UNIVERSITY OF THE PHILIPPINES MANILA

COLLEGE OF ARTS AND SCIENCES

DEPARTMENT OF PHYSICAL SCIENCES AND MATHEMATICS

LOCALIZED E-COMMERCE APPLICATION FOR UNIVERSITY OF THE PHILIPPINES MANILA (LEAF-UPM)

A special problem in partial fulfillment

of the requirements for the degree of

Bachelor of Science in Computer Science

Submitted by:

Harold James C. Decapia

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ACCEPTANCE SHEET

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i

Abstract

Many organizations or individuals at the University of the Philippines Manila (UP Manila) sell different types of products such as shirts, textbooks, tickets, etc. The only ways into which these sellers are able to advertise their products are by means of (1) posting some posters of these on bulletin boards, (2) posting posters of these on social media and (3) direct communication between the buyer and the seller. Because of this, certain problems are encountered by both buyers and sellers in terms of convenience, effort, awareness, customer and product management. Certain web applications have already been designed and implemented but none of these is localized; that is, for use only within the UP Manila campus. The goal of this project is to design and implement a localized web-based application which will centralize all product advertisements, all sellers and all buyers of products within UP Manila.

Keywords: E-Commerce, Buy and Sell, UP Manila, Information Systems

Contents

List of Figures

List of Tables

I.   Introduction

A.   Background of the Study

Nowadays, the Internet is not just used for finding information on the web or for social networking but also, it is used as a powerful tool for doing business online. This activity is known as Electronic Commerce (E-Commerce). E-Commerce is formally defined as the buying and selling of goods and services, or the transmitting of funds or data, over an electronic network, primarily the Internet [1]. Although, it means buying and selling of products over the internet, any transaction that is completed solely through electronic measures can also be considered E-Commerce [2]. This includes deals or trades which are done over the internet. The transactions occur by either consumer-consumer, business-business, business-consumer or consumer-business [1]. It is a powerful concept and process that has fundamentally changed the current of human life [3]. Because of E-Commerce, many companies, organizations or even individuals do their businesses more easily and more convenient since they are more connected to their customers and that interaction between them and their products is more manageable.

In the Philippines, E-Commerce is becoming a huge market which attracts a lot of customers [4]. Some of the most popular E-Commerce sites in the Philippines are the olx.com.ph and ayosdito.ph. These E-Commerce sites allow the general public to buy and sell or advertise products online. They just have to post an advertisement of their product, and if one customer got interested into the product, he/she will contact the seller to talk about the product and perhaps make a deal about the price.

In the local setting of the University of the Philippines Manila, many students especially those members of an organization are fond of selling different types of products such as clothes, tickets, books, gadgets, foods, etc. For example is the UP Manila Indayog Dance Varsity organization. It is an organization in the UP Manila campus whose members interests are all about the art of dancing. There

are times that they hold concerts (e.g. Sayaw Manila) so they have to sell a number of tickets to everyone who are interested into watching their performance. Another organization is the UPM-Shoot which is fond of selling UP Merchandise like shirts, bags, etc. These sellers have their own ways in advertising their products. That is, they advertise them by posting them on bulletin boards around the campus and/or posting them on social networking sites like facebook, twitter, etc. The problem with these methods is that the sellers are limited into publicizing the advertisement only to their facebook friends or only to those who got to see the posts. As for the buyers, the times into which they buy a product is only when they got to see a post. The abovementioned sites of E-Commerce can be used by UPM students in buying and selling their products. However, they might find it slow and difficult to find customers since their target market are members of the UPM community (students, faculty members, etc.). Also, it would be better if a totally different localized web application is used so that organizations can manage their products as well as to monitor the wants of their customers locally.

B. Statement of the Problem

Many organizations at the University of the Philippines Manila (UPM) make different types of customized products (e.g. T-shirts, Bags, etc.) for use mainly by their fellow UPM students. The only ways into which these organizations are able to advertise their products are by means of (1) posting some posters of these on bulletin boards, (2) posting posters of these on social media and (3) by person to person communication between the students. In connection with these, certain problems occur. These are as follows: (1) the sellers find it hard to track customers wants and opinions on social media; (2) the sellers do not necessarily inform the general public about the products they sell since they limit the posts only to those who got to see them (e.g. facebook friends) and (3) it is difficult for them to find specific customers who are interested in buying their products especially if the seller is an individual.

On the side of the buyers, the following problems can be observed: (1) the buyers find it difficult to look for specific products they want within UP Manila and for specific sellers who could provide them; (2) they are not informed or not always aware that a new product is being sold at UP Manila and (3) they are limited into products that they want to buy to only those which are available for buying.

C. Objectives of the Study

The research intends to produce a web-based application that will aid the buyers and the sellers of products within the UP Manila campus in buying and selling their products. There are three main types of users, (1) the Registered User, (2) the Unregistered User and (3) the System Administrator. The Registered User can assume the roles of being either a buyer or a seller. It can be an individual or an organization. The Unregistered User, on the other hand is the user of the system who has only the capability of browsing the available products in the system. He/She cannot buy the products. The System Administrator is the one responsible for managing the system as a whole. The following are the functionalities available for the users:

1. Registered User (as buyer)

    (a) Account and Profile Management

        i. View own profile information

        ii. Edit profile information

        iii. Edit login credentials (username and password)

    (b) User Management

        i. View all users

        ii. Search for users

        iii. View profile information of other users

iv. View products advertised of other users, if any

v. Rate a user (who the buyer has had transaction with) for credibility status

(c) Communication Management

i. Send a private message to other users

ii. See new messages

iii. View all conversations

(d) Products Management

i. View all products bought (Grid View, List View)

ii. Browse products advertised

A. Filter products by category

B. Filter products by date

C. Filter products by category and by date

iii. Buy or reserve for a product

iv. Request for a product

v. Search for a product

(e) Trades Management

i. View requested trades

ii. Request for a trade if a product can be traded

(f) Notifications Management

i. Receive notification about status of bought product(whether marked as CANCELLED or PAID)

ii. Receive notification about status of trade request(whether marked as CANCELLED or APPROVED)

iii. Receive notification if product request has been deleted

iv. View all notifications

2. Registered User (as seller)

   (a) Account and Profile Management

      i. View own profile information

      ii. Edit profile information

      iii. Edit login credentials (username and password)

   (b) User Management

      i. View all users

      ii. Search for users

      iii. View profile information of other users

      iv. View products advertised of other users, if any

      v. Report a seller to the System Administrator

   (c) Communication Management

      i. Send a private message to other users

      ii. See new messages

      iii. View all conversations

   (d) Products Management

      i. View all products sold (Grid View, List View)

      ii. View products advertised (Grid View, List View)

      iii. Advertise a product

      iv. Edit a product advertised

      v. Mark a sold product as either PAID or CANCELLED

   (e) Trades Management

      i. Decide whether a product advertised can be traded or not

      ii. View all trade requests

      iii. Accept or Reject a trade request

iv. Send a message to the buyer about the reason if the trade request has been rejected

(f) Notifications Management

i. Receive notification if a buyer bought a product

ii. Receive notification if a buyer requested for a trade

iii. Receive notification if a buyer rated him/her

iv. Receive notification if product has been deactivated/activated by the System Administrator

v. View all notifications

3. System Administrator

(a) Account and Profile Management

i. View own profile information

ii. Edit profile information

iii. Edit login credentials (username and password)

(b) User Management

i. Search for users

ii. View profile information of other users

iii. View products advertised of other users, if any

(c) Communication Management

i. Send a private message to other users

ii. See new messages

iii. View all conversations

(d) Account Requests Management

i. View account requests

ii. Accept or reject account requests

(e) Registered Accounts Management

    i. View registered accounts

    ii. Activate or deactivate registered account

(f) Product Categories Management

    i. View existing product categories

    ii. Add product category

    iii. Rename product category

(g) Products advertised Management

    i. View all products advertised

    ii. Activate or deactivate a product advertised

    iii. Send a message to the seller if a product has been deactivated

(h) Product Requests Management

    i. View all product requests (Grid View,List View)

    ii. Delete a product request

(i) Notifications Management

    i. Receive notification for a new account request

    ii. Receive notification for new product request

    iii. Receive notification for a new buyer report

    iv. Receive notification for a new feedback

    v. View all notifications

(j) View all feedbacks

4. Unregistered User

(a) Browse products advertised

    i. Filter products by category

    ii. Filter products by date

iii. Filter products by category and by date

(b) View details of a product advertised

(c) Search for a product

(d) Request for a product

(e) Receive email if product request has been deleted

(f) Register for an account

(g) Receive email about status of account requested (including username and password, if accepted)

(h) Send feedback

D. Significance of the Project

The web-based application will help both parties (the buyers and the sellers) into managing their products since the system will centralize all products, all buyers and all sellers within the UP Manila campus. Therefore, the products, the deals and the exchange of communication between the buyers and the sellers are more manageable.

