight')
};}?>">
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Date of Slaughter</label>
<input type="date" name="m_slaughter_date"
class="form-control" value="<?php if(
isset($output['slaughter_date'])) {echo
$output['slaughter_date'];} else {echo
set_value('slaughter_date');}?>">
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Collected by:</label>
<input name="collected_by" class="form-
control" value="<?php if(isset($output
['collected_by'])) {echo $output['
collected_by'];} else {echo set_value('
collected_by');}?>">
<span style="color:#c09853">
<?php echo form_error('collected_by'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Collection Date:</label>
<input type="date" name="collection_date"
class="form-control" value="<?php if(
isset($output['collection_date'])) {
echo $output['collection_date'];} else {
echo set_value('collection_date');}?>">
<span style="color:#c09853">
<?php echo form_error('collection_date');
// print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Region</label>
<select name="addr_region" class="form-
control">
<option value="13" <?php if(isset($output
['stringaddr_region']) && $output['
stringaddr_region']=='13') {echo "
selected";} else {echo set_select('
addr_region','13');} ?>>NCR</option>
<option value="14" <?php if(isset($output
['stringaddr_region']) && $output['
stringaddr_region']=='14') {echo "
selected";} else {echo set_select('
addr_region','14');} ?>>CAR</option>
<option value="1" <?php if(isset($output
['stringaddr_region']) && $output['
stringaddr_region']=='1') {echo "
selected";} else {echo set_select('
addr_region','1');} ?>>I - Ilocos
Region</option>
<option value="2" <?php if(isset($output
['stringaddr_region']) && $output['
stringaddr_region']=='2') {echo "
selected";} else {echo set_select('
addr_region','2');} ?>>II - Cagayan
Valley</option>
<option value="3" <?php if(isset($output
['stringaddr_region']) && $output['
stringaddr_region']=='3') {echo "
selected";} else {echo set_select('
addr_region','3');} ?>>III - Central
Luzon</option>
<option value="4" <?php if(isset($output
['stringaddr_region']) && $output['
stringaddr_region']=='4') {echo "
selected";} else {echo set_select('
addr_region','4');} ?>>IVA -
CALABARZON</option>
<option value="17" <?php if(isset($output
['stringaddr_region']) && $output['
stringaddr_region']=='17') {echo "
selected";} else {echo set_select('
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        addr_region', '17');} ?>>IVB - MIMAROPA
    </option>
    <option value="5" <?php if(isset($output['
        stringaddr_region'])) && $output['
        stringaddr_region']=='5'){echo "
        selected";} else{echo set_select('
        addr_region', '5');} ?>>V - Bicol
        Region</option>
    <option value="6" <?php if(isset($output['
        stringaddr_region'])) && $output['
        stringaddr_region']=='6'){echo "
        selected";} else{echo set_select('
        addr_region', '6');} ?>>VI - Western
        Visayas</option>
    <option value="7" <?php if(isset($output['
        stringaddr_region'])) && $output['
        stringaddr_region']=='7'){echo "
        selected";} else{echo set_select('
        addr_region', '7');} ?>>VII - Central
        Visayas</option>
    <option value="8" <?php if(isset($output['
        stringaddr_region'])) && $output['
        stringaddr_region']=='8'){echo "
        selected";} else{echo set_select('
        addr_region', '8');} ?>>VIII - Eastern
        Visayas</option>
    <option value="9" <?php if(isset($output['
        stringaddr_region'])) && $output['
        stringaddr_region']=='9'){echo "
        selected";} else{echo set_select('
        addr_region', '9');} ?>>IX - Zamboanga
        Peninsula</option>
    <option value="10" <?php if(isset($output[
        'stringaddr_region']) && $output['
        stringaddr_region']=='10'){echo "
        selected";} else{echo set_select('
        addr_region', '10');} ?>>X - Northern
        Mindanao</option>
    <option value="11" <?php if(isset($output[
        'stringaddr_region']) && $output['
        stringaddr_region']=='11'){echo "
        selected";} else{echo set_select('
        addr_region', '11');} ?>>XI - Davao
        Region</option>
    <option value="12" <?php if(isset($output[
        'stringaddr_region']) && $output['
        stringaddr_region']=='12'){echo "
        selected";} else{echo set_select('
        addr_region', '12');} ?>>XII -
        SOCCKSARGEN</option>
    <option value="16" <?php if(isset($output[
        'stringaddr_region']) && $output['
        stringaddr_region']=='16'){echo "
        selected";} else{echo set_select('
        addr_region', '16');} ?>>XIII - CARAGA
        </option>
    <option value="15" <?php if(isset($output[
        'stringaddr_region']) && $output['
        stringaddr_region']=='15'){echo "
        selected";} else{echo set_select('
        addr_region', '15');} ?>>ARMM</option>
</select>
<span style="color:#c09853">
<?php echo form_error('addr_region'); //
    print error prompt if input was
    invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Province</
    label>
<input name="addr_province" class="form-
    control" value="<?php_if(isset($output
    ['stringaddr_province']))){echo $output
    ['stringaddr_province'];} else{echo_
    set_value('addr_province');}?>">
<span style="color:#c09853">
<?php echo form_error('addr_province'); //
    print error prompt if input was
    invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">City/
    Municipality</label>
<input name="addr_citymuni" class="form-
    control" value="<?php_if(isset($output
    ['stringaddr_citymuni']))){echo $output
    ['stringaddr_citymuni'];} else{echo_
    set_value('addr_citymuni');}?>">
<span style="color:#c09853">
<?php echo form_error('addr_citymuni'); //
    print error prompt if input was
    invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<span style="color:#c09853">
<?php echo form_error('addr_citymuni'); //
    print error prompt if input was
    invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Barangay</
    label>
<input name="addr_barangay" class="form-
    control" value="<?php_if(isset($output
    ['stringaddr_barangay']))){echo $output
    ['stringaddr_barangay'];} else{echo_
    set_value('addr_barangay');}?>">
<span style="color:#c09853">
<?php echo form_error('addr_barangay'); //
    print error prompt if input was
    invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Manufacturer Name:</label>
<input name="manufacturer_name" class="
    form-control" value="<?php_if(isset(
    $output['manufacturer_name']))){echo_
    $output['manufacturer_name'];} else{
    echo_set_value('manufacturer_name')
    ;}?>">
<span style="color:#c09853">
<?php echo form_error('manufacturer_name')
    ; // print error prompt if input was
    invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Manufacturer Address:</label>
<input name="manufacturer_address" class="
    form-control" value="<?php_if(isset(
    $output['manufacturer_address']))){echo_
    $output['manufacturer_address'];} else
    {echo_set_value('manufacturer_name')
    ;}?>">
<span style="color:#c09853">
<?php echo form_error('
    manufacturer_address'); // print error
    prompt if input was invalid?>
</span>
</div>
</div>
</div>
<br/>
<h3>Test Details</h3><br/>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Microorganism:</label>
<select name="microorganism" class="form-
    control">
<option value="E._coli" <?php if(isset(
    $output['microorganism']) && $output['
    microorganism']=='E._coli'){echo "
    selected";} else{echo set_select('
    microorganism', 'E._coli');} ?>>E. coli
    </option>
<option value="Bacillus_cereus" <?php if(
    isset($output['microorganism']) &&
    $output['microorganism']=='Bacillus_
    cereus'){echo "selected";} else{echo
    set_select('microorganism', 'Bacillus_
    cereus');} ?>>Bacillus cereus</option>
<option value="Campylobacter" <?php if(
    isset($output['microorganism']) &&
    $output['microorganism']=='
    Campylobacter'){echo "selected";} else{
    echo set_select('microorganism', '
    Campylobacter');} ?>>Campylobacter</
    option>
<option value="Staphylococcus" <?php if(
    isset($output['microorganism']) &&
    $output['microorganism']=='
    Staphylococcus'){echo "selected";} else
    {echo set_select('microorganism', '
    Staphylococcus');} ?>>Staphylococcus</
    option>
<option value="Clostridium_botulinum" <?
    php if(isset($output['microorganism'])
    && $output['microorganism']=='
    Clostridium_botulinum'){echo "selected
    ";} else{echo set_select('microorganism
    ', 'Clostridium_botulinum');} ?>>
    Clostridium botulinum</option>
<option value="Clostridium_perfringens" <?

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        php if(isset($output['microorganism']))
            && $output['microorganism']==
            Clostridium_perfringens'){echo "
            selected";}else{echo set_select(
            'microorganism','Clostridium_
            perfringens');} ?>>Clostridium
            perfringens </option>
<option value="Listeria_monocytogenes" <?
        php if(isset($output['microorganism']))
            && $output['microorganism']==
            Listeria_monocytogenes){echo "
            selected";}else{echo set_select(
            'microorganism','Listeria_monocytogenes
            ');} ?>>Listeria monocytogenes </option
        >
<option value="Salmonella" <?php if(isset(
        $output['microorganism']) && $output[
        'microorganism']=='Salmonella'){echo "
        selected";}else{echo set_select(
        'microorganism','Salmonella');} ?>>
        Salmonella spp. (/25g) </option>
<option value="Yersinia_enterocolitica" <?
        php if(isset($output['microorganism']))
            && $output['microorganism']==
            Yersinia_enterocolitica){echo "
            selected";}else{echo set_select(
            'microorganism','Yersinia_
            enterocolitica');} ?>>Yersinia
            enterocolitica </option>
    </select>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>No. of microorganisms:</label>
<input name="microorganismcount" class="
        form-control" value="<?php-if(isset(
        $output['microorganismcount'])){echo-
        $output['microorganismcount'];}else{
        echo_set_value('microorganismcount'
        );}?">
<span style="color:#c09853">
<?php echo form_error('microorganismcount'
        ); // print error prompt if input was
        invalid?>
</span>
</div>

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</div>
<div class="col-lg-3">
<div class="form-group">
<label>Test Date:</label>
<input type="date" name="test_date" class="
        form-control" value="<?php-if(isset(
        $output['test_date'])){echo-$output[
        'test_date'];}else{echo_set_value(
        'test_date');}?">
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Tested by:</label>
<input name="tested_by" class="form-
        control" value="<?php-if(isset($output
        ['tested_by'])){echo-$output[
        'tested_by'];}else{echo_set_value(
        'tested_by');}?">
<span style="color:#c09853">
<?php echo form_error('tested_by'); //
        print error prompt if input was
        invalid?>
</span>
</div>
</div>
</div>
</div>
<br/>
<div class="row">
<div class="col-lg-6">
<button type="submit" class="btn btn-
        primary pull-right">Submit</button>
</div>
<div class="col-lg-6">
<button type="reset" class="btn btn-
        primary pull-left">Reset</button>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>

```

form_patient.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Foodborne Disease
        Form</h1>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<div class="panel panel-default">
<?php if(isset($edit)){?>
<div class="panel-heading" style="
        background-color:#ffcc66;">
        Edit Patient Data
    </div>
<?php echo form_open('.. / editPatient/'.
        $output['patient_ID']); ?>
<?php }else{?>
<div class="panel-heading">
        Add Patient Data
    </div>
<?php echo form_open('addPatient');?>
<?php }?>
<div class="panel-body">
<div class="row">
<div class="col-lg-6">
<form role="form">
<h3>Basic Details</h3>
<br/>
<div class="form-group">
<label>Full name:</label>
<input name="patient_name" class="form-
        control" placeholder="Last _Name, _First
        _Name, _Middle _Initial" value="<?php-if
        (isset($output['patient_name'])){echo-
        $output['patient_name'];}else{echo_
        set_value('patient_name');}?">
<span style="color:#c09853">
<?php echo form_error('patient_name'); //
        print error prompt if input was
        invalid?>
</span>

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</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Birthdate:</label>
<input id="dob" name="birthdate" type="
        date" class="form-control" value="<?
        php-if(isset($output['birthdate'])){
        echo-$output['birthdate'];}else{echo_
        set_value('birthdate');}?">
<span style="color:#c09853">
<?php echo form_error('birthdate'); //
        print error prompt if input was
        invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label class="control-label">Sex:</label>
<div class="form-inline">
<div class="radio">
<label class="radio-inline control-label">
<input type="radio" id="sex" name="sex"
        value="male" <?php if(isset($output[
        'sex']) && $output['sex']=='male'){echo
        "checked";}?">
        Male
    </label>
</div>
<div class="radio">
<label class="radio-inline control-label">
<input type="radio" id="sex" name="sex"
        value="female" <?php if(isset($output[
        'sex']) && $output['sex']=='female'){
        echo "checked";}?">
        Female
    </label>
</div>
</div>
</div>
<span style="color:#c09853">
<?php echo form_error('sex'); // print
        error prompt if input was invalid?>

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</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<div class="form-group">
<label>Occupation: * (NA if none)</label>
<input name="occupation" class="form-
control" value="<?php_if(isset($output
['occupation']))){echo_$output['
occupation'];} else {echo_set_value('
occupation');}?>">
<span style="color:#c09853">
<?php echo form_error('occupation'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
</div>
<label>Address:</label>
<div class="row">
<div class="col-lg-6">
<div class="form-group" id="region">
<label for="disabledSelect">Region</label>
<input name="addr_region" class="form-
control" value="<?php_if(isset($output
['stringaddr_province']))){echo_$output
['stringaddr_region'];} else {echo_$user
['stringaddr_region'];}?>">
<span style="color:#c09853">
<?php echo form_error('addr_region'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Province</
label>
<input name="addr_province" class="form-
control" value="<?php_if(isset($output
['stringaddr_province']))){echo_$output
['stringaddr_province'];} else {echo_
$user['stringaddr_province'];}?>">
<span style="color:#c09853">
<?php echo form_error('addr_province'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">City/
Municipality</label>
<input name="addr_citymuni" class="form-
control" value="<?php_if(isset($output
['stringaddr_citymuni']))){echo_$output
['stringaddr_citymuni'];} elseif ($user
['role']=='cmhw' || $_user['role']=='
bhw'){echo_$user['stringaddr_citymuni
'];}?>">
<span style="color:#c09853">
<?php echo form_error('addr_citymuni'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Barangay</
label>
<input name="addr_barangay" class="form-
control" value="<?php_if(isset($output
['stringaddr_barangay']))){echo_$output
['stringaddr_barangay'];} elseif ($user
['role']=='bhw'){echo_$user['
stringaddr_barangay'];}?>">
<span style="color:#c09853">
<?php echo form_error('addr_barangay'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label class="control-label">Patient
admitted? </label>
<div class="form-inline">
<div class="radio">
<label class="radio-inline control-label">
<input type="radio" id="patient_admitted"
name="patient_admitted" value="Yes"
onclick="enableDisable('Yes')" <?php
if (isset($output['patient_admitted'])
&&& $output['patient_admitted']=='Yes")
{echo "checked";}?>>
Yes
</label>
</div>
<div class="radio">
<label class="radio-inline control-label">
<input type="radio" id="patient_admitted"
name="patient_admitted" value="No"
onclick="enableDisable('No')" <?php if
(isset($output['patient_admitted']) &&&
$output['patient_admitted']=='No"){
echo "checked";}?>>
No
</label>
</div>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Date admitted/seen/consulted:</
label>
<input id="admitdate" name="admitdate"
type="date" class="form-control" value
="<?php_if(isset($output['admitdate']))
){echo_$output['admitdate'];} else {echo
_set_value('admitdate');}?>">
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Date onset of illness:</label>
<input id="onsetdate" name="onsetdate"
type="date" class="form-control" value
="<?php_if(isset($output['onsetdate']))
){echo_$output['onsetdate'];} else {echo
_set_value('onsetdate');}?>">
</div>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-9">
<div class="form-group">
<label>Case classification</label>
<div class="form-inline">
<div class="row">
<div class="col-lg-4">
<div class="radio">
<label class="radio-inline control-label">
<input type="radio" name="
case_classification" value="suspected"
<?php if (isset($output['
case_classification']) &&& $output['
case_classification']=='suspected"){
echo "checked";}?>>
Suspected
</label>
</div>
</div>
<div class="col-lg-4">
<div class="radio">
<label class="radio-inline control-label">
<input type="radio" name="
case_classification" value="confirmed"
<?php if (isset($output['
case_classification']) &&& $output['
case_classification']=='confirmed"){
echo "checked";}?>>
Confirmed
</label>
</div>
</div>
</div>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<div class="form-group">
<label>Outcome</label>
<div class="form-inline">
<div class="row">
<div class="col-lg-4">
<div class="radio">
<label class="radio-inline control-label">
<input type="radio" name="outcome" value="
Alive" <?php if (isset($output['outcome
']) &&& $output['outcome']=='alive"){
echo "checked";}?>>
Alive
</label>
</div>
</div>
</div>

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<div class="col-lg-4">
<div class="radio">
<label class="radio-inline control-label">
<input type="radio" name="outcome" value="
Dead" <?php if(isset($output['outcome'
])) && $output['outcome']=="dead"){echo
"checked";}?>>
Dead, date died:
</label>
</div>
<div class="form-group">
<input id="deathdate" name="deathdate"
type="date" class="form-control"
value="<?php_if(isset($output['
deathdate']))){echo_$output['deathdate
'];} else {echo_set_value('deathdate')}
;?>>">
</div>
</div>
<div class="col-lg-4">
<div class="radio">
<label class="radio-inline control-label">
<input type="radio" name="outcome" value="
Unknown" <?php if(isset($output['
outcome'])) && $output['outcome']=="
unknown"){echo "checked";}?>>
Unknown
</label>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<div class="col-lg-6">
<h3>Source:</h3>
<br/>
<div class="form-group">
<label>Source of Drinking Water:</label>
<div class="row">
<div class="col-lg-4">
<div class="checkbox">
<input type="checkbox" name="sdw[]" value=
"deep_well" <?php if(isset($output['
sdw']) && strpos($output['sdw'], 'deep
_well')!==false){echo "checked";}?>>
Deep well
</label>
</div>
<div class="checkbox">
<input type="checkbox" name="sdw[]" value=
"piped_water_system" <?php if(isset(
$output['sdw']) && strpos($output['sdw'
'], 'piped_water_system')!==false){
echo "checked";}?>>Piped water system
</label>
</div>
<div class="checkbox">
<input type="checkbox" name="sdw[]" value=
"open_dug_well" <?php if(isset($output
['sdw']) && strpos($output['sdw'], '
open_dug_well')!==false){echo "checked
";}?>>Open dug well
</label>
</div>
</div>
<div class="col-lg-4">
<div class="checkbox">
<input type="checkbox" name="sdw[]" value=
"spring" <?php if(isset($output['sdw'
])) && strpos($output['sdw'], 'spring'
) !==false){echo "checked";}?>>Spring
</label>
</div>
<div class="checkbox">
<input type="checkbox" name="sdw[]" value=
"surface_water" <?php if(isset($output
['sdw']) && strpos($output['sdw'], '
surface_water')!==false){echo "checked
";}?>>Surface water
</label>
</div>
</div>
<div class="col-lg-4">
<div class="checkbox">
<input type="checkbox" name="sdw[]" value=
"water_vendor" <?php if(isset($output[
'sdw']) && strpos($output['sdw'], '
water_vendor')!==false){echo "checked"
;}?>>Water vendor
</label>
</div>
</div>
<div class="checkbox">
<input type="checkbox" name="sdw[]" value=
"water_refilling_station" <?php if(
isset($output['sdw']) && strpos(
$output['sdw'], 'water_refilling_
station')!==false){echo "checked";}?>>
Water refilling station
</label>
</div>
</div>
</div>
</div>
<div class="form-group">
<label>Toilet Facility:</label>
<div class="row">
<div class="col-lg-4">
<div class="radio">
<input name="toiletfacility" type="radio"
value="flush">Flush
</label>
</div>
</div>
<div class="col-lg-4">
<div class="radio">
<input name="toiletfacility" type="radio"
value="pit_latrine">Pit latrine
</label>
</div>
</div>
<div class="col-lg-4">
<div class="radio">
<input name="toiletfacility" type="radio"
value="none">None
</label>
</div>
</div>
</div>
</div>
<div class="form-group">
<label>Suspected food or drink:</label>
<div class="row">
<div class="col-lg-4">
<div class="radio">
<input type="radio" id="yes" name="
fooddrink" value="Yes" onclick="
getSuspectedFD('Yes')" <?php if(isset(
$output['fooddrink']) && $output['
fooddrink']=="Yes"){echo "checked"
;}?>>Yes, specify:
</label>
<input id="suspectedfooddrink" name="
suspectedfooddrink" class="form-
control" onchange="changeYesValue(this
.value)">
</div>
</div>
<div class="col-lg-4">
<div class="radio">
<input type="radio" id="no" name="
fooddrink" value="No" onclick="
getSuspectedFD('No')" <?php if(isset(
$output['fooddrink']) && $output['
fooddrink']=="No"){echo "checked";}?>>
No
</label>
</div>
</div>
<div class="col-lg-4">
<div class="radio">
<input type="radio" id="unknown" name="
fooddrink" value="Unknown" onclick="
getSuspectedFD('Unknown')" <?php if(
isset($output['fooddrink']) && $output
['fooddrink']=="Unknown"){echo "
checked";}?>>Unknown
</label>
</div>
</div>
</div>
</div>
<div class="form-group">
<label>Source of suspected food or drink
:</label>
<div class="row">
<div class="col-lg-4">
<div class="checkbox">
<input type="checkbox" name="sourcesfd[]"
value="home" <?php if(isset($output[
'sourcesfd']) && strpos($output['
sourcesfd'], 'home')!==false){echo "
checked";}?>>Home
</label>
</div>
<div class="checkbox">
</div>
</div>
</div>

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<input type="checkbox" name="sourcesfd[]"
value="street_food_vendor" <?php if(
isset($output['sourcesfd']) && strpos(
$output['sourcesfd'], 'street_food_
vendor')!=false){echo "checked";}?>>
Street food vendor
</label>
</div>
<div class="checkbox">
<label>
<input type="checkbox" name="sourcesfd[]"
value="food_establishment" <?php if(
isset($output['sourcesfd']) && strpos(
$output['sourcesfd'], 'food_
establishment')!=false){echo "checked
";}?>>Food establishment
</label>
</div>
<div class="checkbox">
<label>
<input type="checkbox" name="sourcesfd[]"
value="grocery" <?php if(isset($output
['sourcesfd']) && strpos($output['
sourcesfd'], 'grocery')!=false){echo
"checked";}?>>Grocery
</label>
</div>
<div class="col-lg-4">
<div class="checkbox">
<label>
<input type="checkbox" name="sourcesfd[]"
value="market" <?php if(isset($output[
'sourcesfd']) && strpos($output['
sourcesfd'], 'market')!=false){echo "
checked";}?>>Market
</label>
</div>
<div class="checkbox">
<label>
<input type="checkbox" name="sourcesfd[]"
value="convenience_store" <?php if(
isset($output['sourcesfd']) && strpos(
$output['sourcesfd'], 'convenience_
store')!=false){echo "checked";}?>>
Convenience store
</label>
</div>
<div class="checkbox">
<label>
<input type="checkbox" name="sourcesfd[]"
value="neighbor" <?php if(isset(
$output['sourcesfd']) && strpos(
$output['sourcesfd'], 'neighbor')!=
false){echo "checked";}?>>Neighbor
</label>
</div>
<div class="checkbox">
<label>
<input type="checkbox" name="sourcesfd[]"
value="celebration" <?php if(isset(
$output['sourcesfd']) && strpos(
$output['sourcesfd'], 'celebration')
!=false){echo "checked";}?>>
Celebration / gathering
</label>
</div>
</div>
<div class="col-lg-4">
<div class="checkbox">
<label>
<input type="checkbox" name="sourcesfd[]"
value="bakery" <?php if(isset($output[
'sourcesfd']) && strpos($output['
sourcesfd'], 'bakery')!=false){echo "
checked";}?>>Bakery / cakeshop
</label>
</div>
<div class="checkbox">
<label>
<input type="checkbox" name="sourcesfd[]"
value="unknown" <?php if(isset($output
['sourcesfd']) && strpos($output['
sourcesfd'], 'unknown')!=false){echo
"checked";}?>>Unknown
</label>
</div>
<div class="checkbox">
<label>
<input type="checkbox" name="sourcesfd[]"
value="others">Others, specify :
</label>
</div>
<input class="form-control" name="others"
onchange="changeOthersValue(this.value
)">
</div>
</div>
</div>
<label>Micro Test:</label>
<select name="microorganism" class="form-
control">
<option value="E.coli" <?php if(isset(
$output['stoolculture']) && $output['
stoolculture']=='E.coli'){echo "
selected";}else{echo set_select('
microorganism','E.coli');}?>>E. coli
</option>
<option value="Bacillus_cereus" <?php if(
isset($output['stoolculture']) &&
$output['stoolculture']=='Bacillus_
cereus'){echo "selected";}else{echo
set_select('microorganism','Bacillus_
cereus');}?>>Bacillus cereus</option>
<option value="Campylobacter" <?php if(
isset($output['stoolculture']) &&
$output['stoolculture']=='
Campylobacter'){echo "selected";}else{
echo set_select('microorganism','
Campylobacter');}?>>Campylobacter</
option>
<option value="Staphylococcus" <?php if(
isset($output['stoolculture']) &&
$output['stoolculture']=='
Staphylococcus'){echo "selected";}else
{echo set_select('microorganism','
Staphylococcus');}?>>Staphylococcus</
option>
<option value="Clostridium_botulinum" <?
php if(isset($output['stoolculture'])
&& $output['stoolculture']=='
Clostridium_botulinum'){echo "selected
";}else{echo set_select('microorganism
','Clostridium_botulinum');}?>>
Clostridium botulinum</option>
<option value="Clostridium_perfringens" <?
php if(isset($output['stoolculture'])
&& $output['stoolculture']=='
Clostridium_perfringens'){echo "
selected";}else{echo set_select('
microorganism','Clostridium_
perfringens');}?>>Clostridium
perfringens</option>
<option value="Listeria_monocytogenes" <?
php if(isset($output['stoolculture'])
&& $output['stoolculture']=='Listeria_
monocytogenes'){echo "selected";}else{
echo set_select('microorganism','
Listeria_monocytogenes');}?>>Listeria
monocytogenes</option>
<option value="Salmonella" <?php if(isset(
$output['stoolculture']) && $output['
stoolculture']=='Salmonella'){echo "
selected";}else{echo set_select('
microorganism','Salmonella');}?>>
Salmonella spp. (/25g)</option>
<option value="Yersinia_enterocolitica" <?
php if(isset($output['stoolculture'])
&& $output['stoolculture']=='Yersinia_
enterocolitica'){echo "selected";}else
{echo set_select('microorganism','
Yersinia_enterocolitica');}?>>
Yersinia enterocolitica</option>
</select>
</form>
</div>
</div>
</br>
</br>
<div class="row">
<div class="col-lg-6">
<button type="submit" class="btn btn-
default pull-right">Submit</button>
</div>
<div class="col-lg-6">
<button type="reset" class="btn btn-
default pull-left">Reset</button>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>