The sellers are not necessarily an individual person. The sellers could be a group of people or an organization who are doing business inside the UP Manila campus by selling products. The web-based application will aid them into advertising their products and sell them as soon as possible. Moreover, the web-based application will help them know who their prospective buyers are and what products these buyers usually buy from them. Because of this, it can be said that they will be able to maximize their income.

The buyers, on the other hand will be aided by the system by a means of convenience and awareness. They need not browse social networking sites like facebook, twitter, etc. if their only reason is finding different kinds of merchandise such as UP shirts, tickets, bags, and others. They just have to look at the system and they will see the different products in the different product categories. The

need to look for a particular person or organization to buy a product will be addressed by the system. That is, they can buy anytime they want and anywhere they are as long as they have a device to access the system as well as an internet connection. Also, if the product they are looking for is not in the list of products in the system, they have the opportunity to request for it. If one seller can provide the product, the buyer can then buy it from him/her.

E.   Scope and Limitations

1. The system will not take into consideration the payments and billings of the bought items by the buyers.

2. The allowed users of the system are only members of the UP Manila community.

3. The products to be sold by the sellers need not be checked by the administrator.

4. The only means to view the product or to know how it looks like is by the images uploaded by the sellers.

F.   Assumptions

The following are the assumptions for the users of the web-based application:

1. If the seller marked a product as sold, it is assumed that he/she has received the payment from the buyer into whatever way they have chosen (ie. in person, credit card, etc.).

2. The users, as sellers, should update product information whenever a buyer bought their product/s in person. This should be done prior to giving the product to the buyer in person to avoid having buyers of a product which has already been sold.

II. Review of Related Literature

Electronic commerce (E-Commerce) is a powerful concept and process that has fundamentally changed the current of human life [3]. Many individuals and organizations have adopted the concept of E-Commerce in doing their businesses.

One good example of an E-Commerce website is the Ebay. Ebay is a multibillion dollar company based in the United States with different offices worldwide [5]. It is basically an online auction and shopping website. Anyone from the general public can register an account for free. After registration, he/she can then sell items he/she wants. However, doing this does not mean automatic earnings from the items to be sold since there are still a lot of factors to consider. For one is the sellers credibility and trust rating. The seller has to have positive feedback from previous sold products from previous buyers. In other words, the buyer has to be sure that the seller can be trusted and that the products are not fake. Another E-Commerce website example based in the Philippines is the OLX. OLX is accessible to the general public. Anyone can sell and buy items online since OLX offers free advertisement to anyone. But unlike Ebay, OLX has no feature which allows buyers to purchase directly through a third-party payment gateway like Paypal, which is the primary advantage of Ebay.

Aside from the known websites of Ebay and OLX, other researchers have also created and analyzed the E-Commerce websites.

Yeyin [6] designed and implemented a small web shop that can be used for online business. The main users of the system were buyers and sellers who could be anyone. The main purpose was to (1) allow any buyers of a product to buy a product or to shop at home by using a computer or any device that can access the internet and to (2) allow any seller of a product to sell his/her product without the huge amount of maintenance cost for the management and marketing in the real storefront.

The Web shop system that Yeyin has designed and implemented used ASP (Active Server Pages), HTML (Hyper Text Markup Language), VBScript, Javascript

for implementing and bases on Microsoft Access for handling the database. The system Yeyin designed was divided into two parts, the front-stage and back-stage management page. The functionalities for the front-stage management page consists of: (1) Browsing the products, (2) Checking the products, (3) Ordering of the items, (4) Viewing of the shopping cart and (5) Functionalities for user maintenance. On the other hand, the functionalities for the back-stage management page include: (1) Product management, (2) User management and (3) Order management.

From the functionalities of the two division of the system, we can say that the front-stage management page is for users who will browse or who will inquire about products. Obviously, these users are the buyers in the business process. Also, the back-stage management page is for users who will manage the products, orders and even the users. We can say that the users are the administrator or also, the sellers of the product.

After designing the system, Yeyin then compared some already existing systems like ebay. The author then analyzed and modified the system by following and resolving some real problems and needs from some online shops.

Another study is the one made by Pramsane [7]. He made a study about the design and implementation of an online shopping center. He created a website designed as an online shopping center. It is divided into two parts, the back end and the front end systems. The back end part is mainly for the use of a store owner. It provides facility for each store owner to edit and modify information about his/her store. The figure below shows the components of the back end system.

As we can see from the figure above, the back end part encompasses different modules which include product management, shop information management, web board management, shopping cart management, member management, promotion management, banner management, plaza management, poll management, currency management and article management. Moreover, in this part of the sys-
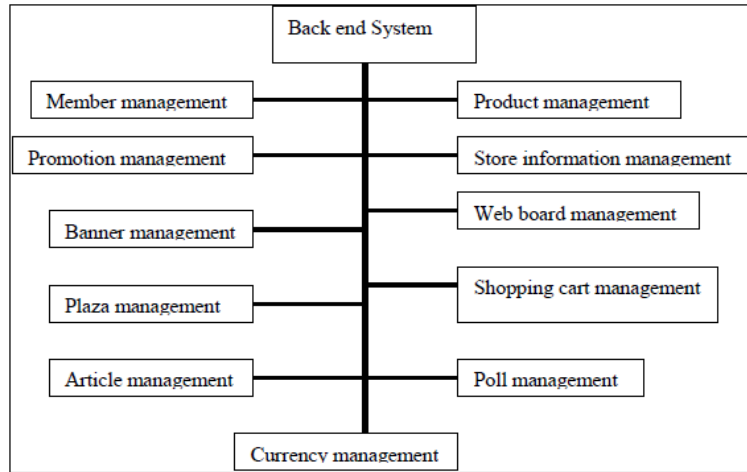
Figure 1: Back End system design of Pramsane's study

tem, the user can view and information which includes personal information as well as the store information

The second part of the system which Pramsane designed and implemented is the front end system. This part deals with the users who will buy from the online shop. The design of this part of the website is shown in the figure below.
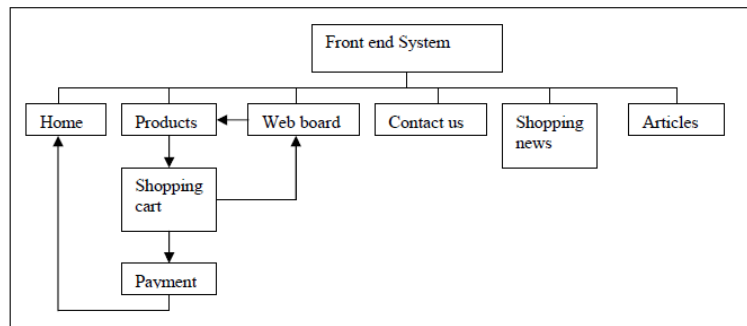
Figure 2: Front End system design of Pramsane's study

The front end part of the system was created by using templates to somehow expedite the design the loading processes. The main menu was consistent, making the website easy to use. Since the creation of the web site did not just deal with the software but also the hardware, Pramsane also analyzed the system in terms of technical performance. To obtain this, Pramsane utilized full options of both hardware and operating system software which led to the websites operation with low resource consumption even at its massive size. He further concluded that

his implementation of various techniques on web design together with database management and other additional services, the website he designed was responsive.

JunHua [8] also did a study by designing and implementing E-Commerce system based on the Web. As what any other E-Commerce website have, the basic features of the system include the buyer and the administrator or the seller. The users or buyers of the system can buy a product, inquire about a product, inquire about an order and order a product. On the other hand, the administrator or the seller is capable of merchandise management, order management and product management. Just like the other studies discussed, the system was divided into two parts which are the back-end database and the web site itself or the user interface. It was based on the structural design so the system can be developed further into being a more complex one in the future.

Another related research is the one made by Dhakal, et.al [9]. They made an Online Trading System for Nepal Stock Exchange (NEPSE) which helped to resolve many issues related to the capital market of Nepal which include insider trading, funds and securities shortage and cancellation of trade. In simple terms, they automated the process of trading goods or products and services to be used by the NEPSE.

Zhi Li, et.al [10] created a Jewelry Selling System. The system intended to help managers into effectively inputting jewelry information and also made buying jewelry online available to all customers since they could just access the website anytime they want as long as they have an Internet connection. The system was based on .NET MVC Framework which was designed and built on the visual studio 2010 development platform with SQL server 2008. The authors, prior to discussing the system , discussed the overall design of the system model by explaining the Model-View-Controller (MVC) Framework. The system was then been deployed in a jewelry company in the United States of America which proved that the system was stable, efficient and safe.

A research conducted by Sakurai, et. al [11] dealt with the creation of a sale-

oriented online-shop management support method. With this, online-shop owners would be able to efficiently and reliably construct attractive sale pages consistent with their database of products. What was good with the system was that the automatic construction and interactive update of DB for each sale of product group could be done consistently and dynamically which was synchronized with the sale. Some of the functionalities of the system include a product group name editing function, a retrieval function of products that belong to a group and a group attributes editing function for products.

Almost all of the websites designed and implemented which were mentioned above have the same major functionalities which include product management, store or shop management, customer management, etc. According to Purwati [12], the web interface is a major success indicator since customers interface with the sellers in the cyberspace through the sellers website. The lack of interface standard features within E-Commerce websites will make a company lose up to 50% of potential online sales because of the fact that the users cannot find what they want [12]. So as we can see, almost E-Commerce have almost the same kind of interface which include design elements like site navigation, home link, search, view cart, get help, manage account, catalogue and personalization functions. Because of this, it is recommended that a seller include the major functionalities to be used in E-Commerce websites in order to maximize the sellers earning potential.

Aside from web applications, mobile applications can also be used for E-Commerce. This is referred to as Mobile Commerce (M-Commerce). M-Commerce is defined as the subset of e-commerce, which includes all e-commerce transactions, carried out using a mobile (hand held) device [13]. This is because of the fact that using the mobile for E-Commerce transactions has the advantages and benefits of ubiquity, convenience, interactivity, personalization and localization [2]. Because of this, some applications have been created for M-Commerce.

Nugroho, et.al [14] designed and prototype a mobile marketing system for E-Commerce. The system implemented information personalization,privacy pro-

tection, up-to-date content, market targeting as well as social network.

Other M-Commerce applications are those made by Liu, et.al [15] and Alqah-tani, et.al [16]. Liu, et.al created a mobile based application of an online phone shop. The design and implementation was simple for the primary purpose of their study is to promote the use of M-Commerce. The same study was done by Alqah-tani, et.al. Their study focused on creating mobile-based E-Commerce application using Ruby on Rails.

E-Commerce created many benefits for companies and individuals. However, some disadvantages and serious problems stem from this issues. Nanehkaran [3] did a research about the advantages or benefits as well as the disadvantages of E-Commerce. He enumerated these and said that the advantages of using E-Commerce include (1) Being able to buy 24/7, (2) Decrease transaction costs, (3) Conduct business easily and (4) Being able to compare prices with other products. On the other hand, the disadvantages include (1) Security, (2) Low-speed data transfer on the Internet and (3) Difficulty of accessing websites on the internet. Nanekharan concluded that apart from all advantages, E-Commerce still has weaknesses as seen from the above table. However, these weaknesses will not be a big issue due to the increase of Internet users and the ease of access to the virtual world of the Internet. Nanekharan further said that E-Commerce will change the face of the world.

III.   Theoretical Framework

A.   University of the Philippines Manila

The University of the Philippines Manila (UP Manila) is a coeducational and public research university located in Manila, Philippines [17]. It is the oldest of the seven constituent universities of the University of the Philippines System. It was established on June 1908 at the Ermita-Padre Faura campus. It was also the day of the establishment of the University of the Philippines.

UP Manila is the Philippines center of health sciences education. It exercises administrative supervision over the Philippine General Hospital, the largest medical center and the national referral center for health in the Philippines. It consists of seven colleges, the College of Arts and Sciences (CAS), the college of Allied Medical Professions (CAMP), the College of Dentistry (CD), the College of Nursing (CN), the College of Medicine (CM), the College of Pharmacy (CPH) and the College of Public Health (CP). UP Manila is a reputable school of tertiary learning in the health sciences, with its colleges recognized as top performing in the board exams.

As of 2013, UP Manila houses 5,903 students, 3,881 of whom are Undergraduate Students and 2,022 of whom are doing Post Graduate studies. It also houses 1,228 academic staff as of 2013.

Currently, UP Manila does not have an E-Commerce application which manages buying and selling of products within the campus. The only ways into which buying and selling of products within the campus are done are by (1) posting product advertisements on social media; (2) posting product advertisementson bulletin boards around the campus and by (3) direct communication between the buyer and the seller of the product.

B. Electronic Commerce

Electronic Commerce (E-Commerce) is defined as the sharing of business information, maintaining business relationships and conducting business transactions by means of telecommunications networks [18]. It has five main types, namely, Business-to-Business (B2B), Business-to-Consumer (B2C), Consumer-to-Consumer (C2C), Peer-to-Peer (P2P) and Mobile Commerce (M-Commerce).

B2B E-Commerce is the largest type of E-Commerce in which businesses focus on selling to other business. The transactions here are usually carried out through Electronic Data Interchange (EDI). B2C E-Commerce is the type of E-Commerce in which online businesses attempt to reach individual consumers. C2C E-Commerce, on the other hand, provides a way for consumers to sell to each other, with the help of an online market maker. This type of e-commerce technology promotes the opportunity for consumers to transact goods or services to other consumers. P2P E-Commerce enables Internet users to share files and computer resources directly without having to go through a central web server. That is, no intermediary is required in peer-to-peers purest form. Lastly, M-Commerce refers to the use of wireless digital devices to enable transactions on the Web. Many types of transaction can be conducted by mobile consumers, including stock trade, in store price comparisons, banking, travel reservations and more.

C. Information System

An information system is defined as the software that helps organize and analyze data [19]. Its primary purpose is to turn raw data into useful information that can be used for decision making in an organization. There are five main components that an information system contains. These are as follows: (1) computer hardware such as processors, monitors, keyboard and printers; (2) the programs used to organized, process and analyze data called as software; (3) databases; (4) the different elements which are needed to be connected together, referred to as the network and (5) the procedures which describe how specific data are processed and

analyzed in order to get the answers or which the information system is designed.

D. Database Management System

Database Management System (DBMS) is a software package designed to define, manipulate, retrieve and manage data in a database [20]. A database is a collection of information that is organized so that it can easily be accessed, managed and updated [21]. Fourth generation query languages, such as SQL, are used along with the DBMS package to interact with a database. There are four main types of database organization, (1) relational database, (2) flat database, (3) object-oriented database and (4) hierarchical database [20].

In a relational database, data is organized as logically independent tables. The relationships among these tables are shown through shared data. The relational database organization is the most widely used system of database organization. In a flat database, data is organized in a single kind of record with a fixed number of fields. A flat database encounters more errors due to the repetitive nature of data. In an object oriented database, data is organized with similarity to object oriented programming concepts. An object consists of data and methods, while classes group objects having similar data and methods. Lastly, in a hierarchical database, data is organized with hierarchical relationships.

E. CodeIgniter

CodeIgniter is a free, open-source, easy-to-use, object-oriented PHP web application framework, providing a ready-to-use library to use with the developer's PHP applications [22]. One of these ready-to-use library is the Database API which makes it easier and more convenient to execute SQL queries such as SELECT, UPDATE, DELETE, INSERT, etc. without having to create a lot of repetitive codes.

CodeIgniter is object-oriented. Meaning, using CodeIgniter requires the knowledge or familiarity with the object oriented programming paradigm. Also, CodeIgniter

is based on the Model-View-Controller design pattern.

Model-View-Controller (MVC) is a design pattern for the architecture of web applications [23]. Its main purpose if to achieve a clean separation between three components of most any web application; that is, to assign an object in an application in one of three roles: model, view and controller [24].