```

form_plant.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Fruit and
Vegetable Sample Collection Form</h1>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<div class="panel panel-default">
<?php if(isset($edit)){?>
<div class="panel-heading" style="
background-color:#ffcc66;">
Edit Test Sample
</div>
<?php echo form_open('../editSample/'.
$output['sample_ID']); ?>
<?php }else{?>
<div class="panel-heading">
Add Test Sample
</div>
<?php echo form_open('addSample/plant');?>
<?php }?>
<div class="panel-body">
<div class="row">
<div class="col-lg-10_col-lg-offset-1">
<form role="form">
<h3>Sample Details</h3><br/>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Fruit/Vegetable name: <i><small>(
Sample Name)</small></i></label>
<input name="sample_name" class="form-
control" value="<?php-if(isset($output
['sample_name']))){echo-$output['
sample_name'];} else{echo-$set_value('
sample_name');}?>">
<span style="color:#c09853">
<?php echo form_error('sample_name'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>No. of samples:</label>
<input type="number" name="samplecount"
min="1" max="50" class="form-control"
value="<?php-if(isset($output['
sample_count']))){echo-$output['
sample_count'];} else{echo-$set_value('
samplecount');}?>">
<span style="color:#c09853">
<?php echo form_error('samplecount'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Collection Date:</label>
<input type="date" name="collection_date"
class="form-control" value="<?php-if(
isset($output['collection_date']))){
echo-$output['collection_date'];} else{
echo-$set_value('collection_date');}?>"
>
<span style="color:#c09853">
<?php echo form_error('collection_date');
// print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Collected by:</label>
<input name="collected_by" class="form-
control" value="<?php-if(isset($output
['collected_by']))){echo-$output['
collected_by'];} else{echo-$set_value('
collected_by');}?>">
<span style="color:#c09853">
<?php echo form_error('collected_by'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group" id="region">
<label for="disabledSelect">Region</label>
<select name="addr_region" class="form-
control">
<option value="13" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='13'){echo "
selected";} else{echo $set_select('
addr_region','13');} ?>>NCR</option>
<option value="14" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='14'){echo "
selected";} else{echo $set_select('
addr_region','14');} ?>>CAR</option>
<option value="1" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='1'){echo "
selected";} else{echo $set_select('
addr_region','1');} ?>>I - Ilocos
Region</option>
<option value="2" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='2'){echo "
selected";} else{echo $set_select('
addr_region','2');} ?>>II - Cagayan
Valley</option>
<option value="3" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='3'){echo "
selected";} else{echo $set_select('
addr_region','3');} ?>>III - Central
Luzon</option>
<option value="4" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='4'){echo "
selected";} else{echo $set_select('
addr_region','4');} ?>>IVA -
CALABARZON</option>
<option value="17" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='17'){echo "
selected";} else{echo $set_select('
addr_region','17');} ?>>IVB - MIMAROPA
</option>
<option value="5" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='5'){echo "
selected";} else{echo $set_select('
addr_region','5');} ?>>V - Bicol
Region</option>
<option value="6" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='6'){echo "
selected";} else{echo $set_select('
addr_region','6');} ?>>VI - Western
Visayas</option>
<option value="7" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='7'){echo "
selected";} else{echo $set_select('
addr_region','7');} ?>>VII - Central
Visayas</option>
<option value="8" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='8'){echo "
selected";} else{echo $set_select('
addr_region','8');} ?>>VIII - Eastern
Visayas</option>
<option value="9" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='9'){echo "
selected";} else{echo $set_select('
addr_region','9');} ?>>IX - Zamboanga
Peninsula</option>
<option value="10" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='10'){echo "
selected";} else{echo $set_select('
addr_region','10');} ?>>X - Northern
Mindanao</option>
<option value="11" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='11'){echo "
selected";} else{echo $set_select('
addr_region','11');} ?>>XI - Davao
Region</option>
<option value="12" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='12'){echo "
selected";} else{echo $set_select('
addr_region','12');} ?>>XII -
SOCCKSARGEN</option>
<option value="16" <?php if(isset($output[
'stringaddr_region']) && $output['
stringaddr_region']=='16'){echo "
selected";} else{echo $set_select('
addr_region','16');} ?>>XIII - CARAGA
</option>
<option value="15" <?php if(isset($output[

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        'stringaddr_region']) && $output['
stringaddr_region'] == '15'){echo "
selected";} else {echo set_select('
addr_region', '15');} ?></option>
</select>
<span style="color:#c09853">
<?php echo form_error('addr_region'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Province</
label>
<input name="addr_province" class="form-
control" value="<?php_if(isset($output
['stringaddr_province'])) {echo $output
['stringaddr_province'];} else {echo_
set_value('addr_province');}?>">
<span style="color:#c09853">
<?php echo form_error('addr_province'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">City/
Municipality</label>
<input name="addr_citymuni" class="form-
control" value="<?php_if(isset($output
['stringaddr_citymuni'])) {echo $output
['stringaddr_citymuni'];} else {echo_
set_value('addr_citymuni');}?>">
<span style="color:#c09853">
<?php echo form_error('addr_citymuni'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Barangay</
label>
<input name="addr_barangay" class="form-
control" value="<?php_if(isset($output
['stringaddr_barangay'])) {echo $output
['stringaddr_barangay'];} else {echo_
set_value('addr_barangay');}?>">
<span style="color:#c09853">
<?php echo form_error('addr_barangay'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Manufacturer Name:</label>
<input name="manufacturer_name" class="
form-control" value="<?php_if(isset(
$output['manufacturer_name'])) {echo_
$output['manufacturer_name'];} else {
echo_set_value('manufacturer_name')
};}?>">
<span style="color:#c09853">
<?php echo form_error('manufacturer_name')
; // print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Manufacturer Address:</label>
<input name="manufacturer_address" class="
form-control" value="<?php_if(isset(
$output['manufacturer_address'])) {echo
$output['manufacturer_address'];} else
{echo_set_value('manufacturer_name')
};}?>">
<span style="color:#c09853">
<?php echo form_error('
manufacturer_address'); // print error
prompt if input was invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Microorganism:</label>
<select name="microorganism" class="form-
control">
<option value="E._coli" <?php if(isset(
$output['microorganism']) && $output['
microorganism'] == 'E._coli'){echo "
selected";} else {echo set_select('
microorganism', 'E._coli');} ?>>E. coli
</option>
<option value="Bacillus_cereus" <?php if(
isset($output['microorganism']) &&
$output['microorganism'] == 'Bacillus_
cereus'){echo "selected";} else {echo
set_select('microorganism', 'Bacillus_
cereus');} ?>>Bacillus cereus</option>
<option value="Campylobacter" <?php if(
isset($output['microorganism']) &&
$output['microorganism'] == '
Campylobacter'){echo "selected";} else{
echo set_select('microorganism', '
Campylobacter');} ?>>Campylobacter</
option>
<option value="Staphylococcus" <?php if(
isset($output['microorganism']) &&
$output['microorganism'] == '
Staphylococcus'){echo "selected";} else
{echo set_select('microorganism', '
Staphylococcus');} ?>>Staphylococcus</
option>
<option value="Clostridium_botulinum" <?
php if(isset($output['microorganism'])
&& $output['microorganism'] == '
Clostridium_botulinum'){echo "selected
";} else {echo set_select('microorganism
', 'Clostridium_botulinum');} ?>>
Clostridium botulinum</option>
<option value="Clostridium_perfringens" <?
php if(isset($output['microorganism'])
&& $output['microorganism'] == '
Clostridium_perfringens'){echo "
selected";} else {echo set_select('
microorganism', 'Clostridium_
perfringens');} ?>>Clostridium
perfringens</option>
<option value="Listeria_monocytogenes" <?
php if(isset($output['microorganism'])
&& $output['microorganism'] == '
Listeria_monocytogenes'){echo "
selected";} else {echo set_select('
microorganism', 'Listeria_monocytogenes
');} ?>>Listeria monocytogenes</option
>
<option value="Salmonella" <?php if(isset(
$output['microorganism']) && $output['
microorganism'] == 'Salmonella'){echo "
selected";} else {echo set_select('
microorganism', 'Salmonella');} ?>>
Salmonella spp. (25g)</option>
<option value="Yersinia_enterocolitica" <?
php if(isset($output['microorganism'])
&& $output['microorganism'] == '
Yersinia_enterocolitica'){echo "
selected";} else {echo set_select('
microorganism', 'Yersinia_
enterocolitica');} ?>>Yersinia
enterocolitica</option>
</select>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>No. of microorganisms:</label>
<input name="microorganismcount" class="
form-control" value="<?php_if(isset(
$output['microorganismcount'])) {echo_
$output['microorganismcount'];} else {
echo_set_value('microorganismcount')
};}?>">
<span style="color:#c09853">
<?php echo form_error('microorganismcount'
); // print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Test Date:</label>
<input type="date" name="test_date" class="
form-control" value="<?php_if(isset(
$output['test_date'])) {echo $output['
test_date'];} else {echo_set_value('
test_date');}?>">
</div>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Test Details</h3><br/>
<div class="row">
<div class="col-lg-6">

```

```

<div class="col-lg-6">
<div class="form-group">
<label>Tested by:</label>
<input name="tested_by" class="form-
control" value="<?php_if(isset($output
['tested_by']))){echo_&#x2013;
tested_by '}; else {echo_&#x2013;set_value('
tested_by ');}?>">
<span style="color:#c09853">
<?php echo form_error('tested_by'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
</div>
<br/>
<div class="row">

```