The figure below summarizes the difference of the three roles [25].
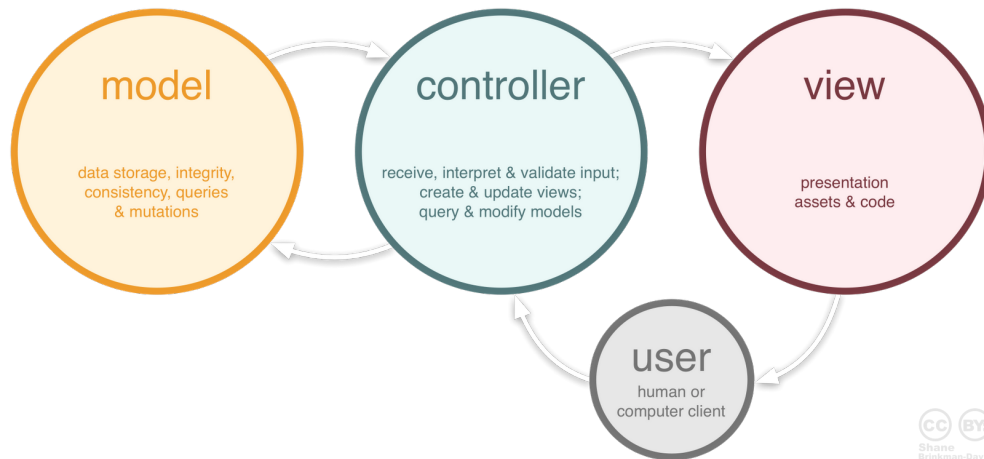

Figure 3: Model-View-Controller

The model typically handles data storage, integrity, consistency, queries and mutations. We can say that this component is the one responsible for persistence or for the managing the database. The view is for the user interface. It acts like a "presentation filter" [26]. The controller is the link between the user and the system [26]. It can communicate with either the model or the view.

Since MVC is about the separation of the model, view and the controller. It has some perceived benefits which talks about the separation of concerns in the database [23]. For one, MVC (1) allows re-use of business-logic across applications, (2) allows development of multiple User Interfaces (UI's) without touching business logic codebase and (3) discourages "cut and paste" repetition of code, streamlining upgrade and maintenance tasks.

19

IV. Design and Implementation

A. Context Diagram

The system has three access levels: the registered user, the unregistered user and the system administrator. The context diagram is shown in Figure 4.
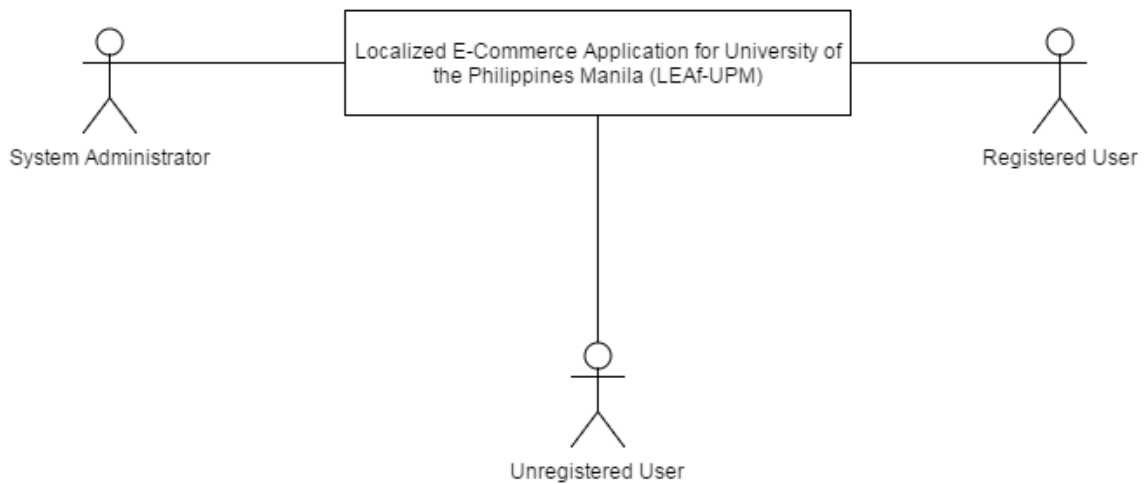

Figure 4: Context Diagram

B. Use Cases

The system consists of three main users: the registered user, the unregistered user and the system administrator. Figure 5 shows the top-level use case diagram of LEAf-UPM.

The registered user is the most important user of the system. He/she can assume the roles of being a buyer or a seller or both. The registered user has the most number of functionalities that can be used in the system. The unregistered user is the user who just wants to browse the products available for buying within the UP Manila campus. He/she can request for a product. The System Administrator is the one responsible for managing all registered users of the system, all account requests, all product categories and all products in the system.

The registered user can be a buyer or a seller or both. Assuming the role of a buyer, he/she can buy or reserve for a product, search for a product, request for
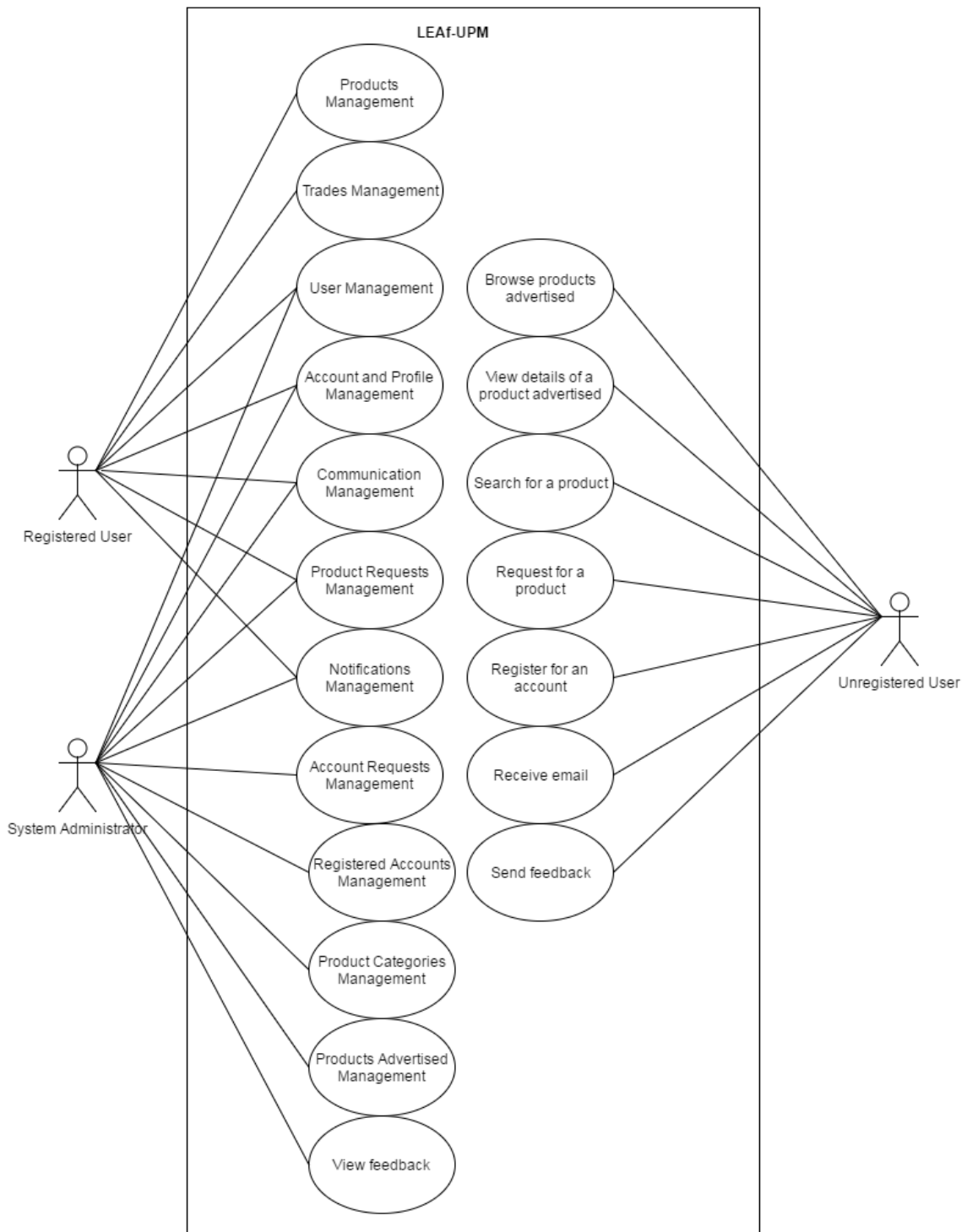
Figure 5: Top-level Use Case Diagram

a product, browse the products being advertised and view the products he/she bought. Assuming the role of a seller, he/she can advertise a product, edit the product advertised and view products sold. Figure 6 shows the use case diagram for the managing of products.
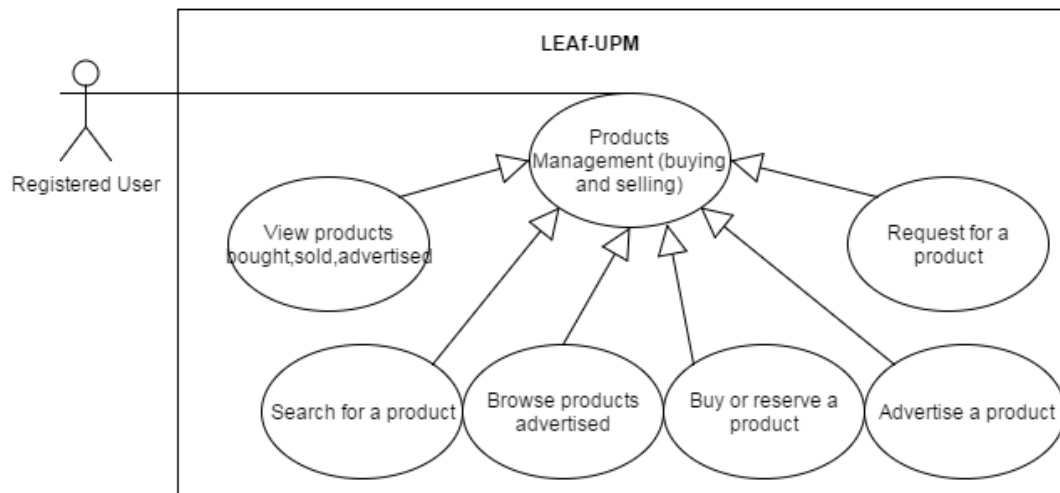
Figure 6: Products Management Use Case Diagram

If a seller decides that a product can be traded, any buyer can ask for trade requests. The seller can then decide whether to accept the trade request or not. If the trade request has been accepted, the product will be marked as sold, otherwise, it will still be available for buying by other buyers in the system. Figure 7 shows the use case diagram for managing trades.
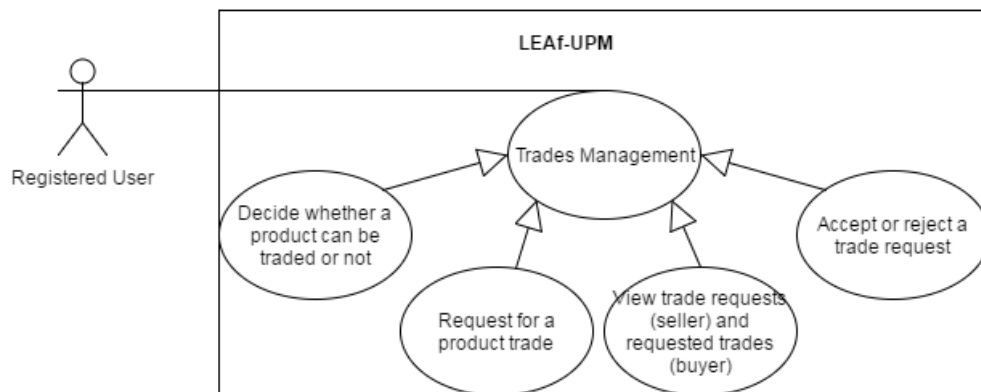

Figure 7: Trades Management Use Case Diagram

In order to make sure that the user of the system are only members of the UP Manila community, an unregistered user has to register for an account. It is the System Administrator's decision to whether accept or reject the account request. If the account request has been accepted, the user will receive an email regarding the username and password to be used in logging in the system for the first time. Figure 8 shows the use case diagram for managing account requests.
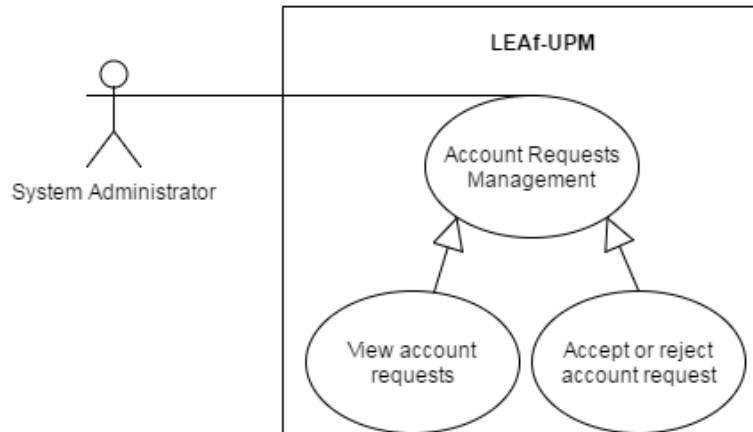
Figure 8: Account Requests Management Use Case Diagram

Only the System Administrator can manage the product categories. If a new product is to be sold and does not fall within the other product categories, the seller can just choose others. Product categories are useful for filtering the different products advertised as browsed by other users in the system. Figure 38 shows the use case diagram for managing of product categories.
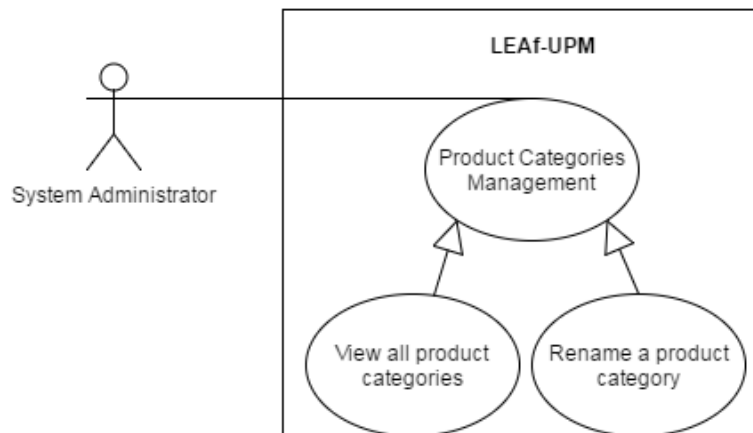

Figure 9: Product Categories Management Use Case Diagram

The System Administrator can view all products but cannot edit any product information in it. However, he can disable it. Disabling or temporarily deactivating a product will make the product hidden from the browse products module. Meaning, it cannot be advertised. This functionality is to handle cases where the product might be fake or is not suitable for selling or buying within the UP Manila campus as observed by the System Administrator. However, the System Administrator could still allow a product to be sold as justified by the seller. Figure 41

23

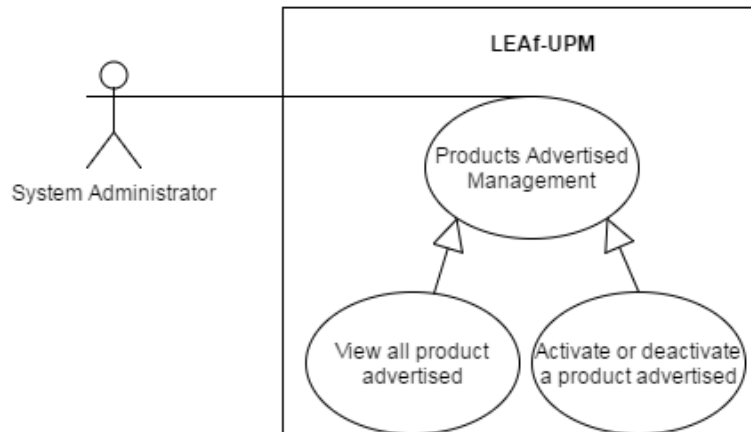shows the use case diagram for managing products advertised.