```

<div class="col-lg-6">
<button type="submit" class="btn btn-
primary pull-right">Submit</button>
</div>
<div class="col-lg-6">
<button type="reset" class="btn btn-
primary pull-left">Reset</button>
</div>
</div>
</div>
<br/>
</div>
</div>
</div>
</div>
</div>
</div>

```

form_processedfood.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Processed Food
Collection Form</h1>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<div class="panel panel-default">
<?php if(isset($edit)){?>
<div class="panel-heading" style="
background-color:#ffc666;">
Edit Test Sample
</div>
<?php echo form_open('../editSample/'.
$output['sample_ID']); ?>
<?php }else{?>
<div class="panel-heading">
Add Test Sample
</div>
<?php echo form_open('addSample/
processedfood');?>
<?php }?>
<div class="panel-body">
<div class="row">
<div class="col-lg-10 col-lg-offset-1">
<form role="form">
<h3>Sample Details</h3><br/>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Item: <i><small>(Sample Name)</
small></i></label>
<input name="sample_name" class="form-
control" value="<?php_if(isset($output
['sample_name']))){echo_&#x2013;
sample_name '}; else {echo_&#x2013;set_value('
sample_name ');}?>">
<span style="color:#c09853">
<?php echo form_error('sample_name'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Brand Name:</label>
<input name="brandname" class="form-
control" value="<?php_if(isset($output
['brandname']))){echo_&#x2013;
brandname '}; else {echo_&#x2013;set_value('
brandname ');}?>">
<span style="color:#c09853">
<?php echo form_error('brandname'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<div class="form-group">
<label>No. of samples:</label>
<input type="number" name="samplecount"
min="1" max="50" class="form-control"
value="<?php_if(isset($output['
sample_count']))){echo_&#x2013;
sample_count '}; else {echo_&#x2013;set_value('
samplecount ');}?>">
<span style="color:#c09853">

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<?php echo form_error('samplecount'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Collected by:</label>
<input name="collected_by" class="form-
control" value="<?php_if(isset($output
['collected_by']))){echo_&#x2013;
collected_by '}; else {echo_&#x2013;set_value('
collected_by ');}?>">
<span style="color:#c09853">
<?php echo form_error('collected_by'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Collection Date:</label>
<input type="date" name="collection_date"
class="form-control" value="<?php_if(
isset($output['collection_date']))){
echo_&#x2013;collection_date '}; else {
echo_&#x2013;set_value('collection_date ');}?>">
<span style="color:#c09853">
<?php echo form_error('collection_date');
// print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Collected at:</label>
<div class="row">
<div class="col-lg-6">
<div class="form-group" id="region">
<label for="disabledSelect">Region</label>
<select name="addr_region" class="form-
control">
<option value="13" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region']=='13'){echo "
selected";} else {echo set_select('
addr_region','13'); ?>>NCR</option>
<option value="14" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region']=='14'){echo "
selected";} else {echo set_select('
addr_region','14'); ?>>CAR</option>
<option value="1" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region']=='1'){echo "
selected";} else {echo set_select('
addr_region','1'); ?>>I - Ilocos
Region</option>
<option value="2" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region']=='2'){echo "
selected";} else {echo set_select('
addr_region','2'); ?>>II - Cagayan
Valley</option>
<option value="3" <?php if(isset($output[
'stringaddr_region']) && $output[
'stringaddr_region']=='3'){echo "
selected";} else {echo set_select('

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        addr_region', '3'); } ?>>III - Central
        Luzon</option>
<option value="4" <?php if(isset($output[
        'stringaddr_region'])) && $output[
        'stringaddr_region']=='4'){echo "
        selected";} else{echo set_select('
        addr_region', '4'); } ?>>IVA -
        CALABARZON</option>
<option value="17" <?php if(isset($output[
        'stringaddr_region'])) && $output[
        'stringaddr_region']=='17'){echo "
        selected";} else{echo set_select('
        addr_region', '17'); } ?>>IVB - MIMAROPA
        </option>
<option value="5" <?php if(isset($output[
        'stringaddr_region'])) && $output[
        'stringaddr_region']=='5'){echo "
        selected";} else{echo set_select('
        addr_region', '5'); } ?>>V - Bicol
        Region</option>
<option value="6" <?php if(isset($output[
        'stringaddr_region'])) && $output[
        'stringaddr_region']=='6'){echo "
        selected";} else{echo set_select('
        addr_region', '6'); } ?>>VI - Western
        Visayas</option>
<option value="7" <?php if(isset($output[
        'stringaddr_region'])) && $output[
        'stringaddr_region']=='7'){echo "
        selected";} else{echo set_select('
        addr_region', '7'); } ?>>VII - Central
        Visayas</option>
<option value="8" <?php if(isset($output[
        'stringaddr_region'])) && $output[
        'stringaddr_region']=='8'){echo "
        selected";} else{echo set_select('
        addr_region', '8'); } ?>>VIII - Eastern
        Visayas</option>
<option value="9" <?php if(isset($output[
        'stringaddr_region'])) && $output[
        'stringaddr_region']=='9'){echo "
        selected";} else{echo set_select('
        addr_region', '9'); } ?>>IX - Zamboanga
        Peninsula</option>
<option value="10" <?php if(isset($output[
        'stringaddr_region'])) && $output[
        'stringaddr_region']=='10'){echo "
        selected";} else{echo set_select('
        addr_region', '10'); } ?>>X - Northern
        Mindanao</option>
<option value="11" <?php if(isset($output[
        'stringaddr_region'])) && $output[
        'stringaddr_region']=='11'){echo "
        selected";} else{echo set_select('
        addr_region', '11'); } ?>>XI - Davao
        Region</option>
<option value="12" <?php if(isset($output[
        'stringaddr_region'])) && $output[
        'stringaddr_region']=='12'){echo "
        selected";} else{echo set_select('
        addr_region', '12'); } ?>>XII -
        SOCKSARGEN</option>
<option value="16" <?php if(isset($output[
        'stringaddr_region'])) && $output[
        'stringaddr_region']=='16'){echo "
        selected";} else{echo set_select('
        addr_region', '16'); } ?>>XIII - CARAGA
        </option>
<option value="15" <?php if(isset($output[
        'stringaddr_region'])) && $output[
        'stringaddr_region']=='15'){echo "
        selected";} else{echo set_select('
        addr_region', '15'); } ?>>ARMM</option>
</select>
<span style="color:#c09853">
<?php echo form_error('addr_region'); //
        print error prompt if input was
        invalid?>
</span>
</div>
<div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Province</
        label>
<input name="addr_province" class="form-
        control" value="<?php_if(isset($output
        ['stringaddr_province']))){echo_$output
        ['stringaddr_province'];} else{echo_
        set_value('addr_province');}>">
<span style="color:#c09853">
<?php echo form_error('addr_province'); //
        print error prompt if input was
        invalid?>
</span>
</div>
</div>

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</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">City/
        Municipality</label>
<input name="addr_citymuni" class="form-
        control" value="<?php_if(isset($output
        ['stringaddr_citymuni']))){echo_$output
        ['stringaddr_citymuni'];} else{echo_
        set_value('addr_citymuni');}>">
<span style="color:#c09853">
<?php echo form_error('addr_citymuni'); //
        print error prompt if input was
        invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Barangay</
        label>
<input name="addr_barangay" class="form-
        control" value="<?php_if(isset($output
        ['stringaddr_barangay']))){echo_$output
        ['stringaddr_barangay'];} else{echo_
        set_value('addr_barangay');}>">
<span style="color:#c09853">
<?php echo form_error('addr_barangay'); //
        print error prompt if input was
        invalid?>
</span>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Manufacturer Name:</label>
<input name="manufacturer_name" class="
        form-control" value="<?php_if(isset(
        $output['manufacturer_name']))){echo_
        $output['manufacturer_name'];} else{
        echo_set_value('manufacturer_name')
        ;}>">
<span style="color:#c09853">
<?php echo form_error('manufacturer_name')
        ; // print error prompt if input was
        invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Manufacturer Address:</label>
<input name="manufacturer_address" class="
        form-control" value="<?php_if(isset(
        $output['manufacturer_address']))){echo_
        $output['manufacturer_address'];} else
        {echo_set_value('manufacturer_name')
        ;}>">
<span style="color:#c09853">
<?php echo form_error('
        manufacturer_address'); // print error
        prompt if input was invalid?>
</span>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<div class="form-group">
<label>Condition:</label>
<select name="pf_condition" class="form-
        control">
<option value="hot" <?php if(isset($output
        ['pf_condition'])) && $output[
        'pf_condition']=='hot'){echo "selected"
        ;} else{echo set_select('pf_condition',
        'hot'); } ?>>Hot</option>
<option value="cold" <?php if(isset(
        $output['pf_condition'])) && $output[
        'pf_condition']=='cold'){echo "selected
        ";} else{echo set_select('pf_condition',
        'cold'); } ?>>Cold</option>
<option value="frozen" <?php if(isset(
        $output['pf_condition'])) && $output[
        'pf_condition']=='frozen'){echo "
        selected";} else{echo set_select('
        pf_condition', 'frozen'); } ?>>Frozen</
        option>
<option value="other" <?php if(isset(
        $output['pf_condition'])) && $output[
        'pf_condition']=='other'){echo "
        selected";} else{echo set_select('
        pf_condition', 'other'); } ?>>Other</
        option>
</select>
</div>
</div>

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</div>
<div class="col-lg-3">
<div class="form-group">
<label>Temperature (&deg;C):</label>
<input type="number" name="pf.temp" min="
-10" max="50" class="form-control"
value="<?php_if(isset($output['pf.temp
']))){echo_$output['pf.temp'];} else {
echo_$set_value('pf.temp');}?>">
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Expiration Date:</label>
<input type="date" name="
pf_expiration_date" class="form-
control" value="<?php_if(isset($output
['pf_expiration_date']))){echo_$output
['pf_expiration_date'];} else {echo_
set_value('pf_expiration_date');}?>">
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label class="control-label">Sealed?</
label>
<div class="form-inline">
<div class="radio">
<label class="radio-inline_control-label">
<input type="radio" id="pf_sealed" name="
pf_sealed" value="yes" <?php_if(isset(
$output['pf_sealed'])) && $output['
pf_sealed']=='yes'){echo "checked"
;}?>>
Yes
</label>
</div>
<div class="radio">
<label class="radio-inline_control-label">
<input type="radio" id="pf_sealed" name="
pf_sealed" value="no" <?php_if(isset(
$output['pf_sealed'])) && $output['
pf_sealed']=='no'){echo "checked";}?>>
No
</label>
</div>
</div>
</div>
</div>
</div>
<br/>
<h3>Test Details</h3><br/>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Food Micro Test:</label>
<select name="microorganism" class="form-
control">
<option value="E._coli" <?php_if(isset(
$output['microorganism'])) && $output['
microorganism']=='E._coli'){echo "
selected";} else {echo set_select('
microorganism','E._coli');} ?>>E. coli
</option>
<option value="Bacillus_cereus" <?php_if(
isset($output['microorganism'])) &&
$output['microorganism']=='Bacillus_c
ereus'){echo "selected";} else {echo
set_select('microorganism','Bacillus_c
ereus');} ?>>Bacillus cereus</option>
<option value="Campylobacter" <?php_if(
isset($output['microorganism'])) &&
$output['microorganism']=='
Campylobacter'){echo "selected";} else {
echo set_select('microorganism','
Campylobacter');} ?>>Campylobacter</
option>
<option value="Staphylococcus" <?php_if(
isset($output['microorganism'])) &&
$output['microorganism']=='
Staphylococcus'){echo "selected";} else
{echo set_select('microorganism','
Staphylococcus');} ?>>Staphylococcus</
option>
<option value="Clostridium_botulinum" <?
php_if(isset($output['microorganism'])
&& $output['microorganism']=='
Clostridium_botulinum'){echo "selected
";} else {echo set_select('microorganism
','Clostridium_botulinum');} ?>>
Clostridium botulinum</option>
<option value="Clostridium_perfringens" <?
php_if(isset($output['microorganism'])
&& $output['microorganism']=='
Clostridium_perfringens'){echo "
selected";} else {echo set_select('
microorganism','Clostridium_perfringens
');} ?>>Clostridium
perfringens</option>
<option value="Listeria_monocytogenes" <?
php_if(isset($output['microorganism'])
&& $output['microorganism']=='
Listeria_monocytogenes'){echo "
selected";} else {echo set_select('
microorganism','Listeria_monocytogenes
');} ?>>Listeria monocytogenes</option
>
<option value="Salmonella" <?php_if(isset(
$output['microorganism'])) && $output['
microorganism']=='Salmonella'){echo "
selected";} else {echo set_select('
microorganism','Salmonella');} ?>>
Salmonella spp. (/25g)</option>
<option value="Yersinia_enterocolitica" <?
php_if(isset($output['microorganism'])
&& $output['microorganism']=='
Yersinia_enterocolitica'){echo "
selected";} else {echo set_select('
microorganism','Yersinia_
enterocolitica');} ?>>Yersinia
enterocolitica</option>
</select>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>No. of microorganisms:</label>
<input name="microorganismcount" class="
form-control" value="<?php_if(isset(
$output['microorganismcount']))){echo_
$output['microorganismcount'];} else {
echo_$set_value('microorganismcount')
;}?>">
<span style="color:#c09853">
<?php echo form_error('microorganismcount
'); // print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Test Date:</label>
<input type="date" name="test_date" class="
form-control" value="<?php_if(isset(
$output['test_date']))){echo_$output['
test_date'];} else {echo_$set_value('
test_date');}?>">
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Tested by:</label>
<input name="tested_by" class="form-
control" value="<?php_if(isset($output
['tested_by']))){echo_$output['
tested_by'];} else {echo_$set_value('
tested_by');}?>">
<span style="color:#c09853">
<?php echo form_error('tested_by'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<br/>
<div class="row">
<div class="col-lg-6">
<button type="submit" class="btn btn-
primary pull-right">Submit</button>
</div>
<div class="col-lg-6">
<button type="reset" class="btn btn-
primary pull-left">Reset</button>
</div>
</div>
</div>
</div>
</div>
</div>

```

form_water.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Water Sample
Collection Form</h1>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<div class="panel-panel-default">
<?php if(isset($edit)){?>
<div class="panel-heading" style="
background-color:#ffcc66;">
Edit Test Sample
</div>
<?php echo form_open('.. / editSample/'.
$output['sample_ID']); ?>
<?php }else{?>
<div class="panel-heading">
Add Test Sample
</div>
<?php echo form_open('addSample/water');?>
<?php }?>
<div class="panel-body">
<div class="row">
<div class="col-lg-10_col-lg-offset-1">
<form role="form">
<h3>Sample Details</h3><br/>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Sampling Point:</label>
<select name="sample_name" class="form-
control">
<option value="pump" <?php if(isset(
$output['sample_name']) && $output['
sample_name'] == 'pump'){echo "selected"
;} else{echo set_select('sample_name', '
pump');} ?>>Pump</option>
<option value="tank" <?php if(isset(
$output['sample_name']) && $output['
sample_name'] == 'tank'){echo "selected"
;} else{echo set_select('sample_name', '
tank');} ?>>Tank</option>
<option value="flowing_pipe" <?php if(
isset($output['sample_name']) &&
$output['sample_name'] == 'flowing_pipe'
){echo "selected";} else{echo
set_select('sample_name', 'flowing_pipe'
);} ?>>Flowing Pipe</option>
<option value="river" <?php if(isset(
$output['sample_name']) && $output['
sample_name'] == 'river'){echo "selected"
;} else{echo set_select('sample_name',
'river');} ?>>River</option>
</select>
<span style="color:#c09853">
<?php echo form_error('sample_name'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Source of Water Supply:</label>
<select name="w_source" class="form-
control">
<option value="deep_well" <?php if(isset(
$output['w_source']) && $output['
w_source'] == 'deep_well'){echo "
selected";} else{echo set_select('
w_source', 'deep_well');} ?>>Deep well
</option>
<option value="shallow_well" <?php if(
isset($output['w_source']) && $output[
'w_source'] == 'shallow_well'){echo "
selected";} else{echo set_select('
w_source', 'shallow_well');} ?>>Shallow
well</option>
<option value="MWSI" <?php if(isset(
$output['w_source']) && $output['
w_source'] == 'MWSI'){echo "selected";}
else{echo set_select('w_source', 'MWSI'
);} ?>>MWSI</option>
<option value="MWCI" <?php if(isset(
$output['w_source']) && $output['
w_source'] == 'MWCI'){echo "selected";}
else{echo set_select('w_source', 'MWCI'
);} ?>>MWCI</option>
<option value="local_waterworks" <?php if(
isset($output['w_source']) && $output[
'w_source'] == 'local_waterworks'){echo
"selected";} else{echo set_select('
w_source', 'local_waterworks');} ?>>
Local Waterworks</option>
<option value="river" <?php if(isset(
$output['w_source']) && $output['
w_source'] == 'river'){echo "selected";}
else{echo set_select('w_source', 'river
');} ?>>River</option>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>No. of samples:</label>
<input type="number" name="samplecount"
min="1" max="50" class="form-control"
value="<?php if (isset($output['
sample_count'])){echo $output['
sample_count'];} else {echo set_value(
'samplecount');} ?>">
<span style="color:#c09853">
<?php echo form_error('samplecount'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Collected by:</label>
<input name="collected_by" class="form-
control" value="<?php if (isset($output
['collected_by'])){echo $output['
collected_by'];} else {echo set_value(
'collected_by');} ?>">
<span style="color:#c09853">
<?php echo form_error('collected_by'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Collection Date:</label>
<input type="date" name="collection_date"
class="form-control" value="<?php if (
isset($output['collection_date']){
echo $output['collection_date'];} else {
echo set_value('collection_date');} ?>">
<span style="color:#c09853">
<?php echo form_error('collection_date');
// print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<div class="form-group">
<label>Type of Ownership:</label>
<select name="w_ownership" class="form-
control">
<option value="private" <?php echo
set_select('w_ownership', 'private')
?>>Private</option>
<option value="public" <?php echo
set_select('w_ownership', 'public') ?>>
Public</option>
<option value="commercial" <?php echo
set_select('w_ownership', 'commercial')
?>>Commercial</option>

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</select>
<span style="color:#c09853">
<?php echo form_error('w_ownership'); //
    print error prompt if input was
    invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label class="control-label">Water Treated
    ?</label>
<div class="form-inline">
<div class="radio">
<label class="radio-inline control-label">
<input type="radio" id="w_treated" name="
    w_treated" value="yes">
Yes
</label>
</div>
<div class="radio">
<label class="radio-inline control-label">
<input type="radio" id="w_treated" name="
    w_treated" value="no">
No
</label>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<label>Sampling Point Address:</label>
<div class="row">
<div class="col-lg-6">
<div class="form-group" id="region">
<label for="disabledSelect">Region</label>
<select name="addr_region" class="form-
    control">
<option value="13" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '13'){echo "
    selected";} else {echo set_select('
    addr_region', '13'); } ?>>NCR</option>
<option value="14" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '14'){echo "
    selected";} else {echo set_select('
    addr_region', '14'); } ?>>CAR</option>
<option value="1" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '1'){echo "
    selected";} else {echo set_select('
    addr_region', '1'); } ?>>I - Ilocos
    Region</option>
<option value="2" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '2'){echo "
    selected";} else {echo set_select('
    addr_region', '2'); } ?>>II - Cagayan
    Valley</option>
<option value="3" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '3'){echo "
    selected";} else {echo set_select('
    addr_region', '3'); } ?>>III - Central
    Luzon</option>
<option value="4" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '4'){echo "
    selected";} else {echo set_select('
    addr_region', '4'); } ?>>IVA -
    CALABARZON</option>
<option value="17" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '17'){echo "
    selected";} else {echo set_select('
    addr_region', '17'); } ?>>IVB - MIMAROPA
    </option>
<option value="5" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '5'){echo "
    selected";} else {echo set_select('
    addr_region', '5'); } ?>>V - Bicol
    Region</option>
<option value="6" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '6'){echo "
    selected";} else {echo set_select('
    addr_region', '6'); } ?>>VI - Western
    Visayas</option>
<option value="7" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '7'){echo "
    selected";} else {echo set_select('
    addr_region', '7'); } ?>>VII - Central
    Visayas</option>
<option value="8" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '8'){echo "
    selected";} else {echo set_select('
    addr_region', '8'); } ?>>VIII - Eastern
    Visayas</option>
<option value="9" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '9'){echo "
    selected";} else {echo set_select('
    addr_region', '9'); } ?>>IX - Zamboanga
    Peninsula</option>
<option value="10" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '10'){echo "
    selected";} else {echo set_select('
    addr_region', '10'); } ?>>X - Northern
    Mindanao</option>
<option value="11" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '11'){echo "
    selected";} else {echo set_select('
    addr_region', '11'); } ?>>XI - Davao
    Region</option>
<option value="12" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '12'){echo "
    selected";} else {echo set_select('
    addr_region', '12'); } ?>>XII -
    SOCCKSARGEN</option>
<option value="16" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '16'){echo "
    selected";} else {echo set_select('
    addr_region', '16'); } ?>>XIII - CARAGA
    </option>
<option value="15" <?php if(isset($output[
    'stringaddr_region'])) && $output['
    stringaddr_region']== '15'){echo "
    selected";} else {echo set_select('
    addr_region', '15'); } ?>>ARMM</option>
</select>
<span style="color:#c09853">
<?php echo form_error('addr_region'); //
    print error prompt if input was
    invalid?>
</span>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Province</
    label>
<input name="addr_province" class="form-
    control" value="<?php-if(isset($output[
    'stringaddr_province'])) {echo.$output[
    'stringaddr_province']; } else {echo_
    set_value('addr_province'); } ?>>">
<span style="color:#c09853">
<?php echo form_error('addr_province'); //
    print error prompt if input was
    invalid?>
</span>
</div>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">City/
    Municipality</label>
<input name="addr_citymuni" class="form-
    control" value="<?php-if(isset($output[
    'stringaddr_citymuni'])) {echo.$output[
    'stringaddr_citymuni']; } else {echo_
    set_value('addr_citymuni'); } ?>>">
<span style="color:#c09853">
<?php echo form_error('addr_citymuni'); //
    print error prompt if input was
    invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Barangay</
    label>
<input name="addr_barangay" class="form-
    control" value="<?php-if(isset($output[
    'stringaddr_barangay'])) {echo.$output[
    'stringaddr_barangay']; } else {echo_
    set_value('addr_barangay'); } ?>>">
<span style="color:#c09853">
<?php echo form_error('addr_barangay'); //
    print error prompt if input was
    invalid?>
</span>
</div>
</div>
</div>
</div>
<br/>

```

```

<h3>Test Details</h3><br/>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Micro Test:</label>
<select name="microorganism" class="form-
control">
<option value="E._coli" <?php if (isset (
$output ['microorganism']) && $output ['
microorganism'] == 'E._coli') {echo "
selected";} else {echo set_select ('
microorganism', 'E._coli');} ?>>E. coli
</option>
<option value="Bacillus_cereus" <?php if (
isset ($output ['microorganism']) &&
$output ['microorganism'] == 'Bacillus _
cereus') {echo "selected";} else {echo
set_select ('microorganism', 'Bacillus _
cereus');} ?>>Bacillus cereus</option>
<option value="Campylobacter" <?php if (
isset ($output ['microorganism']) &&
$output ['microorganism'] == '
Campylobacter') {echo "selected";} else {
echo set_select ('microorganism', '
Campylobacter');} ?>>Campylobacter</
option>
<option value="Staphylococcus" <?php if (
isset ($output ['microorganism']) &&
$output ['microorganism'] == '
Staphylococcus') {echo "selected";} else {
echo set_select ('microorganism', '
Staphylococcus');} ?>>Staphylococcus</
option>
<option value="Clostridium_botulinum" <?
php if (isset ($output ['microorganism'])
&& $output ['microorganism'] == '
Clostridium_botulinum') {echo "selected
";} else {echo set_select ('microorganism
', 'Clostridium_botulinum');} ?>>
Clostridium botulinum</option>
<option value="Clostridium_perfringens" <?
php if (isset ($output ['microorganism'])
&& $output ['microorganism'] == '
Clostridium_perfringens') {echo "
selected";} else {echo set_select ('
microorganism', 'Clostridium _
perfringens');} ?>>Clostridium
perfringens</option>
<option value="Listeria_monocytogenes" <?
php if (isset ($output ['microorganism'])
&& $output ['microorganism'] == '
Listeria_monocytogenes') {echo "
selected";} else {echo set_select ('
microorganism', 'Listeria_monocytogenes
');} ?>>Listeria monocytogenes</option
>
<option value="Salmonella" <?php if (isset (
$output ['microorganism']) && $output ['
microorganism'] == 'Salmonella') {echo "
selected";} else {echo set_select ('
microorganism', 'Salmonella');} ?>>
Salmonella spp. (/25g)</option>
<option value="Yersinia_enterocolitica" <?
php if (isset ($output ['microorganism'])
&& $output ['microorganism'] == '
Yersinia_enterocolitica') {echo "
selected";} else {echo set_select ('
microorganism', 'Yersinia
enterocolitica');} ?>>Yersinia
enterocolitica</option>
</select>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>No. of microorganisms:</label>
<input name="microorganismcount" class="
form-control" value="" <?php if (isset (
$output ['microorganism_count']) {echo _
$output ['microorganism_count'];} else {
echo set_value ('microorganismcount '
);} ?>>
<span style="color:#c09853">
<?php echo form_error ('microorganismcount '
); // print error prompt if input was
invalid?>
</span>
</div>
</div>
<div class="col-lg-3">
<div class="form-group">
<label>Test Date:</label>
<input type="date" name="test_date" class="
form-control" value="" <?php if (isset (
$output ['test_date']) {echo _$output ['
test_date'];} else {echo set_value ('
test_date');} ?>>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Tested by:</label>
<input name="tested_by" class="form-
control" value="" <?php if (isset ($output
['tested_by']) {echo _$output ['
tested_by'];} else {echo set_value ('
tested_by');} ?>>
<span style="color:#c09853">
<?php echo form_error ('tested_by'); //
print error prompt if input was
invalid?>
</span>
</div>
</div>
</div>
<br/>
<div class="row">
<div class="col-lg-6">
<button type="submit" class="btn btn-
primary pull-right">Submit</button>
</div>
<div class="col-lg-6">
<button type="reset" class="btn btn-
primary pull-left">Reset</button>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>

```

forum_page.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Forum
<?php if ($role == 'bhw' || $role == 'mchw' ||
$role == 'phw' || $role == 'fda' || $role ==
'bai' || $role == 'nmis' || $role == 'bfar' ||
$role == 'bpi' || $role == 'nda' || $role ==
'nrl') { ?>
<a href="/ifgis/forum/addThread" class="
btn btn-md btn-primary pull-right"
role="button">Post New Thread</a>
<?php ?>
</h1>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<div class="panel-body">
<div class="dataTable_wrapper">
<table id="myTable" class="table table-
hover" id="dataTables-example">
<thead>
<tr>
<th>Thread #</th>
<th>Topic</th>
<th>Category</th>
<th>Author</th>
<th>Date & Time <br/><i style="font-weight
:normal"><small>added to system</
small></i></th>
</tr>
</thead>
<tbody>
<?php foreach ($output as $key => $value):
?>
<tr>
<td><?php echo $value ['thread_ID']; ?></td
>
<td><a href="/ifgis/forum/view/<?php echo _
$value ['thread_ID'] ?>><?php echo

```

<pre> \$value['topic']; ?></td> </tr> </tbody> </table> </pre>	<pre> </tbody> </table> </div> </div> </div> </div> </div> </pre>
---	---

header.php

```

<!DOCTYPE HTML>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width,initial-scale=1">
<title><?php echo $title?> - IFGIS</title>
<link href="<?php echo $url($assets/css/dashboard.css); -?>" rel="stylesheet">
<link href="<?php echo $url($assets/css/sb-admin-2.css); _?>" rel="stylesheet">
<link href="<?php echo $url($assets/css/business-frontpage.css); _?>" rel="stylesheet">
<link rel="stylesheet" type="text/css" href="https://cdn.datatables.net/t/bs-3.3.6/jqc-1.12.0,dt-1.10.11,b-1.1.2,b-colvis-1.1.2,cr-1.3.1,fc-3.2.1,fh-3.1.1,kt-2.1.1,r-2.0.2,rr-1.1.1,sc-1.4.1,se-1.1.2/datatables.css"/>
</head>
<body>
<nav class="navbar navbar-inverse navbar-fixed-top">
<div class="container-fluid">
<div id="navbar" class="navbar-collapse collapse">
<ul class="nav navbar-nav navbar-center">
<li <?php if(isset($home)){ ?> class="active"><?php }?><a class="navbar-brand navbar-left" href="/ifgis/home">IFGIS <span class="glyphicon glyphicon-home"></span></a></li>
<li <?php if(isset($mapactive)){ ?> class="active"><?php }?><a href="/ifgis/map"><span class="glyphicon glyphicon-map-marker"></span>&nbsp;&nbsp;&nbsp;Map</a></li>
<li <?php if(isset($records)){ ?> class="active"><?php }?><a class="dropdown"><a class="dropdown-toggle" data-toggle="dropdown" href="#"><span class="glyphicon glyphicon-book"></span>&nbsp;&nbsp;&nbsp;Records<span class="caret"></span></a>
<ul class="dropdown-menu">
<li><a href="/ifgis/patients">Human Cases</a></li>
<li><a href="/ifgis/samples/processedfood">Processed Food Samples</a></li>
<li><a href="/ifgis/samples/animal">Animal Samples</a></li>
<li><a href="/ifgis/samples/meat">Meat Samples</a></li>
<li><a href="/ifgis/samples/fish">Seafood Samples</a></li>
<li><a href="/ifgis/samples/plant">Fruit and Vegetable Samples</a></li>
<li><a href="/ifgis/samples/dairy">Dairy

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    Samples</a></li>
<li><a href="/ifgis/samples/water">Water Samples</a></li>
</ul>
</li>
<li <?php if(isset($reports)){ ?> class="active"><?php }?><a href="/ifgis/reports/human"><span class="glyphicon glyphicon-stats"></span>&nbsp;&nbsp;&nbsp;Reports</a></li>
<li <?php if(isset($forum)){ ?> class="active"><?php }?><a href="/ifgis/forum"><span class="glyphicon glyphicon-comment"></span>&nbsp;&nbsp;&nbsp;Forum</a></li>
<li <?php if(isset($complaints)){ ?> class="active"><?php }?><a href="/ifgis/complaints"><span class="glyphicon glyphicon-list"></span>&nbsp;&nbsp;&nbsp;Public Assistance</a></li>
<li <?php if(isset($help)){ ?> class="active"><?php }?><a href="help"><span class="glyphicon glyphicon-question-sign"></span>&nbsp;&nbsp;&nbsp;Info</a></li>
</ul>
<ul class="nav navbar-nav navbar-right">
<li>
<?php if(!$this->session->userdata('user_id')){?>
<a class="dropdown-toggle pull-right" href="/ifgis/login">You are not logged in. (Login) </a>
<?php }else{ ?>
<a class="dropdown-toggle pull-right" data-toggle="dropdown" href="#">
<span class="glyphicon glyphicon-user"></span> <?php echo $this->session->userdata('username'); ?><span class="caret"></span></a>
<?php } ?>
<ul class="dropdown-menu">
<li><a href="/ifgis/userCredentials"><span class="glyphicon glyphicon-wrench"></span>&nbsp;&nbsp;&nbsp;Settings</a></li>
<li><a href="/ifgis/logout"><span class="glyphicon glyphicon-log-out"></span>&nbsp;&nbsp;&nbsp;Logout</a></li>
</ul>
</li>
<li>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</li>
</ul>
</div>
</div>
</nav>
<script type="text/javascript" src="https://cdn.datatables.net/t/bs-3.3.6/jqc-1.12.0,dt-1.10.11,b-1.1.2,b-colvis-1.1.2,cr-1.3.1,fc-3.2.1,fh-3.1.1,kt-2.1.1,r-2.0.2,rr-1.1.1,sc-1.4.1,se-1.1.2/datatables.js"></script>

```

home.page.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-sm-8">
<h2>What is IFGIS?</h2>
<p>IFGIS is a web-based GIS on microbial agents of food and waterborne diseases from human cases and from various food sources namely: processed food samples, animal samples, meat samples, seafood samples, dairy samples, fruit

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    and vegetable samples, and water samples.</p>
<p>
<a class="btn btn-default btn-lg" href="map">See map &raquo;</a>
<a class="btn btn-default btn-lg" href="#">More about IFGIS &raquo;</a>
</p>
</div>
<div class="col-sm-4">

```



```

<h2>Contact Us</h2>
<address>
<abbr title="Email">E-mail:</abbr> <a href
="mailto:#">info@ifgis.com</a>
</address>
</div>
</div>
<hr>
<div class="row">
<div class="col-sm-4">
"
alt="">
<h2>Human Cases</h2>
<p>These marketing boxes are a great place
to put some information. These can
contain summaries of what the company
does, promotional information, or
anything else that is relevant to the
company. These will usually be below-
the-fold.</p>
</div>
<div class="col-sm-4">
"
alt="">
<h2>Animal</h2>
<p>The images are set to be circular and
responsive. Fusce dapibus, tellus ac
cursus commodo, tortor mauris
condimentum nibh, ut fermentum massa
justo sit amet risus. Etiam porta sem
malesuada magna mollis euismod. Donec
sed odio dui.</p>
</div>
<div class="col-sm-4">
" alt=""
</div>
<h2>Food</h2>
<p>Donec id elit non mi porta gravida at
eget metus. Fusce dapibus, tellus ac
cursus commodo, tortor mauris
condimentum nibh, ut fermentum massa
justo sit amet risus. Etiam porta sem
malesuada magna mollis euismod. Donec
sed odio dui.</p>
</div>
</div>
<hr>
<footer>
<div class="row">
<div class="col-lg-12">
<p>Copyright &copy; IFGIS 2016</p>
</div>
</div>
</footer>
</div>
</div>

```

login_page.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<?php if (isset($success)) { ?>
<div class="col-lg-6_col-lg-offset-3"
style="margin-top: 50px;">
<p class="alert alert-success" role="alert"
style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></span>
Your account request has been sent to your
supervisor for approval.
</p>
</div>
<?php } else { ?>
<?php ?>
</div>
<div class="row">
<div class="col-lg-5">
<div class="row">
<div class="col-lg-8_col-lg-offset-1">
<div class="login-panel_panel_panel-
default">
<div class="panel-heading">
<h3 class="panel-title">Please Sign In</h3>
</div>
<div class="panel-body">
<?php echo form_open('login'); ?>
<form role="form">
<fieldset>
<div class="form-group">
<input class="form-control" placeholder="
Username" name="username" type="text"
autofocus>
</div>
<div class="form-group">
<input class="form-control" placeholder="
Password" name="password" type="
password" value="">
</div>
<div class="checkbox">
<label>
<input name="remember" type="checkbox">
Remember Me
</label>
</div>
<div>
<button type="submit" class="btn btn-lg _
btn-info_btn-block">Login</button>
</fieldset>
</form>
</div>
</div>
<?php if (isset($login_problem) &&
$login_problem=="invalid"){?>
<p class="alert alert-danger" role="alert"
style="visibility: visible;">
<span class="glyphicon glyphicon-
exclamation-sign"></span>
Username or password is invalid.
</p>
<?php }else if (isset($login_problem) &&
$login_problem=="locked"){ ?>
<p class="alert alert-warning" role="alert"
style="visibility: visible;">
<span class="glyphicon glyphicon-
exclamation-sign"></span>
Your account is locked.
</p>
<?php ?>
</div>
</div>
<div class="col-lg-7">
<div class="row" style="margin-top: 50px; _
margin-right: 10px;">
<h2>Request for an account</h2><br/>
<h4>To create an account for IFGIS:</h4><br/>
<ol>
<li>Click the 'Create an Account' below.<br/></li>
<li>Input the complete and real details
being asked for. Input the details of
your supervisor.<br/></li>
<li>A notification in IFGIS will be sent
to your supervisor for approval of
your account request.<br/></li>
<li>Use your username and password to log
in to the system.<br/></li>
</ol><br/>
</div>
<div class="row">
<div class="col-lg-3_col-lg-offset-3">
<a class="btn btn-default btn-lg" href="
register">Create an Account</a>
</div>
</div>
</div>
</div>
<hr>
<footer>
<div class="row">
<div class="col-lg-12">
<p>Copyright &copy; IFGIS 2016</p>
</div>
</div>
</footer>
</div>

```

map_page.php

```

<?php echo $map['js']; ?>
<div style="visibility: visible;" class="
  container-fluid">
<div class="row">
</div>
</div>
</div>
</div>
</div>

```

meat_view.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Meat Samples
<?php if($role=='nmis') { ?>
<a href="/ifgis/addSample/meat" class="btn
  _btn-md _btn-primary _pull-right" role="
  button"><i class="glyphicon glyphicon-
  plus"></i>Add Sample</a>
<?php }?>
</h1>
</div>
</div>
<?php if($role=='nmis' || $role=='nec') { ?>
<div class="row">
<?php if (isset($success)) { ?>
<div class="col-lg-6 _col-lg-offset-3">
<p class="alert _alert-success" role="alert"
  style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></
  span>
<?php if($role!='nec'){?>
Sample data has been sent to your
supervisor for approval.
<?php }else{?>
Sample data has been published to IFGIS.
<?php } ?>
</p>
</div>
<?php }?>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a active class="btn _btn-default _btn-lg _
  active" href="/ifgis/samples/meat">
  IFGIS Records &raquo;</a>
<a class="btn _btn-default _btn-lg" href="/
  ifgis/mySamplesReview/meat">My Records
  &raquo;</a>
</p>
<div class="panel _panel-default">
<div class="panel-heading">&nbsp;</div>
<div class="panel-body">
<div class="dataTable_wrapper">
<table id="myTable" class="table _table-
  striped _table-bordered _table-hover" id
  ="dataTables-example">
<thead>
<tr>
<th>Sample ID</th>
<th>Sample Name</th>
<th>Sample Type</th>
<th>Manufacturer Name</th>
<th>Test Date</th>
<th>Collected at <i><small>(Address)</
  small></i></th>
<th>Microorganism</th>
</tr>
</thead>
<tbody>
<?php foreach ($output as $i => $value) {
  ?>
<tr id="<?php echo $value['sample-ID']; _?>
  ">
<td><a data-toggle="modal" href="#myModal
  <?php echo $i;?>"><?php echo $value['
  sample-ID']; ?></a></td>
<td><a data-toggle="modal" href="#myModal
  <?php echo $i;?>"><?php echo $value['
  sample.name']; ?></a>
<div class="modal _modal-fade" id="myModal<?php _
  echo $i;?>" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-
  dismiss="modal">&times;</button>
<h4 class="modal-title">#<?php echo $value
  ['sample-ID'];?> - <?php echo $value['
  sample.name']; ?></h4>
</div>
<div class="modal-body">
<small>
<p>
<div class="row">
<div class="col-lg-3">
<label>Item:</label>
</div>
<div id="map">
<?php echo $map['html']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-9">
<?php echo $value['sample.name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>No. of Samples:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_count']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Meat Sample Type:</label>
</div>
<div class="col-lg-9">
<?php echo $value['m-type']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Weight:</label>
</div>
<div class="col-lg-9">
<?php echo $value['m-weight']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Date of Slaughter:</label>
</div>
<div class="col-lg-9">
<?php echo $value['m.slaughter_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected by:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collected_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collection Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collection_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected at:</label>
</div>
<div class="col-lg-9">
<?php echo $value['complete_address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer.name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Address:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer.address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Test Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['test.date']; ?>
</div>
</div>
</div>
</div>
</div>
</div>

```

```
</div>
<div class="row">
<div class="col-lg-3">
<label>Tested By:</label>
</div>
<div class="col-lg-9">
<?php echo $value['tested-by']; ?>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism']; ?>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism Count:</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism.count'];
?>
</div>
</div>
</p>
</small>
</div>
<div class="modal-footer alert alert-info">
<span class="pull-left">
By: <?php echo $value['originalOwner']
];?></span>
<button type="button" class="btn btn-
default" data-dismiss="modal">Close</
button>
</div>
</div>
```

```
</div>
</div>
</div>
</td>
<td><?php echo $value['m-type']; ?></td>
<td><?php echo $value['manufacturer.name']
]; ?></td>
<td><?php echo $value['test_date']; ?></td>
<td><?php echo $value['complete_address'];
?></td>
<td><?php echo $value['microorganism'];
?></td>
</tr>
<?php ?>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<?php }else{ ?>
<div class="row">
<div class="col-lg-12">
<div class="panel panel-default">
<div class="panel-heading">
You're not authorized to view this.
</div>
</div>
</div>
</div>
</div>
<?php _->
</div>
</div>
</div>
</div>
```

myanimal.php

```
<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Animal Samples
<?php if($role=='bai') { ?>
<a href="/ifgis/addSample/animal" class="
btn btn-md btn-primary pull-right"
role="button"><i class="glyphicon
glyphicon-plus"></i>Add Sample</a>
<?php ?>
</h1>
</div>
</div>
<?php if($role=='bai' || $role=='nec') { ?>
<div class="row">
<?php if (isset($successedit)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-success" role="alert"
style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></
span>
Test data was successfully edited!
</p>
</div>
<?php }elseif (isset($successvoid)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-warning" role="alert"
style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></
span>
Test data was sent back to its previous
owner for review
</p>
</div>
<?php ?>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a active class="btn btn-default btn-lg"
href="/ifgis/samples/animal">IFGIS
Records &raquo;</a>
<a class="btn btn-default btn-lg active"
href="/ifgis/mySamplesReview/animal">
My Records &raquo;</a>
</p>
<p>
<a class="btn btn-default btn-sm active"
href="/ifgis/mySamplesReview/animal">
For Review</a>
<?php if($role!='nec'){?><a class="btn btn-
default btn-sm" href="/ifgis /
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mySamplesApproved/animal">Sent for
approval</a><?php } ?>
</p>
<div class="panel panel-default">
<div class="panel-heading">&nbsp;</div>
<div class="panel-body">
<div class="dataTable-wrapper">
<table id="myTable" class="table table-
striped table-bordered table-hover" id
="dataTables-example">
<thead>
<tr>
<th>Sample ID</th>
<th>Species</th>
<th>Sample Type</th>
<th>Sex</th>
<th>Age</th>
<th>Status</th>
<th>Test Date</th>
<th>Collected at <i><small>(Address)</
small</i></th>
<th>Microorganism</th>
</tr>
</thead>
<tbody>
<?php foreach ($output as $i => $value) {
?>
<tr id="<?php echo $value['sample.ID']; _?>
">
<td><a data-toggle="modal" href="#myModal
<?php echo $i;?>"><?php echo $value['
sample.ID']; ?></a></td>
<td><a data-toggle="modal" href="#myModal
<?php echo $i;?>"><?php echo $value['
sample.name']; ?></a>
<div class="modal fade" id="myModal<?php
echo $i;?>" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-
dismiss="modal">&times;</button>
<h4 class="modal-title">Sample #<?php echo
$value['sample.ID']; ?> - <?php echo
$value['sample.name']; ?></h4>
</div>
<div class="modal-body">
<small>
<div class="row">
<div class="col-lg-4 col-lg-offset-9">
<?php if($value['originalOwner']!=
$username) {?>
<a class="btn btn-danger btn-sm" href="
```

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        voidSample/<?php_echo_.$value[ '
        sample.ID '];?>">Return to sender&nbsp;
        ;&nbsp;<span class=" glyphicon_
        glyphicon-chevron-left"></span></a>
<?php } else { ?>
<a class=" btn_btn-warning_btn-sm" href="
editSample/<?php_echo_.$value[ '
sample.ID '];?>">Edit&nbsp;&nbsp;<span
class=" glyphicon_ glyphicon-pencil"></
span></a>
<a class=" btn_btn-danger_btn-sm" href="
voidSample/<?php_echo_.$value[ '
sample.ID '];?>">Void&nbsp;&nbsp;<span
class=" glyphicon_ glyphicon-trash"></
span></a>
<?php } ?>
</div>
</div>
<p>
<div class=" row">
<div class=" col-lg-3">
<label>Species:</label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'sample_name' ]; ?>
</div>
</div>
<div class=" row">
<div class=" col-lg-3">
<label>No. of Samples:</label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'sample_count' ]; ?>
</div>
</div>
<div class=" row">
<div class=" col-lg-3">
<label>Animal Sample Type:</label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'a_sampletype' ]; ?>
</div>
</div>
<div class=" row">
<div class=" col-lg-3">
<label>Sex:</label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'a_sex' ]; ?>
</div>
</div>
<div class=" row">
<div class=" col-lg-3">
<label>Age:</label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'a_age' ]; ?>
</div>
</div>
<div class=" row">
<div class=" col-lg-3">
<label>Breed:</label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'a_breed' ]; ?>
</div>
</div>
<div class=" row">
<div class=" col-lg-3">
<label>Status:</label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'a_status' ]; ?>
</div>
</div>
<div class=" row">
<div class=" col-lg-3">
<label>Collected by:</label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'collected_by' ]; ?>
</div>
</div>
<div class=" row">
<div class=" col-lg-3">
<label>Collection Date:</label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'collection_date' ]; ?>
</div>
</div>
<div class=" row">
<div class=" col-lg-3">
<label>Farm Address<i><small>(Collected at
)</small></i></label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'complete_address' ]; ?>
</div>
</div>
</div class=" row">
<div class=" col-lg-3">
<label>Farm Name:</label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'manufacturer_name' ]; ?>
</div>
</div>
<div class=" row">
<div class=" col-lg-3">
<label>Test Date:</label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'test_date' ]; ?>
</div>
</div>
<div class=" row">
<div class=" col-lg-3">
<label>Tested By:</label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'tested_by' ]; ?>
</div>
</div>
<div class=" row">
<div class=" col-lg-3">
<label>Microorganism</label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'microorganism' ]; ?>
</div>
</div>
<div class=" row">
<div class=" col-lg-3">
<label>Microorganism Count:</label>
</div>
<div class=" col-lg-9">
<?php echo $value[ 'microorganism_count' ];
?>
</div>
</div>
</p>
</small>
</div>
<div class=" modal-footer_alert_alert-info"
>
<span class=" pull-left">
By: <?php echo $value[ 'originalOwner'
];?></span>
<button type="button" class=" btn_btn-
default" data-dismiss="modal">Close</
button>
</div>
</div>
</div>
</div>
</td><?php echo $value[ 'a_sampletype' ];
?></td>
<td><?php echo $value[ 'a_sex' ]; ?></td>
<td><?php echo $value[ 'a_age' ]; ?></td>
<td><?php echo $value[ 'a_status' ]; ?></td>
<td><?php echo $value[ 'test_date' ]; ?></td>
<td><?php echo $value[ 'complete_address' ];
?></td>
<td><?php echo $value[ 'microorganism' ];
?></td>
</tr>
<?php ?>
</tbody>
</table>
<a data-toggle="modal" href="#confirmModal"
id="button" class=" btn_btn-primary_
btn-md_pull-left" style="margin-bottom
: 30px;">
Send <span class=" glyphicon_ glyphicon-
circle-arrow-right"></span>
</a><br/>
<div class=" modal_fade" id="confirmModal"
role="dialog">
<div class=" modal-dialog">
<div class=" modal-content">
<?php echo form_open( './ approveSample/
animal' ); ?>
<form role="form">
<div class=" modal-header">
<button type="button" class=" close" data-
dismiss="modal">&times;</button>
<h4 class=" modal-title">Confirm:</h4>
</div>
<div class=" modal-body" id="writehere">
</div>
<div class=" modal-footer">
<button type="submit" class=" btn_btn-
primary" id="confirmButton">Confirm</
button>
<button type="button" class=" btn_btn-
primary" data-dismiss="modal">Cancel</
button>
</div>
</form>

```

```

</div>
</div>
</div>
</div>
</div>
</div>
</div>
<?php }else{ ?>
<div class="row">
<div class="col-lg-12">
<div class="panel_panel-default">

```

```

<div class="panel_heading">
You're not authorized to view this .
</div>
</div>
</div>
</div>
<?php- }_?>
</div>
</div>
</div>