Figure 10: Products Advertised Management Use Case Diagram

The System Administrator has access to view all the registered users of the system. He/she cannot edit the information of the registered user but he/she can deactivate the account or re-activate the account. The purpose for deactivating the account is to manage cases in which the user is not a credible user. Meaning, he/she sells fake products or does not give the product/s sold to the buyer. Figure 35 shows the use case diagram for managing registered accounts.
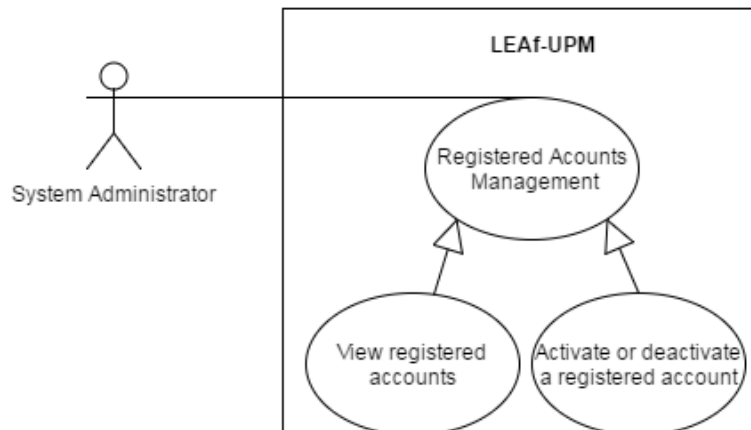

Figure 11: Registered Accounts Management Use Case Diagram

Both the Registered User and the System Administrator have access to the system. They just have to use their login credentials, their username and password, to enter the system. These two users have functionalities in common. For one, they can both view their profile and edit their profile information which includes

their login credentials. They can change their username as long as it is unique. Meaning, it has not been used by any users of the system yet. Figure

All registered users have access to the website. He/she just have to user the username and password that has been given to him/her. As a registered user, he/she can view his/her profile, edit some personal information and even change the username or the password as long as the username is unique. Figure 12 shows the use case diagram for managing account and profile information.
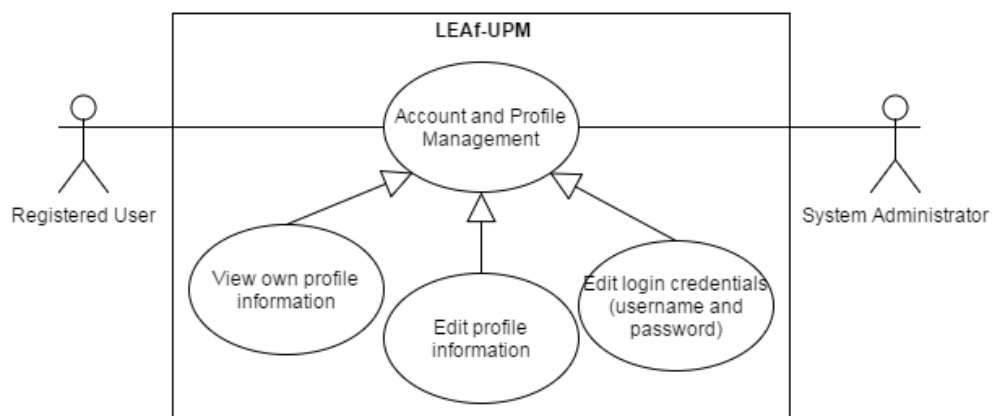

Figure 12: Account and Profile Management Use Case Diagram

The major objective of LEAf-UPM is to centralize all buyers and sellers of products into one system. One important functionality of LEAf-UPM is that it allows all registered users to communication with each other by means of a private message. Figure 13 shows the use case diagram for managing communications.
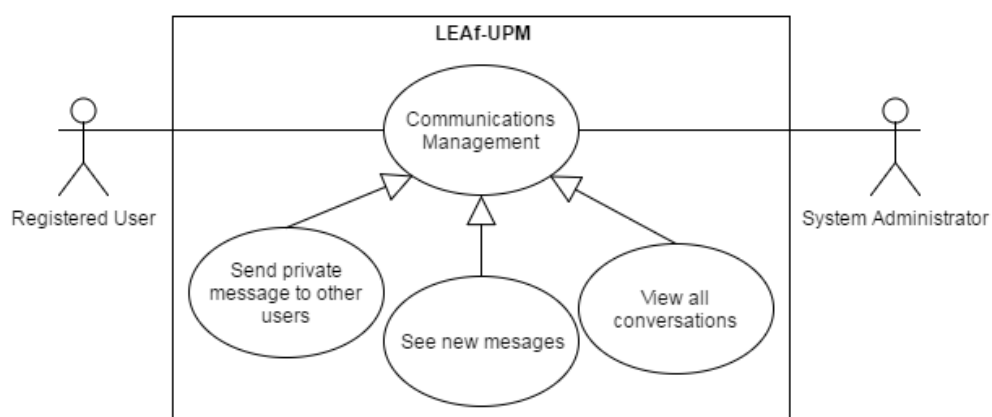

Figure 13: Communications Management Use Case Diagram

When handling products requests, both the System Administrator and the

Registered User can view all product requests. But only the System Administrator has the access to delete a product request. Deleting a product request handles cases wherein (1) the product request is impossible to be given by any of the sellers and (2) the product request has been in the system for quite a long time. The use case diagram for managing product requests shown in Figure 44.
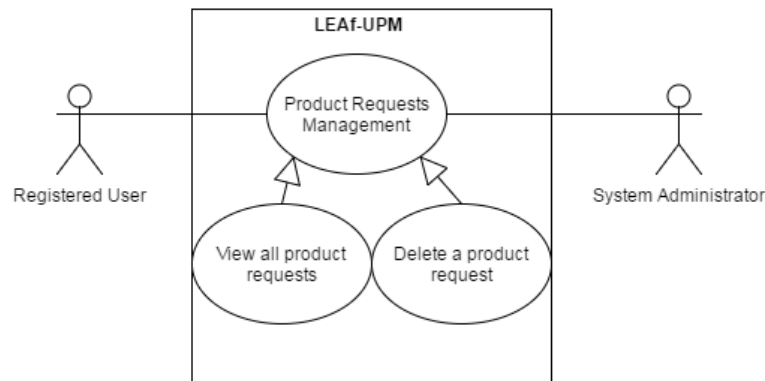

Figure 14: Product Requests Management Use Case Diagram

All product transactions, decisions and messages are sent as notifications to a user. This is important for the user to know what happens when he/she is logged out of the system. For instance, he/she will know if a buyer bought one of his/her products. Both the System Administrator and the Registered User receives and views notifications based on the type of notification. Figure 15 shows the use case diagram for managing notifications.
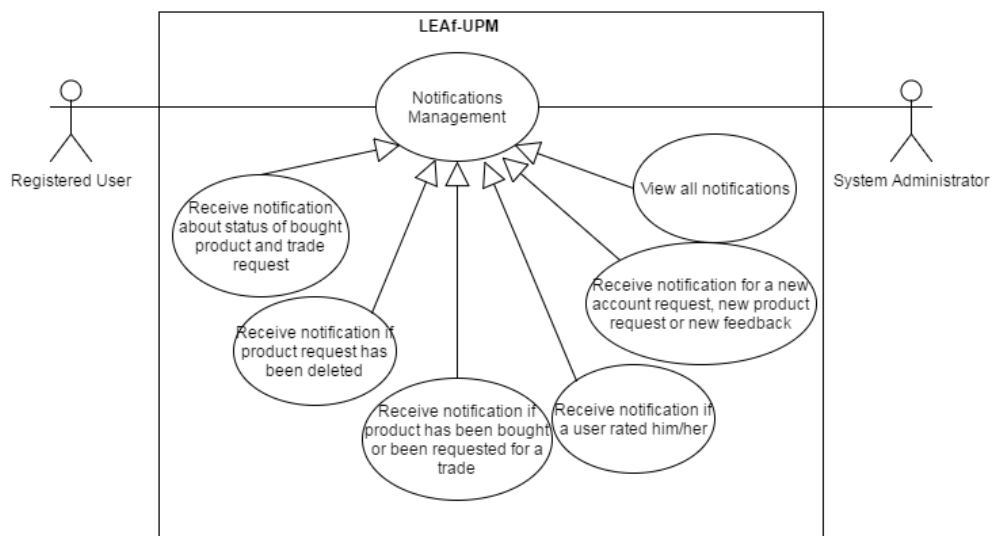