```

mydairy.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Dairy Products
<?php if($role=='nda') { ?>
<a href="/ifgis/addSample/dairy" class="
btn btn-md btn-primary pull-right"
role="button"><i class="glyphicon
glyphicon-plus"></i>Add Sample</a>
<?php }?>
</h1>
</div>
</div>
<?php if($role=='nda' || $role=='nec') { ?>
<div class="row">
<?php if (isset($successedit)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-success" role="alert"
style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></span>
Test data was successfully edited!
</p>
</div>
<?php }elseif (isset($successvoid)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-warning" role="alert"
style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></span>
Test data was sent back to its previous
owner for review
</p>
</div>
<?php }?>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a active class="btn btn-default btn-lg"
href="/ifgis/samples/dairy">IFGIS
Records &raquo;</a>
<a class="btn btn-default btn-lg active"
href="/ifgis/mySamplesReview/dairy">My
Records &raquo;</a>
</p>
<p>
<a class="btn btn-default btn-sm active"
href="/ifgis/mySamplesReview/dairy">
For Review</a>
<?php if($role!='nec') ?><a class="btn btn
default btn-sm" href="/ifgis /
mySamplesApproved/dairy">Sent for
approval</a><?php } ?>
</p>
<div class="panel_panel-default">
<div class="panel_heading">&nbsp;&nbsp;</div>
<div class="panel-body">
<div class="dataTable_wrapper">
<table id="myTable" class="table table
striped table-bordered table-hover" id
="dataTables-example">
<thead>
<tr>
<th>Sample ID</th>
<th>Sample Name</th>
<th>Brand Name</th>
<th>Manufacturer Name</th>
<th>Test Date</th>
<th>Collected at <i><small>(Address)</small></i></th>
<th>Microorganism</th>
</tr>
</thead>
<tbody>
<?php foreach ($output as $i => $value) {
?>
<tr id="<?php echo -$value['sample-ID'];_?>
">

```

```

<td><a data-toggle="modal" href="#myModal"
?php echo -$i;?>><?php echo $value['
sample-ID']; ?></a></td>
<td><a data-toggle="modal" href="#myModal"
?php echo -$i;?>><?php echo $value['
sample_name']; ?></a>
<div class="modal_fade" id="myModal<?php_
echo -$i;?>" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-
dismiss="modal">&times;</button>
<h4 class="modal-title">##<?php echo $value
['sample-ID'];?> - <?php echo $value['
sample_name']; ?></h4>
</div>
<div class="modal-body">
<small>
<div class="row">
<div class="col-lg-4 col-lg-offset-9">
<?php if ($value['originalOwner']!=
$username) {?>
<a class="btn btn-danger btn-sm" href="
voidSample/<?php echo -$value['
sample-ID'];?>>Return to sender&nbsp;
&nbsp;<span class="glyphicon
glyphicon-chevron-left"></span></a>
<?php } else { ?>
<a class="btn btn-warning btn-sm" href="
editSample/<?php echo -$value['
sample-ID'];?>>Edit&nbsp;&nbsp;<span
class="glyphicon glyphicon-pencil"></span></a>
<a class="btn btn-danger btn-sm" href="
voidSample/<?php echo -$value['
sample-ID'];?>>Void&nbsp;&nbsp;<span
class="glyphicon glyphicon-trash"></span></a>
<?php } ?>
</div>
</div>
<p>
<div class="row">
<div class="col-lg-3">
<label>Item:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Brand Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value['brandname']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>No. of Samples:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_count']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected by:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collected_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collection Date:</label>

```



```

</div>
<div class="row">
<div class="col-lg-12">
<p>
<a active class="btn btn-default btn-lg"
href="/ifgis/samples/fish">IFGIS
Records &raquo;</a>
<a class="btn btn-default btn-lg active"
href="/ifgis/mySamplesReview/fish">My
Records &raquo;</a>
</p>
<p>
<a class="btn btn-default btn-sm active"
href="/ifgis/mySamplesReview/fish">For
Review</a>
<?php if($role!='nec'){?><a class="btn btn
-default btn-sm" href="/ifgis/
mySamplesApproved/fish">Sent for
approval</a><?php } ?>
</p>
<div class="panel panel-default">
<div class="panel-heading">&nbsp;</div>
<div class="panel-body">
<div class="dataTable_wrapper">
<table id="myTable" class="table table-
striped table-bordered table-hover" id
="dataTables-example">
<thead>
<tr>
<th>Sample ID</th>
<th>Sample Name</th>
<th>Source</th>
<th>Condition</th>
<th>Sampling Point Type</th>
<th>Test Date</th>
<th>Collected at <i><small>(Address)</
small></i></th>
<th>Microorganism</th>
</tr>
</thead>
<tbody>
<?php foreach ($output as $i => $value) {
?>
<tr id="<?php echo $value['sample_ID']; -?>
">
<td><a data-toggle="modal" href="#myModal
<?php echo $i;?>"><?php echo $value['
sample_ID']; ?></a></td>
<td><a data-toggle="modal" href="#myModal
<?php echo $i;?>"><?php echo $value['
sample_name']; ?></a>
<div class="modal fade" id="myModal<?php
echo $i;?>" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-
dismiss="modal">&times;</button>
<h4 class="modal-title">#<?php echo $value
['sample_ID'];?> - <?php echo $value['
sample_name']; ?></h4>
</div>
<div class="modal-body">
<small>
<div class="row">
<div class="col-lg-4 col-lg-offset-9">
<?php if($value['originalOwner']!=
$username) {?>
<a class="btn btn-danger btn-sm" href="
voidSample/<?php echo $value['
sample_ID'];?>">Return to sender&nbsp;&nbsp;&nbsp;
&nbsp;&nbsp;<span class="glyphicon
glyphicon-chevron-left"></span></a>
<?php } else { ?>
<a class="btn btn-warning btn-sm" href="
editSample/<?php echo $value['
sample_ID'];?>">Edit&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<span
class="glyphicon glyphicon-pencil"></
span></a>
<a class="btn btn-danger btn-sm" href="
voidSample/<?php echo $value['
sample_ID'];?>">Void&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<span
class="glyphicon glyphicon-trash"></
span></a>
<?php } ?>
</div>
</div>
<p>
<div class="row">
<div class="col-lg-3">
<label>Item:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>No. of Samples:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_count']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Source of Raw Material:</label>
</div>
<div class="col-lg-9">
<?php echo $value['f_source']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Condition:</label>
</div>
<div class="col-lg-9">
<?php echo $value['f_condition']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Temperature:</label>
</div>
<div class="col-lg-9">
<?php echo $value['f_temp']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Ave. Weight:</label>
</div>
<div class="col-lg-9">
<?php echo $value['f_weight']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Sampling Point Type:</label>
</div>
<div class="col-lg-9">
<?php echo $value['f_samplingpoint']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected by:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collected_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collection Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collection_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected at:</label>
</div>
<div class="col-lg-9">
<?php echo $value['complete_address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Address:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer_address']; ?>
?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Test Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['test_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Tested By:</label>
</div>
<div class="col-lg-9">
<?php echo $value['tested_by']; ?>
</div>
</div>
<div class="row">
</div>

```

```

<div class="col-lg-3">
<label>Microorganism</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism']; ?>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism Count:</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism_count']; ?>
</div>
</div>
</p>
</small>
</div>
<div class="modal-footer_alert_alert-info">
<span class="pull-left">
By: <?php echo $value['originalOwner']; ?></span>
<button type="button" class="btn btn-default" data-dismiss="modal">Close</button>
</div>
</div>
</div>
</div>
</td>
<td><?php echo $value['f_source']; ?></td>
<td><?php echo $value['f_condition']; ?></td>
<td><?php echo $value['f_samplingpoint']; ?></td>
<td><?php echo $value['test_date']; ?></td>
<td><?php echo $value['complete_address']; ?></td>
<td><?php echo $value['microorganism']; ?></td>
</tr>
<?php ?>
</tbody>
</table>
<a data-toggle="modal" href="#confirmModal" id="button" class="btn btn-primary btn-md pull-left" style="margin-bottom
: 30px;">
Send <span class="glyphicon glyphicon-circle-arrow-right"></span>
</a><br/>
<div class="modal_fade" id="confirmModal" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<?php echo form_open('../approveSample/fish'); ?>
<form role="form">
<div class="modal-header">
<button type="button" class="close" data-dismiss="modal">&times;</button>
<h4 class="modal-title">Confirm:</h4>
</div>
<div class="modal-body" id="writehere">
</div>
<div class="modal-footer">
<button type="submit" class="btn btn-primary" id="confirmButton">Confirm</button>
<button type="button" class="btn btn-primary" data-dismiss="modal">Cancel</button>
</div>
</form>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<?php } else { ?>
<div class="row">
<div class="col-lg-12">
<div class="panel_panel-default">
<div class="panel-heading">
You're not authorized to view this.
</div>
</div>
</div>
</div>
<?php-}<?>
</div>
</div>
</div>

```

mymeat.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Meat Samples
<?php if($role=='nmis') { ?>
<a href="/ifgis/addSample/meat" class="btn btn-md btn-primary pull-right" role="button"><i class="glyphicon glyphicon-plus"></i>Add Sample</a>
<?php ?>
</h1>
</div>
</div>
<?php if($role=='nmis' || $role=='nec') { ?>
<div class="row">
<?php if (isset($successedit)) { ?>
<div class="col-lg-6_col-lg-offset-3">
<p class="alert_alert-success" role="alert" style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></span>
Test data was successfully edited!
</p>
</div>
<?php } elseif (isset($successvoid)) { ?>
<div class="col-lg-6_col-lg-offset-3">
<p class="alert_alert-warning" role="alert" style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></span>
Test data was sent back to its previous owner for review
</p>
</div>
<?php ?>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a active class="btn btn-default btn-lg"
href="/ifgis/samples/meat">IFGIS
Records &raquo;</a>
<a class="btn btn-default btn-lg_active" href="/ifgis/mySamplesReview/meat">My
Records &raquo;</a>
</p>
<p>
<a class="btn btn-default btn-sm_active" href="/ifgis/mySamplesReview/meat">For
Review</a>
<?php if($role!='nec') { ?><a class="btn btn-default btn-sm" href="/ifgis/mySamplesApproved/meat">Sent for
approval</a><?php } ?>
</p>
<div class="panel_panel-default">
<div class="panel-heading">&nbsp;</div>
<div class="panel-body">
<div class="dataTable_wrapper">
<table id="myTable" class="table table-striped table-bordered table-hover" id="dataTables-example">
<thead>
<tr>
<th>Sample ID</th>
<th>Sample Name</th>
<th>Sample Type</th>
<th>Manufacturer Name</th>
<th>Test Date</th>
<th>Collected at <i><small>(Address)</small></i></th>
<th>Microorganism</th>
</tr>
</thead>
<tbody>
<?php foreach ($output as $i => $value) {
?>
<tr id="<?php echo $value['sample_ID']; _?>">

```



```

<td><a data-toggle="modal" href="#myModal
<?php echo $i;?>"><?php echo $value [ '
sample_ID ' ]; ?></a></td>
<td><a data-toggle="modal" href="#myModal
<?php echo $i;?>"><?php echo $value [ '
sample_name ' ]; ?></a>
<div class="modal_fade" id="myModal<?php-
echo $i;?>" role="dialog">
<div class="modal-dialog">
<!-- Modal content -->
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-
dismiss="modal">&times;</button>
<h4 class="modal-title">#<?php echo $value
[ 'sample_ID ' ];?> - <?php echo $value [ '
sample_name ' ]; ?></h4>
</div>
<div class="modal-body">
<small>
<div class="row">
<div class="col-lg-4_col-lg-offset-9">
<?php if ($value [ 'originalOwner ' ]!=
$username) {?>
<a class="btn btn-danger btn-sm" href="
voidSample/<?php echo $value [ '
sample_ID ' ];?>">Return to sender&nbsp;&nbsp;&nbsp;
&nbsp;&nbsp;&nbsp;<span class="glyphicon-
glyphicon-chevron-left"></span></a>
<?php } else { ?>
<a class="btn btn-warning btn-sm" href="
editSample/<?php echo $value [ '
sample_ID ' ];?>">Edit&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<span
class="glyphicon-glyphicon-pencil"></
span></a>
<a class="btn btn-danger btn-sm" href="
voidSample/<?php echo $value [ '
sample_ID ' ];?>">Void&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<span
class="glyphicon-glyphicon-trash"></
span></a>
<?php } ?>
</div>
</div>
<p>
<div class="row">
<div class="col-lg-3">
<label>Item:</label>
</div>
<div class="col-lg-9">
<?php echo $value [ 'sample_name ' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>No. of Samples:</label>
</div>
<div class="col-lg-9">
<?php echo $value [ 'sample_count ' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Meat Sample Type:</label>
</div>
<div class="col-lg-9">
<?php echo $value [ 'm_type ' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Weight:</label>
</div>
<div class="col-lg-9">
<?php echo $value [ 'm_weight ' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Date of Slaughter:</label>
</div>
<div class="col-lg-9">
<?php echo $value [ 'm_slaughter_date ' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected by:</label>
</div>
<div class="col-lg-9">
<?php echo $value [ 'collected_by ' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collection Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value [ 'collection_date ' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected at:</label>
</div>
<div class="col-lg-9">
<?php echo $value [ 'complete_address ' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value [ 'manufacturer_name ' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Address:</label>
</div>
<div class="col-lg-9">
<?php echo $value [ 'manufacturer_address ' ];
?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Test Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value [ 'test_date ' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Tested By:</label>
</div>
<div class="col-lg-9">
<?php echo $value [ 'tested_by ' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism</label>
</div>
<div class="col-lg-9">
<?php echo $value [ 'microorganism ' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism Count:</label>
</div>
<div class="col-lg-9">
<?php echo $value [ 'microorganism_count ' ];
?>
</div>
</div>
<p>
</small>
</div>
<div class="modal-footer_alert_alert-info">
<span class="pull-left">
By: <?php echo $value [ 'originalOwner '
];?></span>
<button type="button" class="btn btn-
default" data-dismiss="modal">Close</
button>
</div>
</div>
</div>
</div>
</td>
<td><?php echo $value [ 'm_type ' ]; ?></td>
<td><?php echo $value [ 'manufacturer_name '
]; ?></td>
<td><?php echo $value [ 'test_date ' ]; ?></td>
<td><?php echo $value [ 'complete_address ' ];
?></td>
<td><?php echo $value [ 'microorganism ' ];
?></td>
</tr>
<?php }?>
</tbody>
</table>
<a data-toggle="modal" href="#confirmModal
" id="button" class="btn btn-primary_
btn-md_pull-left" style="margin-bottom
:_30px;">
Send <span class="glyphicon-glyphicon-
circle-arrow-right"></span></a><br>
<div class="modal_fade" id="confirmModal"
role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<?php echo form_open ( './approveSample/
meat ' ); ?>
<form role="form">
<div class="modal-header">
<button type="button" class="close" data-

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        dismiss="modal">&times;</button>
</div>
<div class="modal-body" id="writehere">
</div>
<div class="modal-footer">
<button type="submit" class="btn btn-primary" id="confirmButton">Confirm</button>
<button type="button" class="btn btn-primary" data-dismiss="modal">Cancel</button>
</div>
</form>
</div>
</div>
</div>
</div>
</div>
</div>

```

mypatients.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">My Patients
<?php if($role=='bhw' || $role=='cmhw' || $role=='phw') { ?>
<a href="/ifgis/addPatient" class="btn btn-md btn-primary pull-right" role="button"><i class="glyphicon glyphicon-plus"></i> Add Patient</a>
<?php }?>
</h1>
</div>
</div>
<?php if($role=='bhw' || $role=='cmhw' || $role=='phw' || $role=='nec') { ?>
<div class="row">
<?php if (isset($successedit)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-success" role="alert" style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></span>
Test data was successfully edited!
</p>
<?php } elseif (isset($successvoid)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-warning" role="alert" style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></span>
Test data was sent back to its previous owner for review
</p>
</div>
<?php }?>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a class="btn btn-default btn-lg" href="/ifgis/patients">IFGIS Patient Records</a>
<a class="btn btn-default btn-lg active" href="/ifgis/myPatientsReview">My Patient Records</a>
</p>
<p>
<a class="btn btn-default btn-sm active" href="/ifgis/myPatientsReview">For Review</a>
<?php if($role!='nec'){?><a class="btn btn-default btn-sm" href="/ifgis/myPatientsApproved">Sent for approval</a><?php } ?>
</p>
<div class="panel panel-default">
<div class="panel-heading">&nbsp;</div>
<div class="panel-body">
<div class="dataTable_wrapper">
<i>Select patients to approve.</i>
<table id="myTable" class="table table-striped table-bordered table-hover" id="dataTables-example">
<thead>
<tr>
<th>Patient ID#</th>
<th>Sex</th>
<th>Age</th>
<th>Outcome</th>

```

```

<div class="col-lg-3">
<label>Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value[ 'patient_name' ]; ?>
</div>
</div>
<?php ?>
<div class="row">
<div class="col-lg-3">
<label>Address: </label>
</div>
<div class="col-lg-9">
<?php echo $value[ 'complete_address' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Age: </label>
</div>
<div class="col-lg-9">
<?php $from = new DateTime($value[ '
birthdate' ] );
$to = new DateTime('today' );
echo $from->diff($to->y);
?>
</div>
</div>
<?php if ($value[ 'originalOwner' ]==
$username) { ?>
<div class="row">
<div class="col-lg-3">
<label>Birthday: </label>
</div>
<div class="col-lg-9">
<?php echo $value[ 'birthdate' ]; ?>
</div>
</div>
<?php ?>
<div class="row">
<div class="col-lg-3">
<label>Sex: </label>
</div>
<div class="col-lg-9">
<?php echo $value[ 'sex' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Occupation: </label>
</div>
<div class="col-lg-9">
<?php echo $value[ 'occupation' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Date of Admission:</label>
</div>
<?php if ($value[ 'admitdate' ]!= '0000-00-00'
) { ?>
<div class="col-lg-9">
<?php echo $value[ 'admitdate' ]; ?>
</div>
<?php } ?>
</div>
<div class="row">
<div class="col-lg-3">
<label>Date of Onset:</label>
</div>
<?php if ($value[ 'onsetdate' ]!= '0000-00-00'
) { ?>
<div class="col-lg-9">
<?php echo $value[ 'onsetdate' ]; ?>
</div>
<?php } ?>
</div>
<div class="row">
<div class="col-lg-3">
<label>Organism:</label>
</div>
<div class="col-lg-9">
<?php echo $value[ 'stoolculture' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Source of Drinking Water:</label>
</div>
<div class="col-lg-9">
<?php echo $value[ 'sdw' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Toilet Facility:</label>
</div>
<div class="col-lg-9">
<?php echo $value[ 'toiletfacility' ]; ?>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Suspected food or drink:</label>
</div>
<div class="col-lg-9">
<?php
if ($value[ 'fooddrink' ]== 'No') {
echo 'No_suspected_food_or_drink.';
} else {
echo $value[ 'fooddrink' ];
}
?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Source of suspected food or drink
:</label>
</div>
<div class="col-lg-9">
<?php echo $value[ 'sourcesfd' ]; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Outcome: </label>
</div>
<div class="col-lg-9">
<?php echo $value[ 'outcome' ];
if ($value[ 'outcome' ]== 'dead') {
echo "_since_". $value[ 'deathdate' ];
}
?>
</div>
</div>
</small>
</p>
</div>
<div class="modal-footer_alert_alert-info">
<span class="pull-left">
By: <?php echo $value[ 'originalOwner'
]; ?></span>
<button type="button" class="btn btn-
default" data-dismiss="modal">Close</
button>
</div>
</div>
</div>
</td>
<td><?php echo $value[ 'sex' ]; ?></td>
<td><?php echo $value[ 'age' ]; ?></td>
<td><?php echo $value[ 'outcome' ]; ?></td>
<td><?php echo $value[ 'patient_admitted' ];
?></td>
<td><?php echo $value[ 'sdw' ]; ?></td>
<td><?php echo $value[ 'sourcesfd' ]; ?></td>
<td><?php echo $value[ 'toiletfacility' ];
?></td>
<td><?php echo $value[ 'complete_address' ];
?></td>
<td><?php echo $value[ 'stoolculture' ];
?></td>
</tr>
<?php ?>
</tbody>
</table>
<a data-toggle="modal" href="#confirmModal
" id="button" class="btn btn-primary _
btn-md_pull-left" style="margin-bottom
: 30px;">Send <span class="glyphicon _
glyphicon-circle-arrow-right"></span
></a><br/>
<div class="modal_fade" id="confirmModal"
role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<?php echo form_open(' ../approvePatients' )
; ?>
<form role="form">
<div class="modal-header">
<button type="button" class="close" data-
dismiss="modal">&times;</button>
<h4 class="modal-title">Confirm:</h4>
</div>
<div class="modal-body" id="writehere">
</div>
<div class="modal-footer">
<button type="submit" class="btn btn-
primary" id="confirmButton">Confirm</
button>
<button type="button" class="btn btn-
primary" data-dismiss="modal">Cancel</
button>
</div>
</form>
</div>

```

```

</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<?php } else { ?>
<div class="row">
<div class="col-lg-12">
<div class="panel-panel-default">
<div class="panel-heading">
You're not authorized to view this.
</div>
</div>
</div>
</div>
</div>
<?php_}~?>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<script>
$(document).ready(function ()_{
var _table_=_$( '#myTable' ).DataTable ();
$( '#myTable_tbody' ).on( 'click', 'tr',
function () {
$(this).toggleClass('selected');
});
$( '#button' ).click( function () {
var newHTML = [];
var selectedRows = table.rows( 'selected' )
.ids().toArray ();
if (selectedRows.length <= 0) {
newHTML.push( 'No patients were selected.' );
$( '#confirmButton' ).css( {" visibility": "hidden"} );
} else {
$( '#confirmButton' ).css( {" visibility": "visible"} );
newHTML.push( '<input type="hidden" value='
');
for (var i = 0; i < selectedRows.length; i
++) {
newHTML.push( selectedRows [ i ] );
newHTML.push( ' ' );
}
newHTML.pop ();
newHTML.push( '" name="row"></input>' );
newHTML.push( 'Do you want to publish the
selected patient(s)?' );
}
$( "#writehere" ).html( newHTML.join( "" ) );
});
});
}/script>

```

myplant.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Fruit and
Vegetable Samples
<?php if ($role=='bpi') { ?>
<a href="/ifgis/addSample/plant" class="
btn btn-md btn-primary pull-right"
role="button"><i class="glyphicon
glyphicon-plus"></i>Add Sample</a>
<?php } ?>
</h1>
</div>
</div>
<?php if ($role=='bpi' || $role=='nec') { ?>
<div class="row">
<?php if (isset ($successedit)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-success" role="alert"
style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></span>
Test data was successfully edited!
</p>
</div>
<?php } elseif (isset ($successvoid)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-warning" role="alert"
style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></span>
Test data was sent back to its previous
owner for review
</p>
</div>
<?php } ?>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a active class="btn btn-default btn-lg"
href="/ifgis/samples/plant">IFGIS
Records &raquo;</a>
<a class="btn btn-default btn-lg active"
href="/ifgis/mySamplesReview/plant">My
Records &raquo;</a>
</p>
<p>
<a class="btn btn-default btn-sm active"
href="/ifgis/mySamplesReview/plant">
For Review</a>
<?php if ($role!='nec') { ?> <a class="btn btn
default btn-sm" href="/ifgis /
mySamplesApproved/plant">Sent for
approval</a><?php } ?>
</p>
<div class="panel-panel-default">
<div class="panel-heading">&nbsp;</div>
<div class="panel-body">
<div class="dataTable-wrapper">
<table id="myTable" class="table table-
striped table-bordered table-hover" id
="dataTables-example">
<thead>
<tr>
<th>Sample ID</th>
<th>Sample Name</th>
<th>Manufacturer Name</th>
<th>Test Date</th>
<th>Collected at <i><small>(Address)</
small></i></th>
<th>Microorganism</th>
</tr>
</thead>
<tbody>
<?php foreach ($output as $i => $value) {
?>
<tr id="<?php echo $value['sample.ID']; _?>
">
<td><a data-toggle="modal" href="#myModal
<?php echo $value['sample.ID']; ?>></a></td>
<td><a data-toggle="modal" href="#myModal
<?php echo $value['sample.name']; ?>></a>
<div class="modal-fade" id="myModal<?php
echo $value['?>" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-
dismiss="modal">&times;</button>
<h4 class="modal-title">#<?php echo $value
['sample.ID']; ?> - <?php echo $value['
sample.name']; ?></h4>
</div>
<div class="modal-body">
<small>
<div class="row">
<div class="col-lg-4 col-lg-offset-9">
<?php if ($value['originalOwner']!=
$username) { ?>
<a class="btn btn-danger btn-sm" href="
voidSample/<?php echo $value['
sample.ID']; ?>>Return to sender&nbsp;
&nbsp;&nbsp;<span class="glyphicon
glyphicon-chevron-left"></span></a>
<?php } else { ?>
<a class="btn btn-warning btn-sm" href="
editSample/<?php echo $value['
sample.ID']; ?>>Edit&nbsp;&nbsp;&nbsp;<span
class="glyphicon glyphicon-pencil"></span></a>
<a class="btn btn-danger btn-sm" href="
voidSample/<?php echo $value['
sample.ID']; ?>>Void&nbsp;&nbsp;&nbsp;<span
class="glyphicon glyphicon-trash"></span></a>
<?php } ?>
</div>

```

```

</div>
<p>
<div class="row">
<div class="col-lg-3">
<label>Item:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>No. of Samples:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_count']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected by:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collected_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collection Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collection_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected at:</label>
</div>
<div class="col-lg-9">
<?php echo $value['complete_address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Address:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer_address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Test Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['test_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Tested By:</label>
</div>
<div class="col-lg-9">
<?php echo $value['tested_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism Count:</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism_count']; ?>
</div>
</div>
</p>
</small>
</div>
<div class="modal-footer alert alert-info">
<span class="pull-left">
By: <?php echo $value['originalOwner']; ?></span>
<button type="button" class="btn btn-default" data-dismiss="modal">Close</button>
</div>
</div>
</div>
</div>
<td><?php echo $value['manufacturer_name']; ?></td>
<td><?php echo $value['test_date']; ?></td>
<td><?php echo $value['complete_address']; ?></td>
<td><?php echo $value['microorganism']; ?></td>
</tr>
<?php }?>
</tbody>
</table>
<a data-toggle="modal" href="#confirmModal" id="button" class="btn btn-primary btn-md pull-left" style="margin-bottom: 30px;">
Send <span class="glyphicon glyphicon-circle-arrow-right"></span>
</a><br/>
<div class="modal_fade" id="confirmModal" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<?php echo form_open('../approveSample/plant'); ?>
<form role="form">
<div class="modal-header">
<button type="button" class="close" data-dismiss="modal">&times;</button>
<h4 class="modal-title">Confirm:</h4>
</div>
<div class="modal-body" id="writehere">
</div>
<div class="modal-footer">
<button type="submit" class="btn btn-primary" id="confirmButton">Confirm</button>
<button type="button" class="btn btn-primary" data-dismiss="modal">Cancel</button>
</div>
</form>
</div>
</div>
</div>
</div>
<div class="modal-body" id="writehere">
</div>
<div class="modal-footer">
<button type="submit" class="btn btn-primary" id="confirmButton">Confirm</button>
<button type="button" class="btn btn-primary" data-dismiss="modal">Cancel</button>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<div class="panel_panel-default">
<div class="panel-heading">
You're not authorized to view this.
</div>
</div>
</div>
</div>
<?php }_?>
</div>
</div>
</div>
</div>

```

myprocessedfood.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Processed Food Samples
<?php if($role=='fda') { ?>

```

```

<a href="/ifgis/addSample/processedfood"
  class="btn btn-md btn-primary pull-
  right" role="button"><i class="
  glyphicon glyphicon-plus"></i>Add
  Sample</a>
<?php ?>
</h1>
</div>
</div>
<?php if($role=='fda' || $role=='nec') { ?>
<div class="row">
<?php if (isset($successedit)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-success" role="alert"
  style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></
  span>
Test data was successfully edited!
</p>
</div>
<?php } elseif (isset($successvoid)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-warning" role="alert"
  style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></
  span>
Test data was sent back to its previous
owner for review
</p>
</div>
<?php ?>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a active class="btn btn-default btn-lg"
  href="/ifgis/samples/processedfood">
  IFGIS Records &raquo;</a>
<a class="btn btn-default btn-lg active"
  href="/ifgis/mySamplesReview/
  processedfood">My Records &raquo;</a>
</p>
<p>
<a class="btn btn-default btn-sm active"
  href="/ifgis/mySamplesReview/
  processedfood">For Review</a>
<?php if($role!='nec'){?><a class="btn btn-
  default btn-sm" href="/ifgis /
  mySamplesApproved/processedfood">Sent
  for approval</a><?php } ?>
</p>
<div class="panel panel-default">
<div class="panel-heading">&nbsp;&nbsp;&nbsp;</div>
<div class="panel-body">
<div class="dataTable_wrapper">
<table id="myTable" class="table table-
  striped table-bordered table-hover" id
  ="dataTables-example">
<thead>
<tr>
<th>Sample ID</th>
<th>Sample Name</th>
<th>Brand Name</th>
<th>Manufacturer Name</th>
<th>Condition</th>
<th>Test Date</th>
<th>Collected at <i><small>(Address)</
  small></i></th>
<th>Microorganism</th>
</tr>
</thead>
<tbody>
<?php foreach ($output as $i => $value) {
  ?>
<tr id="<?php echo $value['sample_ID']; ?>
  ">
<td><a data-toggle="modal" href="#myModal
  <?php echo $i; ?>"><?php echo $value['
  sample_ID']; ?></a></td>
<td><a data-toggle="modal" href="#myModal
  <?php echo $i; ?>"><?php echo $value['
  sample_name']; ?></a>
<div class="modal fade" id="myModal<?php-
  echo $i; ?>" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-
  dismiss="modal">&times;</button>
<h4 class="modal-title">#<?php echo $value
  ['sample_ID']; ?> - <?php echo $value['
  sample_name']; ?></h4>
</div>
<div class="modal-body">
<small>
<div class="row">
<div class="col-lg-4 col-lg-offset-9">
<?php if($value['originalOwner']!=
  $username) ?>
<a class="btn btn-danger btn-sm" href="=
  voidSample/<?php echo $value['
  sample_ID']; ?>">Return to sender&nbsp;&nbsp;
  &nbsp;&nbsp;<span class="glyphicon-
  glyphicon-chevron-left"></span></a>
<?php } else { ?>
<a class="btn btn-warning btn-sm" href="=
  editSample/<?php echo $value['
  sample_ID']; ?>">Edit&nbsp;&nbsp;&nbsp;<span
  class="glyphicon glyphicon-pencil"></
  span></a>
<a class="btn btn-danger btn-sm" href="=
  voidSample/<?php echo $value['
  sample_ID']; ?>">Void&nbsp;&nbsp;&nbsp;<span
  class="glyphicon glyphicon-trash"></
  span></a>
<?php } ?>
</div>
</div>
<p>
<div class="row">
<div class="col-lg-3">
<label>Item:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Brand Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value['brandname']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>No. of Samples:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_count']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected by:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collected_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collection Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collection_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected at:</label>
</div>
<div class="col-lg-9">
<?php echo $value['complete_address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Address:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer_address'];
  ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Condition:</label>
</div>
<div class="col-lg-9">
<?php echo $value['pf_condition']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Temperature:</label>
</div>
<div class="col-lg-9">
<?php echo $value['pf.temp']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Expiration Date:</label>

```

```

</div>
<div class="col-lg-9">
<?php echo $value['pf.expiration.date'];
?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Sealed:</label>
</div>
<div class="col-lg-9">
<?php echo $value['pf.sealed']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Test Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['test.date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Tested By:</label>
</div>
<div class="col-lg-9">
<?php echo $value['tested.by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism Count:</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism.count'];
?>
</div>
</div>
</p>
</small>
</div>
<div class="modal-footer_alert_alert-info">
<span class="pull-left">
By: <?php echo $value['originalOwner']
?></span>
<button type="button" class="btn btn-
default" data-dismiss="modal">Close</
button>
</div>
</div>
</div>
</div>
</td>
<td><?php echo $value['brandname']; ?></td>
<td><?php echo $value['manufacturer.name']

```

```

]; ?></td>
<td><?php echo $value['pf.condition'];
?></td>
<td><?php echo $value['test.date']; ?></td>
<td><?php echo $value['complete.address'];
?></td>
<td><?php echo $value['microorganism'];
?></td>
</tr>
<?php }?>
</tbody>
</table>
<a data-toggle="modal" href="#confirmModal"
id="button" class="btn btn-primary_
btn-md_pull-left" style="margin-bottom
:_30px;">
Send <span class="glyphicon_glyphicon-
circle-arrow-right"></span>
</a><br/>
<div class="modal_fade" id="confirmModal"
role="dialog">
<div class="modal_dialog">
<div class="modal_content">
<?php echo form.open('../approveSample/
processedfood'); ?>
<form role="form">
<div class="modal_header">
<button type="button" class="close" data-
dismiss="modal">&times;</button>
<h4 class="modal_title">Confirm:</h4>
</div>
<div class="modal_body" id="writehere">
</div>
<div class="modal_footer">
<button type="submit" class="btn btn-
primary" id="confirmButton">Confirm</
button>
<button type="button" class="btn btn-
primary" data-dismiss="modal">Cancel</
button>
</div>
</form>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<?php }else{ ?>
<div class="row">
<div class="col-lg-12">
<div class="panel_panel-default">
<div class="panel_heading">
You're not authorized to view this.
</div>
</div>
</div>
</div>
</div>
<?php }_?>
</div>
</div>
</div>
</script>

```

mywater.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Water Samples
<?php if($role=='nrl') { ?>
<a href="/ifgis/addSample/water" class="
btn btn-md btn-primary_pull-right"
role="button"><i class="glyphicon_
glyphicon-plus"></i>Add Sample</a>
<?php }?>
</h1>
</div>
</div>
</div>
<?php if($role=='nrl' || $role=='nec') { ?>
<div class="row">
<?php if (isset($successedit)) { ?>
<div class="col-lg-6_col-lg-offset-3">
<p class="alert_alert-success" role="alert"
style="visibility: visible;">
<span class="glyphicon_glyphicon-ok"></
span>
Test data was successfully edited!
</p>

```

```

</div>
<?php }elseif (isset($successvoid)) { ?>
<div class="col-lg-6_col-lg-offset-3">
<p class="alert_alert-warning" role="alert"
style="visibility: visible;">
<span class="glyphicon_glyphicon-ok"></
span>
Test data was sent back to its previous
owner for review
</p>
</div>
<?php }?>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a active class="btn btn-default_btn-lg"
href="/ifgis/samples/water">IFGIS
Records &raquo;</a>
<a class="btn btn-default_btn-lg_active"
href="/ifgis/mySamplesReview/water">My
Records &raquo;</a>
</p>
</p>

```

```

<a class="btn btn-default btn-sm active"
href="/ifgis/mySamplesReview/water">
For Review</a>
<?php if($role!='nec'){?<a class="btn btn
default btn-sm" href="/ifgis/
mySamplesApproved/water">Sent for
approval</a><?php } ?>
</p>
<div class="panel panel-default">
<div class="panel-heading">&nbsp;</div>
<div class="panel-body">
<div class="dataTable_wrapper">
<table id="myTable" class="table table-
striped table-bordered table-hover" id
="dataTables-example">
<thead>
<tr>
<th>Sample ID</th>
<th>Sampling Point</th>
<th>Source of Water Supply</th>
<th>Water Treated?</th>
<th>Test Date</th>
<th>Collected at <i><small>(Address)</
small></i></th>
<th>Microorganism</th>
</tr>
</thead>
<tbody>
<?php foreach ($output as $i => $value) {
?>
<tr id="<?php echo $value['sample_ID']; _?>
">
<td><a data-toggle="modal" href="#myModal
<?php echo $i;?>"><?php echo $value['
sample_ID']; ?></a></td>
<td><a data-toggle="modal" href="#myModal
<?php echo $i;?>"><?php echo $value['
sample_name']; ?></a>
<div class="modal fade" id="myModal<?php
echo $i;?>" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-
dismiss="modal">&times;</button>
<h4 class="modal-title">#<?php echo $value
['sample_ID']?> - <?php echo $value['
sample_name']; ?></h4>
</div>
<div class="modal-body">
<small>
<div class="row">
<div class="col-lg-4 col-lg-offset-9">
<?php if($value['originalOwner']!=
$username) {?>
<a class="btn btn-danger btn-sm" href="
voidSample/<?php echo $value['
sample_ID'];?>">Return to sender&nbsp;&nbsp;&nbsp;
&nbsp;<span class="glyphicon_
glyphicon-chevron-left"></span></a>
<?php } else { ?>
<a class="btn btn-warning btn-sm" href="
editSample/<?php echo $value['
sample_ID'];?>">Edit&nbsp;&nbsp;&nbsp;<span
class="glyphicon_glyphicon-pencil"></
span></a>
<a class="btn btn-danger btn-sm" href="
voidSample/<?php echo $value['
sample_ID'];?>">Void&nbsp;&nbsp;&nbsp;<span
class="glyphicon_glyphicon-trash"></
span></a>
<?php } ?>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Sampling Point:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Source of Water Supply:</label>
</div>
<div class="col-lg-9">
<?php echo $value['w_source']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>No. of Samples:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_count']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected by:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collected_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collection Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collection_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected at:</label>
</div>
<div class="col-lg-9">
<?php echo $value['complete_address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Type of Ownership:</label>
</div>
<div class="col-lg-9">
<?php echo $value['w_ownership']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Water Treated?:</label>
</div>
<div class="col-lg-9">
<?php echo $value['w_treated']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Test Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['test_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Tested By:</label>
</div>
<div class="col-lg-9">
<?php echo $value['tested_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism Count:</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism_count'];
?>
</div>
</div>
</p>
</small>
</div>
<div class="modal-footer alert alert-info">
<span class="pull-left">
By: <?php echo $value['originalOwner']
?></span>
<button type="button" class="btn btn-
default" data-dismiss="modal">Close</
button>
</div>
</div>
</div>
</div>
<td><?php echo $value['w_source']; ?></td>
<td><?php echo $value['w_treated']; ?></td>
<td><?php echo $value['test_date']; ?></td>
<td><?php echo $value['complete_address'];
?></td>
<td><?php echo $value['microorganism'];
?></td>
</tr>
<?php }?>
</tbody>
</table>

```



```

<p>
<div class="row">
<div class="col-lg-3">
<label>Patient No:</label>
</div>
<div class="col-lg-9">
<?php echo $value['patient_ID']; ?>
</div>
</div>
<?php if($value['originalOwner']==
$username) { ?>
<div class="row">
<div class="col-lg-3">
<label>Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value['patient_name']; ?>
</div>
</div>
<?php } ?>
<div class="row">
<div class="col-lg-3">
<label>Address:</label>
</div>
<div class="col-lg-9">
<?php echo $value['complete_address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Age:</label>
</div>
<div class="col-lg-9">
<?php $from = new DateTime($value['
birthdate']);
$to = new DateTime('today');
echo $from->diff($to)->y;
?>
</div>
</div>
<?php if($value['originalOwner']==
$username) { ?>
<div class="row">
<div class="col-lg-3">
<label>Birthday:</label>
</div>
<div class="col-lg-9">
<?php echo $value['birthdate']; ?>
</div>
</div>
<?php }?>
<div class="row">
<div class="col-lg-3">
<label>Sex:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sex']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Occupation:</label>
</div>
<div class="col-lg-9">
<?php echo $value['occupation']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Date of Admission:</label>
</div>
<?php if($value['admitdate']!= '0000-00-00'
){?>
<div class="col-lg-9">
<?php echo $value['admitdate']; ?>
</div>
<?php } ?>
</div>
<div class="row">
<div class="col-lg-3">
<label>Date of Onset:</label>
</div>
<?php if($value['onsetdate']!= '0000-00-00'
){?>
<div class="col-lg-9">
<?php echo $value['onsetdate']; ?>
</div>
<?php } ?>
</div>
<div class="row">
<div class="col-lg-3">
<label>Organism:</label>
</div>
<div class="col-lg-9">
<?php echo $value['stoolculture']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Source of Drinking Water:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sdw']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Toilet Facility:</label>
</div>
<div class="col-lg-9">
<?php echo $value['toiletfacility']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Suspected food or drink:</label>
</div>
<div class="col-lg-9">
<?php
if($value['fooddrink']=='No'){
echo 'No_suspected_food_or_drink.';
}else{
echo $value['fooddrink'];
}
?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Source of suspected food or drink
:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sourcesfd']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Outcome:</label>
</div>
<div class="col-lg-9">
<?php echo $value['outcome'];
if($value['outcome']=='dead'){
echo "_since_". $value['deathdate'];
}
?>
</div>
</div>
<div class="modal-footer_alert_alert-info">
<span class="pull-left">
By: <?php echo $value['originalOwner']
?></span>
<button type="button" class="btn btn-
default" data-dismiss="modal">Close</
button>
</div>
</div>
</div>
</div>
<td><?php echo $value['sex']; ?></td>
<td><?php echo $value['age']; ?></td>
<td><?php echo $value['outcome']; ?></td>
<td><?php echo $value['patient_admitted'];
?></td>
<td><?php echo $value['sdw']; ?></td>
<td><?php echo $value['sourcesfd']; ?></td>
<td><?php echo $value['toiletfacility'];
?></td>
<td><?php echo $value['complete_address'];
?></td>
<td><?php echo $value['stoolculture'];
?></td>
</tr>
<?php }?>
</tbody>
</table>
</div>
</div>
<?php }else{ ?>
<div class="row">
<div class="col-lg-12">
<div class="panel_panel-default">
<div class="panel-heading">
You're_not_authorized_to_view_this.
</div>
</div>
</div>
</div>
<?php }->
</div>
</div>
</div>

```

```

</div>
<script>
$(document).ready(function ()-{
var _table=_$('#myTable').DataTable();
$('#myTable_tbody').on('click','tr',

```

```

function () {
$(this).toggleClass('selected');
});
} );
</script>

```

plant_view.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Fruit and
Vegetable Samples
<?php if($role=='bpi') { ?>
<a href="/ifgis/addSample/plant" class="
btn btn-md btn-primary pull-right"
role="button"><i class="glyphicon_
glyphicon-plus"></i>Add Sample</a>
<?php }?>
</h1>
</div>
</div>
<?php if($role=='bpi' || $role=='nec') { ?>
<div class="row">
<?php if (isset($successedit)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-success" role="alert"
" style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></
span>
Test data was successfully edited!
</p>
</div>
<?php }elseif (isset($successvoid)) { ?>
<div class="col-lg-6 col-lg-offset-3">
<p class="alert alert-warning" role="alert"
" style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></
span>
Test data was sent back to its previous
owner for review
</p>
</div>
<?php }?>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a active class="btn btn-default btn-lg_
active" href="/ifgis/samples/plant">
IFGIS Records &raquo;</a>
<a class="btn btn-default btn-lg" href="/
ifgis/mySamplesReview/plant">My
Records &raquo;</a>
</p>
<div class="panel panel-default">
<div class="panel-heading">&nbsp;&nbsp;&nbsp;</div>
<div class="panel-body">
<div class="dataTable_wrapper">
<table id="myTable" class="table table-
striped table-bordered table-hover" id
="dataTables-example">
<thead>
<tr>
<th>Sample ID</th>
<th>Sample Name</th>
<th>Manufacturer Name</th>
<th>Test Date</th>
<th>Collected at <i><small>(Address)</
small></i></th>
<th>Microorganism</th>
</tr>
</thead>
<tbody>
<?php foreach ($output as $i => $value) {
?>
<tr id="<?php echo _$value['sample_ID '];_?>
">
<td><a data-toggle="modal" href="#myModal
<?php echo _$i;?>"><?php echo $value['
sample_ID ']; ?></a></td>
<td><a data-toggle="modal" href="#myModal
<?php echo _$i;?>"><?php echo $value['
sample_name ']; ?></a>
<div class="modal fade" id="myModal<?php_
echo _$i;?>" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-
dismiss="modal">&times;</button>
<h4 class="modal-title">#<?php echo $value
['sample_ID '];?> - <?php echo $value['
sample_name ']; ?></h4>

```