Figure 15: Notifications Management Use Case Diagram

C. Database Design

The figure below is the entity-relationship diagram of the Localized E-Commerce Application for UP Manila (LEAf-UPM).
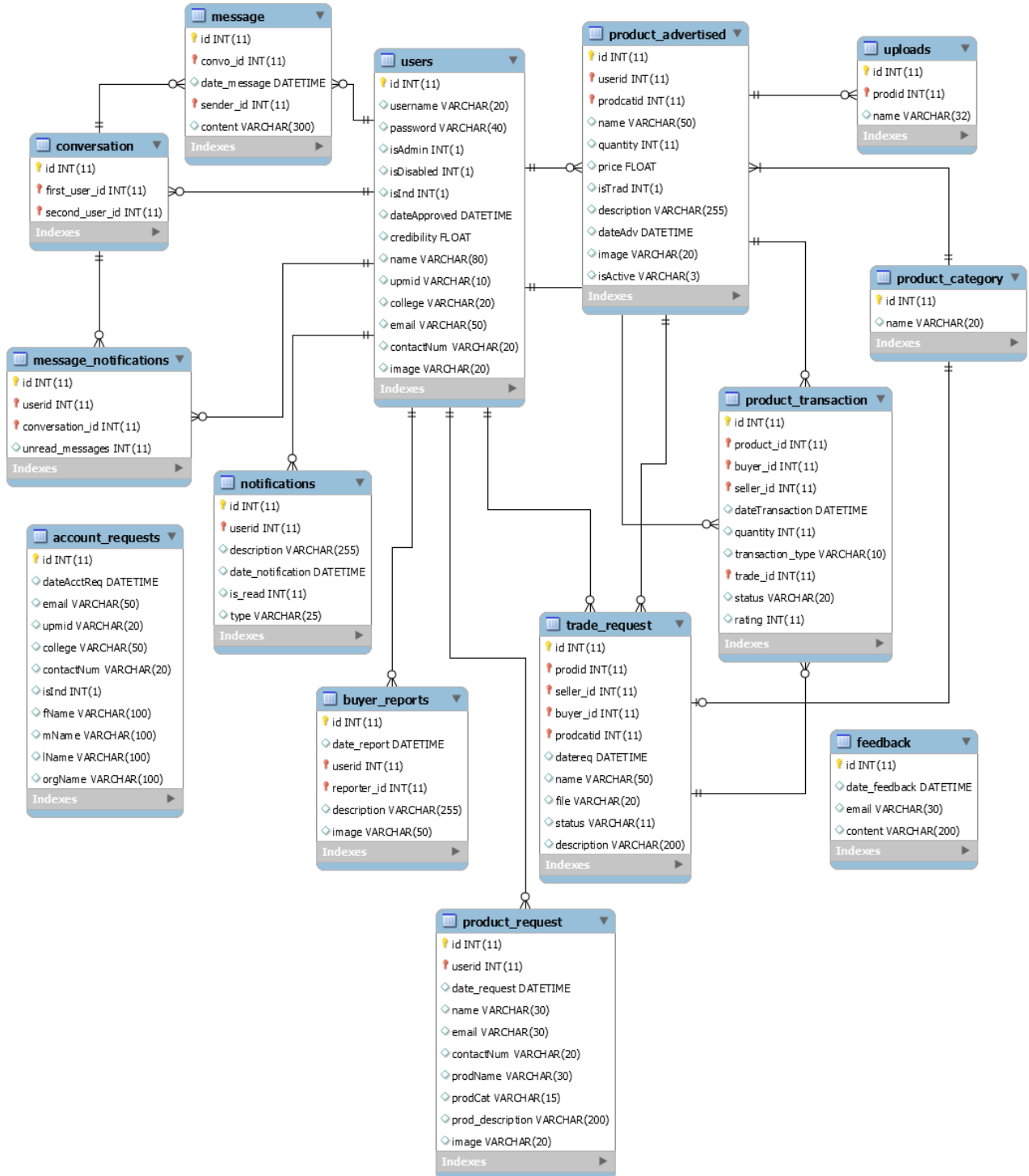

Figure 16: Entity Relationship Diagram

The following tables describe the columns of each tables in the entity-relationship diagram (ERD) of the Localized E-Commerce Application for UP Manila (LEAf-UPM)

Table 1: users table

Attribute	Data Type	Description
id	int(11)	unique id of the user
username	varchar(20)	unique username of the user
password	varchar(8)	password of the user
isAdmin	int(1)	determines if the user is an admin
isDisabled	int(1)	determines if the user account is disabled
isInd	int(1)	determines if the user is an individual
dateApproved	datetime	date and time the user account has been approved
credibility	float	credibility score of the user
name	varchar(80)	full name of the user
upmid	varchar(10)	UPM ID of the user (ie student number)
college	varchar(20)	college where the user belongs
email	varchar(50)	email address of the user
contactNum	varchar(20)	contact number of the user
image	varchar(20)	filename of the user's profile picture

Table 2: product_advertised table

Attribute	Data Type	Description
id	int(11)	unique id of the product
userid	int(11)	id of the seller of the product
prodcatid	int(11)	id of the product category where the product belongs
name	varchar(50)	name of the product
quantity	int(11)	quantity of the product
price	float	price of the product
isTrad	int(1)	determines if the product can be traded for other products
description	varchar(255)	brief description of the product
dateAdv	datetime	date and time the product has been advertised
image	varchar(20)	filename of the image of the product
isActive	varchar(3)	determines whether a product is active or not

Table 3: product_category table

Attribute	Data Type	Description
id	int(11)	unique id of the product category
name	varchar(20)	name of the product category

Table 4: product_transaction table

Attribute	Data Type	Description
id	int(11)	unique id of the product transaction
product_id	int(11)	id of the product sold
buyer_id	int(11)	id of buyer of the product sold
seller_id	int(11)	id of the seller of the product sold
dateTransaction	datetime	date and time of the product transaction
quantity	int(11)	quantity of the product sold
transaction_type	varchar(10)	type of transaction; whether REGULAR or TRADE
trade_id	int(11)	id of the traded product
status	varchar(20)	current status of the transaction (PAID or UNPAID)
rating	int(11s)	score of the transaction for user's credibility

Table 5: product_request table

Attribute	Data Type	Description
id	int(11)	unique id of the requested product
userid	int(11)	id of the seller
date_request	datetime	date and time the product has been requested
name	varchar(30)	name of the user requesting
email	varchar(30)	email of user requesting
contactNum	varchar(20)	contact number of the user requesting
prodName	varchar(30)	name of the product request
prodCat	varchar(15)	category of the product request
prod_description	varchar(200)	description of the product request
image	varchar(20)	filename of the image of the product request

Table 6: notifications table

Attribute	Data Type	Description
id	int(11)	unique id of the notification
userid	int(11)	id of the user who received the notification
description	varchar(255)	description of the notifiticatiosn
date_notification	datetime	date and time of the notification
is_read	int(1)	datermines if the notification has already been read
type	varchar(25)	type of the notification

Table 7: message table

Attribute	Data Type	Description
id	int(11)	unique id of the message
convo_id	int(11)	conversation of the message
date_message	datetime	date and time the message has been sent
sender_id	int(11)	id of sender of the message
content	varchar(300)	content of the message

Table 8: conversation table

Attribute	Data Type	Description
id	int(11)	unique id of the conversation
first_user_id	int(11)	unique id of the first user
second_user_id	int(11)	unique id of the second user

Table 9: uploads table

Attribute	Data Type	Description
id	int(11)	unique id of the upload
prodid	int(11)	product id of the upload
name	varchar(32)	filename of the upload

Table 10: message_notifications table

Attribute	Data Type	Description
id	int(11)	unique id of the message notification
userid	int(11)	id of the user who received the message notification
conversation_id	int(11)	conversation id of the message notification
unread_messages	int(11)	number of unread_messages

Table 11: account_requests table

Attribute	Data Type	Description
id	int(11)	unique id of the account request
dateAcctReq	datetime	date and time the account has been requested
email	varchar(50)	email address of the user
upmid	varchar(20)	unique id of the user at UP Manila
college	varchar(50)	college of the user who requested
contactNum	varchar(20)	contact number of the user
isInd	int(1)	determines if the user is an individual
lName	varchar(100)	last name of the user if the user is an individual
fName	varchar(100)	first name of the user if the user is an individual
mName	varchar(100)	middle name of the user if the user is an individual
orgName	varchar(100)	name of the organization if the user is an organization

Table 12: buyer_reports table

Attribute	Data Type	Description
id	int(11)	unique id of the report
date_report	datetime	date and time of the report
userid	int(11)	id of the buyer being reported
reporter_id	int(11)	id of the reported/seller
description	varchar(255)	reason for reporting the buyer
image	varchar(50)	filename of the image as proof

D. System Architecture

The Localized E-Commerce Application for UP Manila has been implemented in PHP using the Codeigniter framework which makes use of the Model-View-

Table 13: trade_request table

Attribute	Data Type	Description
id	int(11)	unique id of the trade request
prodid	int(11)	id of the product for trade
seller_id	int(11)	id of the seller
buyer_id	int(11)	id of the buyer
prodcatid	int(11)	id of the product category
datereq	datetime	date and time of the trade request
name	varchar(50)	name of the trade request
file	varchar(20)	filename of the trade request
status	varchar(11)	status of the request (ACCEPTED or REJECTED)
description	varchar(200)	description of the trade request

Controller (MVC) architecture. The model is the part of the architecture that interacts with the database using MySQL. The view is where all front-end related user interfaces are stored such as HTML pages, Bootstrap, CSS, JavaScript and jQuery. The Controller part handles the routing of the web pages. It also acts as the bridge that connects the model to the view.