```

</div>
<div class="modal-body">
<small>
<p>
<div class="row">
<div class="col-lg-3">
<label>Item:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>No. of Samples:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_count']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected by:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collected_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collection Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collection_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected at:</label>
</div>
<div class="col-lg-9">
<?php echo $value['complete_address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Address:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer_address']; ?>
?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Test Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['test_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Tested By:</label>
</div>
<div class="col-lg-9">
<?php echo $value['tested_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism']; ?>
</div>
</div>
<div class="row">

```

```

<div class="col-lg-3">
<label>Microorganism Count:</label>
</div>
<div class="col-lg-9">
<?php echo $value[ 'microorganism_count' ];
?>
</div>
</div>
</p>
</small>
</div>
<div class="modal-footer_alert_alert-info"
>
<span class="pull-left">
By: <?php echo $value[ 'originalOwner'
];?></span>
<button type="button" class="btn btn-
default" data-dismiss="modal">Close</
button>
</div>
</div>
</div>
</div>
</td>
<td><?php echo $value[ 'manufacturer_name'
]; ?></td>
<td><?php echo $value[ 'test_date' ]; ?></td
>
<td><?php echo $value[ 'complete_address' ];
?></td>
<td><?php echo $value[ 'microorganism' ];
?></td>
</tr>
<?php }?>
</tbody>
</table>
</div>
</div>
</div>
</div>
<?php } else{ ?>
<div class="row">
<div class="col-lg-12">
<div class="panel_panel-default">
<div class="panel-heading">
You're_not_authorized_to_view_this .
</div>
</div>
</div>
</div>
</div>
<?php }->
</div>
</div>
</div>

```

post_thread_page.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Forum
</h1>
</div>
</div>
<div class="row">
<div class="col-lg-8_col-lg-offset-2">
<?php echo form_open( '.. / forum/addThread' )
;?>
<div class="panel-body">
<form role="form">
<h3>New Topic</h3>
<div class="form-group">
<label>Subject:</label>
<select name="category" class="form-
control">
<option value="Human_Cases">Human Cases</
option>
<option value="Processed_Food_Samples">
Processed Food Samples</option>
<option value="Animal_Samples">Animal
Samples</option>
<option value="Meat_Samples">Meat Samples
</option>
<option value="Seafood_Samples">Seafood
Samples</option>
<option value="Fruit_and_Vegetable_Samples
">Fruit and Vegetable Samples</option>
<option value="Dairy_Samples">Dairy
Samples</option>
<option value="Water_Samples">Water
Samples</option>
<option value="Others">Others</option>
</select>
</div>
<div class="form-group">
<label>Topic:</label>
<input name="topic" class="form-control">
</div>
<div class="form-group">
<label>Post:</label>&nbsp;<small><i>as <?
php echo $user[ 'username' ];?></i></
small>
<textarea name="comment" class="form-
control" rows="5" id="comment"></
textarea>
</div>
<button type="submit" class="btn btn-
default_pull-right">Post</button>
</form>
</div>
</div>
</div>

```

processedfood_view.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Processed Food
Samples
<?php if($role=='fda') { ?>
<a href="/ifgis/addSample/processedfood"
class="btn btn-md btn-primary_pull-
right" role="button"><i class="
glyphicon glyphicon-plus"></i>Add
Sample</a>
<?php }?>
</h1>
</div>
</div>
<?php if($role=='fda' || $role=='nec') { ?>
<div class="row">
<?php if (isset($success)) { ?>
<div class="col-lg-6_col-lg-offset-3">
<p class="alert_alert-success" role="alert"
" style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></
span>
<?php if($role!='nec'){?>
Sample data has been sent to your
supervisor for approval.
<?php }else{?>
Sample data has been published to IFGIS.
<?php } ?>
</p>
</div>
<?php }?>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a active class="btn btn-default btn-lg_
active" href="/ifgis/samples/
processedfood">IFGIS Records &raquo;</
a>
<a class="btn btn-default btn-lg" href="/
ifgis/mySamplesReview/processedfood">
My Records &raquo;</a>
</p>
</div>
<div class="panel_panel-default">

```

```

<div class="panel-heading">&nbsp;</div>
<div class="panel-body">
<div class="dataTable_wrapper">
<table id="myTable" class="table table-striped table-bordered table-hover" id="dataTables-example">
<thead>
<tr>
<th>Sample ID</th>
<th>Sample Name</th>
<th>Brand Name</th>
<th>Manufacturer Name</th>
<th>Condition</th>
<th>Test Date</th>
<th>Collected at <i><small>(Address)</small></i></th>
<th>Microorganism</th>
</tr>
</thead>
<tbody>
<?php foreach ($output as $i => $value) {
?>
<tr id="<?php echo $value['sample_ID']; -?>">
<td><a data-toggle="modal" href="#myModal<?php echo $value['sample_ID']; ?></a></td>
<td><a data-toggle="modal" href="#myModal<?php echo $value['sample_name']; ?></a>
<div class="modal fade" id="myModal<?php echo $i; ?>" role="dialog">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header">
<button type="button" class="close" data-dismiss="modal">&times;</button>
<h4 class="modal-title">#<?php echo $value['sample_ID']; ?> - <?php echo $value['sample_name']; ?></h4>
</div>
<div class="modal-body">
<small>
<p>
<div class="row">
<div class="col-lg-3">
<label>Item:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Brand Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value['brandname']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>No. of Samples:</label>
</div>
<div class="col-lg-9">
<?php echo $value['sample_count']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected by:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collected_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collection Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collection_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected at:</label>
</div>
<div class="col-lg-9">
<?php echo $value['complete_address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Name:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer_name']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Manufacturer Address:</label>
</div>
<div class="col-lg-9">
<?php echo $value['manufacturer_address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Condition:</label>
</div>
<div class="col-lg-9">
<?php echo $value['pf_condition']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Temperature:</label>
</div>
<div class="col-lg-9">
<?php echo $value['pf_temp']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Expiration Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['pf_expiration_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Sealed:</label>
</div>
<div class="col-lg-9">
<?php echo $value['pf_sealed']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Test Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['test_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Tested By:</label>
</div>
<div class="col-lg-9">
<?php echo $value['tested_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism Count:</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism_count']; ?>
</div>
</div>
</p>
</small>
</div>
<div class="modal-footer alert alert-info">
<span class="pull-left">
By: <?php echo $value['originalOwner']; ?></span>
<button type="button" class="btn btn-default" data-dismiss="modal">Close</button>
</div>
</div>
</div>
</td>
<td><?php echo $value['brandname']; ?></td>
<td><?php echo $value['manufacturer_name']; ?></td>
<td><?php echo $value['pf_condition']; ?></td>
<td><?php echo $value['test_date']; ?></td>
<td><?php echo $value['complete_address']; ?></td>
<td><?php echo $value['microorganism']; ?></td>

```

```
</tr>
<?php }?>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</div>
<?php }else{ ?>
<div class="row">
<div class="col-lg-12">
```

```
<div class="panel-panel-default">
<div class="panel-heading">
You're not authorized to view this.
</div>
</div>
</div>
</div>
</div>
<?php-}_?>
</div>
</div>
</div>
```

reports_page.php

```
<script src="https://code.highcharts.com/
highcharts.js"></script>
<script src="https://code.highcharts.com/
modules/exporting.js"></script>
<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Reports</h1>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<div class="panel-panel-default" style="
margin-top:10px;">
<div class="panel-heading">
<i class="fa fa-bell fa-fw"></i> Cases
</div>
<div class="panel-body">
<div class="list-group">
<a href="/ifgis/reports/human" class="btn_
btn-default btn-block<?php_if ($type==
human){echo_ " active";}?>">Human
Cases</a>
<a href="/ifgis/reports/processedfood"
class="btn_btn-default btn-block<?php_
if ($type=='processedfood'){echo_
active";}?>">Processed Food Samples</a
>
<a href="/ifgis/reports/animal" class="btn_
_btn-default btn-block<?php_if ($type
=='animal'){echo_ " active";}?>">Animal
Samples</a>
<a href="/ifgis/reports/meat" class="btn_
btn-default btn-block<?php_if ($type==
meat){echo_ " active";}?>">Meat
Samples</a>
<a href="/ifgis/reports/fish" class="btn_
btn-default btn-block<?php_if ($type==
fish){echo_ " active";}?>">Seafood
Samples</a>
<a href="/ifgis/reports/plant" class="btn_
btn-default btn-block<?php_if ($type==
plant){echo_ " active";}?>">Fruit and
Vegetable Samples</a>
<a href="/ifgis/reports/dairy" class="btn_
btn-default btn-block<?php_if ($type==
dairy){echo_ " active";}?>">Dairy
Samples</a>
<a href="/ifgis/reports/water" class="btn_
btn-default btn-block<?php_if ($type==
water){echo_ " active";}?>">Water
Samples</a>
</div>
</div>
</div>
</div>
</div>
<div class="col-lg-9">
<div class="panel-panel-default">
<div class="panel-heading"></div>
<div class="panel-body">
<div id="container" style="min-width: _310
px;_height: _400px;_margin-top: _10px;"
></div>
</div>
</div>
</div>
</div>
<?php for ($i = 0; $i < 9; $i++){ ?>
<div class="row">
<div class="panel-panel-default">
<div class="panel-heading"></div>
<div class="panel-body">
<div id="container<?php_echo_ $i;?>" style=
"min-width: _310px;_height: _400px;_
margin-top: _20px;"></div>
</div>
```

```
</div>
</div>
<?php } ?>
</div>
</div>
</div>
</div>
<script>
</script>
<script>
$(function () {
$('#container').highcharts({
title: {
text: 'Monthly Microbial Agents Incident
Rate_',
x: -20 //center
},
xAxis: {
categories: ['Jan', 'Feb', 'Mar', 'Apr', 'May',
'Jun', 'Jul', 'Aug', 'Sep', 'Nov', 'Oct',
Dec']
},
yAxis: {
title: {
text: 'No. of Cases'
},
plotLines: [{
value: 0,
width: 1,
color: '#808080'
}],
legend: {
layout: 'vertical',
align: 'right',
verticalAlign: 'middle',
borderWidth: 0
},
series: [
<?php for ($i = 0; $i < 9; $i++){ ?>
{
name: <?php_echo json_encode(
$outputMonthly[$i][0]);?>,
data: <?php_echo json_encode(
$outputMonthly[$i][1]);?>
},
<?php }?>
]
});
</script>
<?php for ($i = 0; $i < 9; $i++){ ?>
<script>
$(function () {
$('#container<?php_echo_ $i;?>').highcharts
({
chart: {
type: 'column'
},
title: {
text: <?php_echo json_encode($outputRegion
[$i][0]); ?>
},
subtitle: {
text: 'No. of Cases by Region'
},
xAxis: {
type: 'category',
labels: {
rotation: -45,
style: {
fontSize: '13px',
fontFamily: 'Verdana, _sans-serif'
}
}
},
yAxis: {
allowDecimals: false,
```

```

min: 0,
title: {
text: 'No. of Cases'
},
legend: {
enabled: false
},
tooltip: {
pointFormat: 'No. of Cases'
},
series: [[
name: <?php echo json_encode($outputRegion
[$i][0]); ?>,
data: [
['I', <?php echo json_encode($outputRegion
[$i][1][0]); ?>,
['II', <?php echo json_encode(
$outputRegion[$i][1][1]); ?>,
['III', <?php echo json_encode(
$outputRegion[$i][1][2]); ?>,
['IV-A', <?php echo json_encode(
$outputRegion[$i][1][3]); ?>,
['IV-B', <?php echo json_encode(
$outputRegion[$i][1][16]); ?>,
['V', <?php echo json_encode($outputRegion
[$i][1][4]); ?>,
['VI', <?php echo json_encode(
$outputRegion[$i][1][5]); ?>,
['VII', <?php echo json_encode(
$outputRegion[$i][1][6]); ?>,
['VIII', <?php echo json_encode(
$outputRegion[$i][1][7]); ?>,

```

```

['IX', <?php echo json_encode(
$outputRegion[$i][1][8]); ?>,
['X', <?php echo json_encode($outputRegion
[$i][1][9]); ?>,
['XI', <?php echo json_encode(
$outputRegion[$i][1][10]); ?>,
['XII', <?php echo json_encode(
$outputRegion[$i][1][11]); ?>,
['NCR', <?php echo json_encode(
$outputRegion[$i][1][12]); ?>,
['CAR', <?php echo json_encode(
$outputRegion[$i][1][13]); ?>,
['CARAGA', <?php echo json_encode(
$outputRegion[$i][1][15]); ?>,
['ARMM', <?php echo json_encode(
$outputRegion[$i][1][14]); ?>,
],
dataLabels: {
enabled: true,
rotation: -90,
color: '#FFFFFF',
align: 'right',
y: 10, // 10 pixels down from the top
style: {
fontSize: '13px',
fontFamily: 'Verdana, sans-serif'
}
}
});
</script>
<?php } ?>

```

sidebar.php

```

<div class="navbar-default sidebar" role="
navigation" style="margin-top: .0px;
background-color: #ffffff;">
<div class="sidebar-nav navbar-collapse">
<?php echo form_open('setFilter'); ?>
<form role="form">
<div id="visualization" class="form-group"
>
<label>Visualization level:</label>
<select name="visualization" class="form-
control">
<option value="regional" <?php echo
set_select('visualization', 'regional')
?>>Regional Level</option>
<option value="provincial" <?php echo
set_select('visualization', 'provincial
') ?>>Provincial Level</option>
<option value="municipal" <?php echo
set_select('visualization', 'municipal'
) ?>>Municipal Level</option>
<option value="barangay" <?php echo
set_select('visualization', 'barangay')
?>>Barangay Level</option>
</select>
</div>
<div id="sources" class="form-group">
<label>Cases from:</label>
<select id="sourcesform" name="sources"
class="form-control" on>
<option value="human" <?php echo
set_select('sources', 'human') ?>>Human
</option>
<option value="processedfood" <?php echo
set_select('sources', 'processedfood')
?>>Processed Food Samples</option>
<option value="animal" <?php echo
set_select('sources', 'animal') ?>>
Animal Samples</option>
<option value="meat" <?php echo set_select
('sources', 'meat') ?>>Meat Samples</
option>
<option value="fish" <?php echo set_select
('sources', 'fish') ?>>Seafood Samples
</option>
<option value="plant" <?php echo
set_select('sources', 'plant') ?>>Fruit
and Vegetable Samples</option>
<option value="dairy" <?php echo
set_select('sources', 'dairy') ?>>Dairy
Samples</option>
<option value="water" <?php echo
set_select('sources', 'water') ?>>Water
Samples</option>
</select>
</div>
<div id="age" class="form-group">
<label>Age Group:</label>

```

```

<select id="ageform" name="age" class="
form-control">
<option value="All" <?php echo set_select(
'age', 'All') ?>>All</option>
<option value="1" <?php echo set_select('
age', '1') ?>>< 1</option>
<option value="1-4" <?php echo set_select(
'age', '1-4') ?>>1-4</option>
<option value="5-14" <?php echo set_select
('age', '5-14') ?>>5-14</option>
<option value="15-49" <?php echo
set_select('age', '15-49') ?>>15-49</
option>
<option value="50-64" <?php echo
set_select('age', '50-64') ?>>50-64</
option>
<option value="65" <?php echo set_select(
'age', '65') ?>>65 </option>
</select>
</div>
<div id="sex" class="form-group">
<label>Sex:</label>
<select id="sexform" name="sex" class="
form-control">
<option value="All" <?php echo set_select(
'sex', 'All') ?>>All</option>
<option value="male" <?php echo set_select
('sex', 'male') ?>>Male</option>
<option value="female" <?php echo
set_select('sex', 'female') ?>>Female</
option>
</select>
</div>
<div id="microorganism" class="form-group"
>
<label>Microorganism:</label>
<select id="microorganismform" name="
microorganism" class="form-control">
<option value="All" <?php echo set_select(
'microorganism', 'All') ?>>All</option>
<option value="E.coli" <?php echo
set_select('microorganism', 'E.coli')
?>>E. coli</option>
<option value="Bacillus_cereus" <?php echo
set_select('microorganism', 'Bacillus_
cereus') ?>>Bacillus cereus</option>
<option value="Campylobacter" <?php echo
set_select('microorganism', '
Campylobacter') ?>>Campylobacter</
option>
<option value="Staphylococcus" <?php echo
set_select('microorganism', '
Staphylococcus') ?>>Staphylococcus</
option>
<option value="Clostridium_botulinum" <?
php echo set_select('microorganism', '

```

```

        Clostridium_botulinum') ?>>Clostridium
        botulinum</option>
<option value="Clostridium_perfringens" <?
php echo set_select('microorganism', '
Clostridium_perfringens') ?>>
Clostridium_perfringens</option>
<option value="Listeria_monocytogenes" <?
php echo set_select('microorganism', '
Listeria_monocytogenes') ?>>Listeria
monocytogenes</option>
<option value="Salmonella" <?php echo
set_select('microorganism', 'Salmonella
') ?>>Salmonella spp.</option>
<option value="Yersinia_enterocolitica" <?
php echo set_select('microorganism', '
Yersinia_enterocolitica') ?>>Yersinia
enterocolitica</option>
</select>
</div>
<div style="margin-top: 150px;">
<div class="row">
<div class="col-lg-12 col-lg-12 col-lg-12 offset-4">
<button type="submit" class="btn btn-
primary"><span class="glyphicon glyphicon-
refresh"></span></button>
</div>
</div>
</div>
</form>
</div>
<!-- /.sidebar-collapse -->
</div>
</script>

```

```

$(document).ready(function() {
if (localStorage) {
if (localStorage.getItem('hideIt')==='true')
{
$("#age").hide();
$("#sex").hide();
}
if (localStorage.getItem('hideIt')==='false')
{
$("#age").show();
$("#sex").show();
}
}
});
$("#sourcesform").change(function () {
var source = this.value;
if (source=="human") {
$("#age").show(500);
$("#sex").show(500);
localStorage.setItem('hideIt', 'false');
} else {
$("#age").hide(500);
$("#sex").hide(500);
$("#ageform").val("");
$("#sexform").val("");
var age = $("#ageform").val();
var sex = $("#sexform").val();
localStorage.setItem('hideIt', 'true');
}
});
</script>

```

thread_page.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12"><h1 class="page-
header">Forum</h1></div>
</div>
<div class="row">
<div class="col-lg-12">
<div class="panel-body">
<h3><?php echo $thread['topic'];?></h3>
<h6>Posted by:<a> <?php echo $thread['
owner'];?></a> <small><i><?php echo
$thread['dateTime'];?></i></small> </
h6>
<?php if(isset($comment)){ ?>
<?php foreach ($comment as $key => $value)
: ?>
<div class="panel-panel-default" style="
margin-top: 10px;">
<div class="panel-heading">
<?php echo $value['owner'];?>&nbsp;<small><
i><?php echo $value['dateTime'];?></i>
</small>
<?php if($user['username']==$value['owner']
){?>
<a class="pull-right" href=" ../
deleteComment/<?php echo $value['
comment.ID'];?>"><span class="
glyphicon glyphicon-trash"></span></a>
<?php }?>
</div>
<div class="panel-body">
<?php echo $value['comment'];?>

```

```

</div>
</div>
</div>
<?php endforeach ?>
<?php }?>
<div class="panel-panel-default" style="
margin-left: 30px; margin-top: 10px;">
<div class="panel-heading">
Comment as: <?php echo $user['username']
];?>
</div>
<div class="panel-body">
<?php echo form_open('../forum/addComment/
'.$thread['thread_ID']);?>
<form role="form">
<div class="form-group">
Reply:<br/><br/>
<textarea name="comment" class="form-
control" rows="5" id="reply" <?php if(
$user['role']==0){echo $user['role']
];?> disabled="disabled" <?php }?></
textarea>
</div>
<button type="submit" class="btn btn-
default pull-right">Post</button>
</form>
</div>
</div>
</div>
</div>
</div>
</div>

```

user_accounts.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12"><h1 class="page-
header">User Accounts</h1></div>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a class="btn btn-default btn-lg" href=" /
ifgis/userCredentials">User
Credentials</a>
<a class="btn btn-default btn-lg active"
href=" /ifgis/userAccounts">User
Accounts</a>
</p>
<div class="panel-body">
<div class="dataTable_wrapper">
<table id="myTable" class="table table-
border hover" id="dataTables-example">
<thead>
<tr>
<th>Name</th>
<th>Username</th>
<th>Locked Status</th>
<th>Role</th>
</tr>
</thead>

```



```
|  |  |
| --- | --- |
| <?php foreach ($subordinates as $key => $value): ?>                 <tr id="<?php echo $value['user_ID'];_?>">                 <td><a data-toggle="modal" href="#myModal" >?php echo $value['lastname'].", ". $value['firstname']; ?></a>                 <div class="modal_fade" id="myModal<?php echo $key;?>" role="dialog">                 <div class="modal-dialog">                 <div class="modal-content">                 <div class="modal-header">                 <button type="button" class="close" data-dismiss="modal">&times;</button>                 <h3 class="modal-title"><?php echo $value['lastname'].", ". $value['firstname']; ?></h3>                 </div>                 <small>                 <div class="modal-body">                 <div class="row">                 <div class="col-lg-4_col-lg-offset-10">                 <?php if ($value['locked_status']=='yes') {?>                 <a class="btn btn-default _btn-sm" href=" ../ ifgis /enableUser/<?php echo $value['user_ID'];?>">Enable&nbsp;&nbsp;&nbsp;<span class="glyphicon glyphicon-thumbs-up"></span></a>                 <?php } else { ?>                 <a class="btn btn-default _btn-sm" href=" ../ ifgis /disableUser/<?php echo $value['user_ID'];?>">Disable&nbsp;&nbsp;&nbsp;<span class="glyphicon glyphicon-thumbs-down"></span></a>                 <?php } ?>                 </div>                 </div>                 <div class="row">                 <div class="col-lg-3">                 <label>Username:</label>                 <div class="col-lg-9">                 <?php echo $value['username']; ?>                 </div>                 </div>                 <div class="row">                 <div class="col-lg-3">                 <label>Role:</label>                 </div>                 <div class="col-lg-9">                 <?php echo $value['role']; ?>                 </div>                 </div>                 <div class="row">                 <div class="col-lg-3">                 <label>E-mail Address:</label>                 </div>                 <div class="col-lg-9">                 <?php echo $value['email']; ?>                 </div>                 </div>             </td>  </div>                 </small>                 <div class="modal-footer">                 <button type="button" class="btn btn-default" data-dismiss="modal">Close</button>                 </div>                 </div>                 </div>                 </td><?php echo $value['username']; ?></a>                 <td><?php echo $value['locked_status']; ?></td>                 <td><?php echo $value['role']; ?></td>             </tr>             <?php endforeach ?>         </tbody>     </table>     </div>     </script>     $(document).ready(function() {         var table = $('#myTable').DataTable();         $('#myTable-tbody').on('click', 'tr', function () {             $(this).toggleClass('selected');         });         $('#button').click(function() {             var newHTML = [];             var selectedRows = table.rows('.selected').ids().toArray();             if(selectedRows.length <= 0){                 newHTML.push('No patients were selected.')             };             $('#confirmButton').css({"visibility": "hidden"});         } else {             $('#confirmButton').css({"visibility": "visible"});             newHTML.push('<input type="hidden" value="');             for (var i = 0; i < selectedRows.length; i++) {                 newHTML.push(selectedRows[i]);                 newHTML.push(' ');             }             newHTML.pop();             newHTML.push('" name="row"></input>');             newHTML.push('Do you want to enable the selected user account(s)?');         }         $('#writehere').html(newHTML.join(""));     });     </script> | |

```

user_credentials.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12"><h1 class="page-header">User Credentials</h1></div>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a class="btn btn-default _btn-lg_active" href="/ifgis/userCredentials">User Credentials</a>
<a class="btn btn-default _btn-lg" href="/ifgis/userAccounts">User Accounts</a>
</p>
</div>
</div>
<?php if (isset($success)) { ?>
<div class="col-lg-6_col-lg-offset-3">
<p class="alert alert-success" role="alert" style="visibility: visible;">
<span class="glyphicon glyphicon-ok"></span>
Account info edited!
</p>
</div>
<?php } ?>
<div class="row">
<div class="col-lg-8_col-lg-offset-2">
<div class="panel-body">
<div class="panel-default">
<div class="panel-heading">
<h2><?php echo $user['lastname'].", ". $user['firstname']; ?></h2>
</div>
<div class="panel-body">
<h5 class="pull-left">Username: </h6><span class="pull-right"><?php echo $user['username']; ?></span><br/>
<hr>
<h5 class="pull-left">E-mail Address: </h6><span class="pull-right"><?php echo $user['email']; ?></span><br/>
<hr>
<h5 class="pull-left">Role: </h6><span class="pull-right">
<?php if ($user['role']=='bhw') {
echo "Barangay Health Worker - ". $user['stringaddr_barangay'].", ". $user['stringaddr_citymuni'].", ". $user['stringaddr_province'];
} elseif ($user['role']=='cmhw') {
echo "City/Municipality Health Worker - ".

```

```

        $user['stringaddr_citymuni'],' ','.'
        $user['stringaddr_province'];
    }elseif($user['role']=='phw'){
    echo "Provincial_Health_worker_". $user['
    stringaddr_province'];
    }else{
    echo $user['role'];
    }
    }>
</span><br/>
<hr>
<h5 class="pull-left">Supervisor: </h5><
span class="pull-right"><?php echo
    $supervisor['username']; ?></span><br
    />
<hr>

```

```

<a class="btn btn-default btn-sm" href="
    ../ifgis/editUserDetails"><span class=
    "glyphicon glyphicon-pencil"></span>&
    nbsp;Edit Info </a>&nbsp;
<a class="btn btn-default btn-sm" href="
    ../ifgis/changePassword"><span class="
    glyphicon glyphicon-lock"></span>&nbsp;
    ;Change Password</a>
</div>
</div>
</div>
</div>
</div>
</div>
</div>

```

user_registration.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12"><h1 class="page-
header">Create an Account</h1></div>
</div>
<div class="row">
<div class="col-lg-12">
<div class="panel panel-default">
<div class="panel-heading">
</div>
<?php echo form_open('register'); ?>
<div class="panel-body">
<div class="row">
<div class="col-lg-6">
<form role="form">
<h2>Basic Details</h2>
<br/>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>First Name:</label>
<input name="firstname" class="form-
control" value="<?php echo _set_value('
firstname')?>">
<span style="color:#c09853">
<?php echo form_error('firstname'); //
    print error prompt if input was
    invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Last Name:</label>
<input name="lastname" class="form-control
" value="<?php echo _set_value('
lastname')?>">
<span style="color:#c09853">
<?php echo form_error('lastname'); //
    print error prompt if input was
    invalid?>
</span>
</div>
</div>
</div>
<div class="form-group">
<label>E-mail address:</label>
<input name="email" class="form-control"
value="<?php echo _set_value('email')?>
">
<span style="color:#c09853">
<?php echo form_error('email'); // print
    error prompt if input was invalid?>
</span>
</div>
</div>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label>Institution & Role:</label>
<select id="institution" name="institution"
class="form-control" onchange="
    disableEnable()">
<option value="">— Select institution &
    role --</option>
<option value="bhw" <?php echo set-select(
    'institution','bhw') ?>>DOH Health
    Worker - Barangay</option>
<option value="cmhw" <?php echo set-select
    ('institution','cmhw') ?>>DOH Health
    Worker - City/Municipality</option>
<option value="phw" <?php echo set-select(
    'institution','phw') ?>>DOH Health
    Worker - Provincial</option>
<option value="fda" <?php echo set-select(
    'institution','fda') ?>>FDA Field

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Wokrer</option>
<option value="bai" <?php echo set-select(
    'institution','bai') ?>>BAI Field
    Worker</option>
<option value="nmis" <?php echo set-select
    ('institution','nmis') ?>>NMIS Field
    Worker</option>
<option value="bfar" <?php echo set-select
    ('institution','bfar') ?>>BFAR Field
    Worker</option>
<option value="bpi" <?php echo set-select(
    'institution','bpi') ?>>BPI Field
    Worker</option>
<option value="nda" <?php echo set-select(
    'institution','nda') ?>>NDA Field
    Worker</option>
<option value="nrl" <?php echo set-select(
    'institution','nrl') ?>>NRL Field
    Worker</option>
<option value="nec" <?php echo set-select(
    'institution','nec') ?>>DOH National
    Epidemiological Center</option>
</select>
<span style="color:#c09853">
<?php echo form_error('institution'); //
    print error prompt if input was
    invalid?>
</span>
</div>
</div>
</div>
<div class="col-lg-6">
<div class="form-group">
<label>Supervisor's Username:</label>
<input name="svusername" class="form-
control" value="<?php echo _set_value('
svusername')?>">
<span style="color:#c09853">
<?php echo form_error('svusername'); //
    print error prompt if input was
    invalid?>
</span>
</div>
</div>
</div>
<label>Address:</label>
<div class="row">
<div class="col-lg-6">
<div class="form-group">
<label for="disabledSelect">Region</label>
<select id="regionfield" name="addr_region
" class="form-control">
<option></option>
<option value="13" <?php if (isset($output[
    'stringaddr_region']) && _$output[
    'stringaddr_region']==='13'){echo _
    selected";} else {echo _set-select('
    addr_region','13'); } _?>>NCR</option>
<option value="14" <?php if (isset($output[
    'stringaddr_region']) && _$output[
    'stringaddr_region']==='14'){echo _
    selected";} else {echo _set-select('
    addr_region','14'); } _?>>CAR</option>
<option value="1" <?php if (isset($output[
    'stringaddr_region']) && _$output[
    'stringaddr_region']==='1'){echo _
    selected";} else {echo _set-select('
    addr_region','1'); } _?>>Iloilo -
    Region</option>
<option value="2" <?php if (isset($output[
    'stringaddr_region']) && _$output[
    'stringaddr_region']==='2'){echo _
    selected";} else {echo _set-select('

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        addr_region', '2'); } -?>>II -- Cagayan Valley </option>
<option _value="3" -<?php_if (isset ($output [ '
stringaddr_region ']) && $output [ '
stringaddr_region ']== '3') {echo -
selected ";} else {echo_set_select ( '
addr_region', '3'); } -?>>III -- Central Luzon </option>
<option _value="4" -<?php_if (isset ($output [ '
stringaddr_region ']) && $output [ '
stringaddr_region ']== '4') {echo -
selected ";} else {echo_set_select ( '
addr_region', '4'); } -?>>IVA -- CALABARZON </option>
<option _value="17" -<?php_if (isset ($output [ '
stringaddr_region ']) && $output [ '
stringaddr_region ']== '17') {echo -
selected ";} else {echo_set_select ( '
addr_region', '17'); } -?>>IVB -- MIMAROPA </option>
<option _value="5" -<?php_if (isset ($output [ '
stringaddr_region ']) && $output [ '
stringaddr_region ']== '5') {echo -
selected ";} else {echo_set_select ( '
addr_region', '5'); } -?>>V -- Bicol Region </option>
<option _value="6" -<?php_if (isset ($output [ '
stringaddr_region ']) && $output [ '
stringaddr_region ']== '6') {echo -
selected ";} else {echo_set_select ( '
addr_region', '6'); } -?>>VI -- Western Visayas </option>
<option _value="7" -<?php_if (isset ($output [ '
stringaddr_region ']) && $output [ '
stringaddr_region ']== '7') {echo -
selected ";} else {echo_set_select ( '
addr_region', '7'); } -?>>VII -- Central Visayas </option>
<option _value="8" -<?php_if (isset ($output [ '
stringaddr_region ']) && $output [ '
stringaddr_region ']== '8') {echo -
selected ";} else {echo_set_select ( '
addr_region', '8'); } -?>>VIII -- Eastern Visayas </option>
<option _value="9" -<?php_if (isset ($output [ '
stringaddr_region ']) && $output [ '
stringaddr_region ']== '9') {echo -
selected ";} else {echo_set_select ( '
addr_region', '9'); } -?>>IX -- Zamboanga Peninsula </option>
<option _value="10" -<?php_if (isset ($output [ '
stringaddr_region ']) && $output [ '
stringaddr_region ']== '10') {echo -
selected ";} else {echo_set_select ( '
addr_region', '10'); } -?>>X -- Northern Mindanao </option>
<option _value="11" -<?php_if (isset ($output [ '
stringaddr_region ']) && $output [ '
stringaddr_region ']== '11') {echo -
selected ";} else {echo_set_select ( '
addr_region', '11'); } -?>>XI -- Davao Region </option>
<option _value="12" -<?php_if (isset ($output [ '
stringaddr_region ']) && $output [ '
stringaddr_region ']== '12') {echo -
selected ";} else {echo_set_select ( '
addr_region', '12'); } -?>>XII -- SOCKSARGEN </option>
<option _value="16" -<?php_if (isset ($output [ '
stringaddr_region ']) && $output [ '
stringaddr_region ']== '16') {echo -
selected ";} else {echo_set_select ( '
addr_region', '16'); } -?>>XIII -- CARAGA </option>
<option _value="15" -<?php_if (isset ($output [ '
stringaddr_region ']) && $output [ '
stringaddr_region ']== '15') {echo -
selected ";} else {echo_set_select ( '
addr_region', '15'); } -?>>ARMM </option>
</select>
<span _style="color:#c09853">
<?php_echo_form_error ( 'addr_region'); -//-
print_error_prompt_if_input_was_
invalid?>
</span>
</div>
</div>
<div _class="col-lg-6">
<div _class="form-group">
<label _for="disabledSelect">Province </
label>
<input _id="provfield" _name="addr_province"
_class="form-control" _value="<?php_if
(isset ($output [ 'stringaddr_province '])
){echo $output [ 'stringaddr_province '
];} else {echo_set_value ( 'addr_province',

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) ;?>">
<span _style="color:#c09853">
<?php_echo_form_error ( 'addr_province'); -//-
print_error_prompt_if_input_was_
invalid?>
</span>
</div>
</div>
<div _class="row">
<div _class="col-lg-6">
<div _class="form-group">
<label _for="disabledSelect">City /
Municipality </label>
<input _id="munifield" _name="addr_citymuni"
_class="form-control" _value="<?php_if
(isset ($output [ 'stringaddr_citymuni '])
){echo $output [ 'stringaddr_citymuni '
];} else {echo_set_value ( 'addr_citymuni',
);} ?>">
<span _style="color:#c09853">
<?php_echo_form_error ( 'addr_citymuni'); -//-
print_error_prompt_if_input_was_
invalid?>
</span>
</div>
</div>
<div _class="col-lg-6">
<div _class="form-group">
<label _for="disabledSelect">Barangay </
label>
<input _id="barangayfield" _name="
addr_barangay" _class="form-control" _
value="<?php_if (isset ($output [ '
stringaddr_barangay ']) ) {echo $output [ '
stringaddr_barangay '];} else {echo_
set_value ( 'addr_barangay');} ?>">
<span _style="color:#c09853">
<?php_echo_form_error ( 'addr_barangay'); -//-
print_error_prompt_if_input_was_
invalid?>
</span>
</div>
</div>
</div>
<div _class="col-lg-6">
<h2>Account Credentials </h2><br/>
<div _class="row">
<div _class="col-lg-6">
<div _class="form-group">
<label>Username: * </label>
<input _name="username" _class="form-control"
_value="<?php_echo_set_value ( '
username') ?>">
<span _style="color:#c09853">
<?php_echo_form_error ( 'username'); -//-
print_error_prompt_if_input_was_
invalid?>
</span>
</div>
</div>
</div>
<div _class="row">
<div _class="col-lg-6">
<div _class="form-group">
<label>Password: * </label>
<input _name="password" _type="password" _
class="form-control" _value="<?php_echo
_set_value ( 'password') ?>">
<span _style="color:#c09853">
<?php_echo_form_error ( 'password'); -//-
print_error_prompt_if_input_was_
invalid?>
</span>
</div>
</div>
</div>
<div _class="row">
<div _class="col-lg-6">
<div _class="form-group">
<label>Confirm Password: * </label>
<input _name="conf_password" _type="password"
_class="form-control" _value="<?php_
echo_set_value ( 'password') ?>">
<span _style="color:#c09853">
<?php_echo_form_error ( 'conf_password'); -//-
print_error_prompt_if_input_was_
invalid?>
</span>
</div>
</div>
</div>
<label>Captcha: * </label>
<?php_echo_ $this->recaptcha->render (); -?>
</div>
</div>
</div>
<div _class="row">
<div _class="col-lg-6">

```

```

<button_type="submit" _class="btn btn-
default _pull-right">Submit</button>
</div>
<div _class="col-lg-6">
<button_type="reset" _class="btn btn-
default _pull-left">Reset</button>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<script>
function_disableEnable(){
var_e=_document.getElementById("
institution");
var_strUser=_e.options[e.selectedIndex].
value;
if(strUser=='bhw'){
document.getElementById("regionfield").
disabled=false;
document.getElementById("provfield").
disabled=false;
document.getElementById("munifield").
disabled=false;
document.getElementById("barangayfield").
disabled=false;
}
else_if(strUser=='cmhw'){
document.getElementById("regionfield").
disabled=false;
document.getElementById("provfield").
disabled=false;
document.getElementById("munifield").
disabled=true;
document.getElementById("barangayfield").
disabled=true;
}
else{
document.getElementById("regionfield").
disabled=true;
document.getElementById("provfield").
disabled=true;
document.getElementById("munifield").
disabled=true;
document.getElementById("barangayfield").
disabled=true;
}
}
}
</script>

```

water_view.php

```

<div class="container">
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Water Samples
<?php if($role=='nrl'){ ?>
<a href="/ifgis/addSample/water" class="
btn btn-md btn-primary _pull-right"
role="button"><i class="glyphicon _
glyphicon-plus"></i>Add Sample</a>
<?php }?>
</h1>
</div>
</div>
</div>
<?php if($role=='nrl'||$role=='nec'){ ?>
<div class="row">
<?php if(isset($successedit)){ ?>
<div class="col-lg-6_col-lg-offset-3">
<p class="alert _alert-success" role="alert"
" style="visibility: visible;">
<span class="glyphicon _glyphicon-ok"></
span>
Test data was successfully edited!
</p>
</div>
</div>
<?php }elseif(isset($successvoid)){ ?>
<div class="col-lg-6_col-lg-offset-3">
<p class="alert _alert-warning" role="alert"
" style="visibility: visible;">
<span class="glyphicon _glyphicon-ok"></
span>
Test data was sent back to its previous
owner for review
</p>
</div>
</div>
</div>
</div>
<div class="row">
<div class="col-lg-12">
<p>
<a active class="btn btn-default btn-lg _
active" href="/ifgis/samples/water">
IFGIS Records &raquo;</a>
<a class="btn btn-default btn-lg" href="/
ifgis/mySamplesReview/water">My
Records &raquo;</a>
</p>
<div class="panel _panel-default">
<div class="panel-heading">&nbsp;&nbsp;&nbsp;</div>
<div class="panel-body">
<div class="dataTable_wrapper">
<table id="myTable" class="table _table-
striped _table-bordered _table-hover" id
="dataTables-example">
<thead>
<tr>
<th>Sample ID</th>
<th>Sampling Point</th>
<th>Source of Water Supply</th>
<th>Water Treated?</th>
<th>Test Date</th>
<th>Collected at <i><small>(Address)</

```

```

<div class="row">
<div class="col-lg-3">
<label>Collection Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['collection_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Collected at:</label>
</div>
<div class="col-lg-9">
<?php echo $value['complete_address']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Type of Ownership:</label>
</div>
<div class="col-lg-9">
<?php echo $value['w_ownership']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Water Treated?:</label>
</div>
<div class="col-lg-9">
<?php echo $value['w_treated']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Test Date:</label>
</div>
<div class="col-lg-9">
<?php echo $value['test_date']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Tested By:</label>
</div>
<div class="col-lg-9">
<?php echo $value['tested_by']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
<label>Microorganism</label>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism']; ?>
</div>
</div>
<div class="row">
<div class="col-lg-3">
</div>
<div class="col-lg-9">
<label>Microorganism Count:</label>
</div>
</div>
<div class="col-lg-9">
<?php echo $value['microorganism_count']; ?>
</div>
</div>
</p>
</small>
</div>
<div class="modal-footer alert alert-info"
>
<span class="pull-left">
By: <?php echo $value['originalOwner']
];?></span>
<button type="button" class="btn btn-
default" data-dismiss="modal">Close</
button>
</div>
</div>
</div>
</div>
</div>
</td><?php echo $value['w_source']; ?></td>
<td><?php echo $value['w_treated']; ?></td
>
<td><?php echo $value['test_date']; ?></td
>
<td><?php echo $value['complete_address'];
?></td>
<td><?php echo $value['microorganism'];
?></td>
</tr>
<?php }?>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
<?php } else { ?>
<div class="row">
<div class="col-lg-12">
<div class="panel panel-default">
<div class="panel-heading">
You're not authorized to view this.
</div>
</div>
</div>
</div>
</div>
</div>
<?php }-?>
</div>
</div>
</div>
</div>

```

XI. Acknowledgement

Ever since the start of this SP-adventure, I was already looking forward to writing the acknowledgment part. However, I don't have the luxury of time to write this in the best way, but here it goes.

First of all, I would like to thank the Lord for guiding me along the way, and blessing me with miracles every day. I offer all of this to You.

To my ever-supportive family, who turns off their favorite TV shows when I'm working, and encourages me to finish this, thank you.

To Dr. Cecile Magturo and other authorities that helped me along the way with my topic, thank you and sorry for disturbing you.

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