E.   Technical Architecture

The minimum requirements for the server machine include:

- PHP Server (Apacher 2.2.22)

- MySQL 5.1.41

- 1GB or more of free space

- 2.4 MHz single core processor

- 512MB RAM

The minimum requirements for the client include:

- Consistent Intenert connection

- 100 MB of free disk space

- 128 MB of RAM or higher

V. Results

1. Home Page
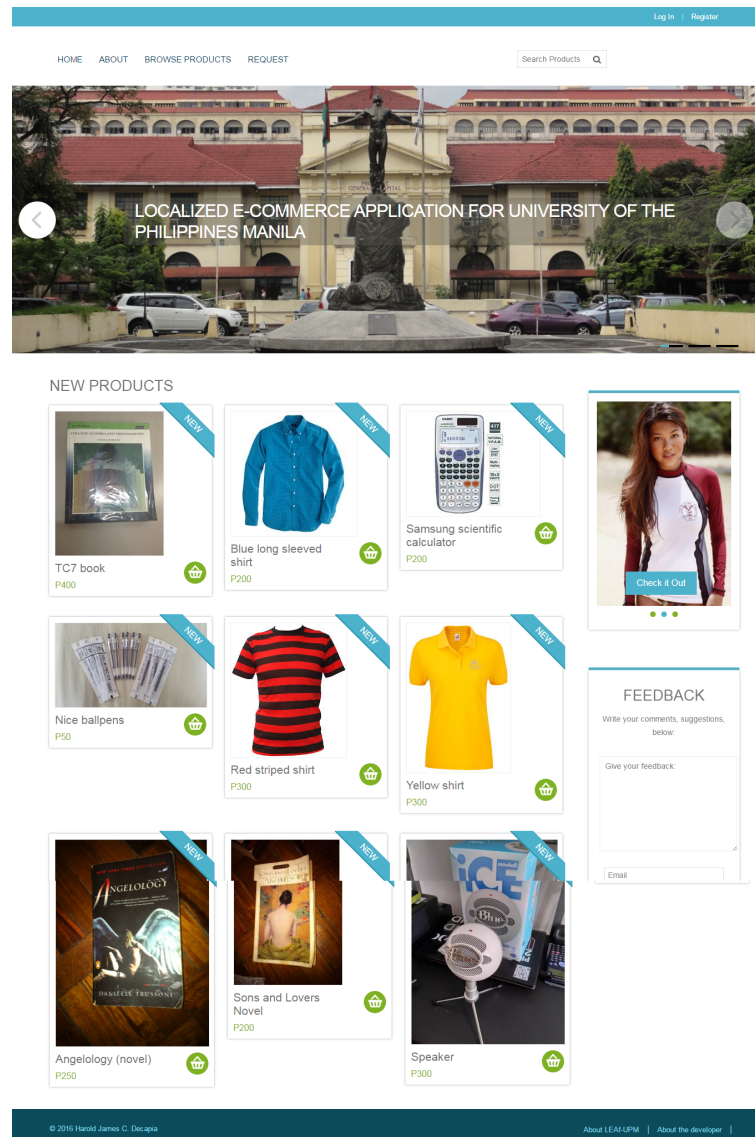
Figure 17: Home Page

Figure 17 shows the home page of the system where all the three types of users have access to. This index page also shows new products advertised by the sellers. The user can also send a feedback which will be received by the System Administrator.
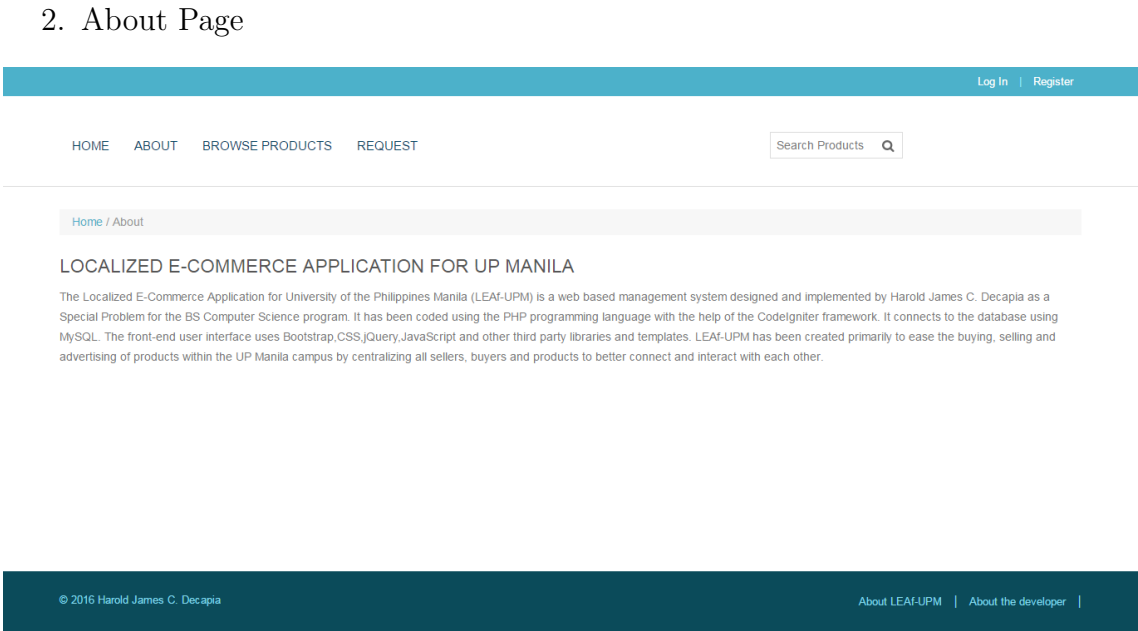
2. About Page

Figure 18: About Page

Figure 18 shows the about page of the system.This is typically just a brief information about LEAf-UPM.
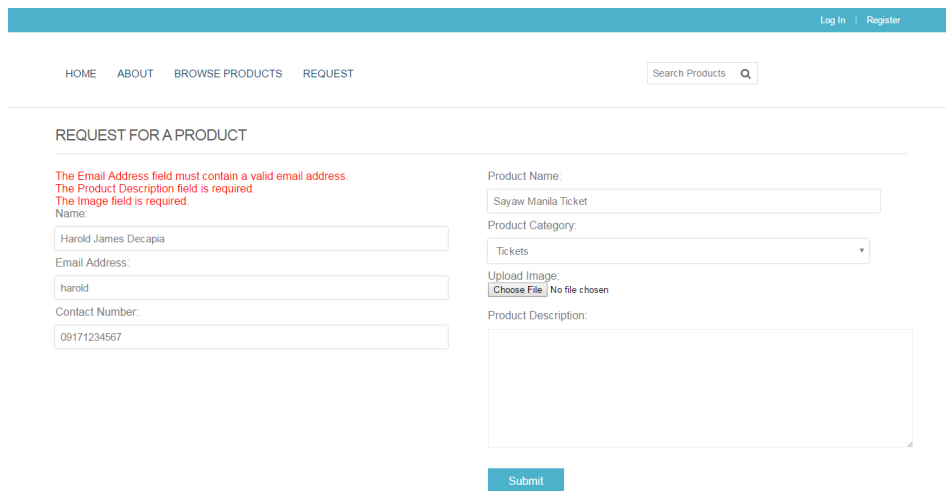
3. Request for a product page

Figure 19: Request for a product Page

Figure 19 shows the request for a product page of the system. This page has some inputs from the user and upon submitting them, outputs some form errors because of form validation.

4. Browse products page
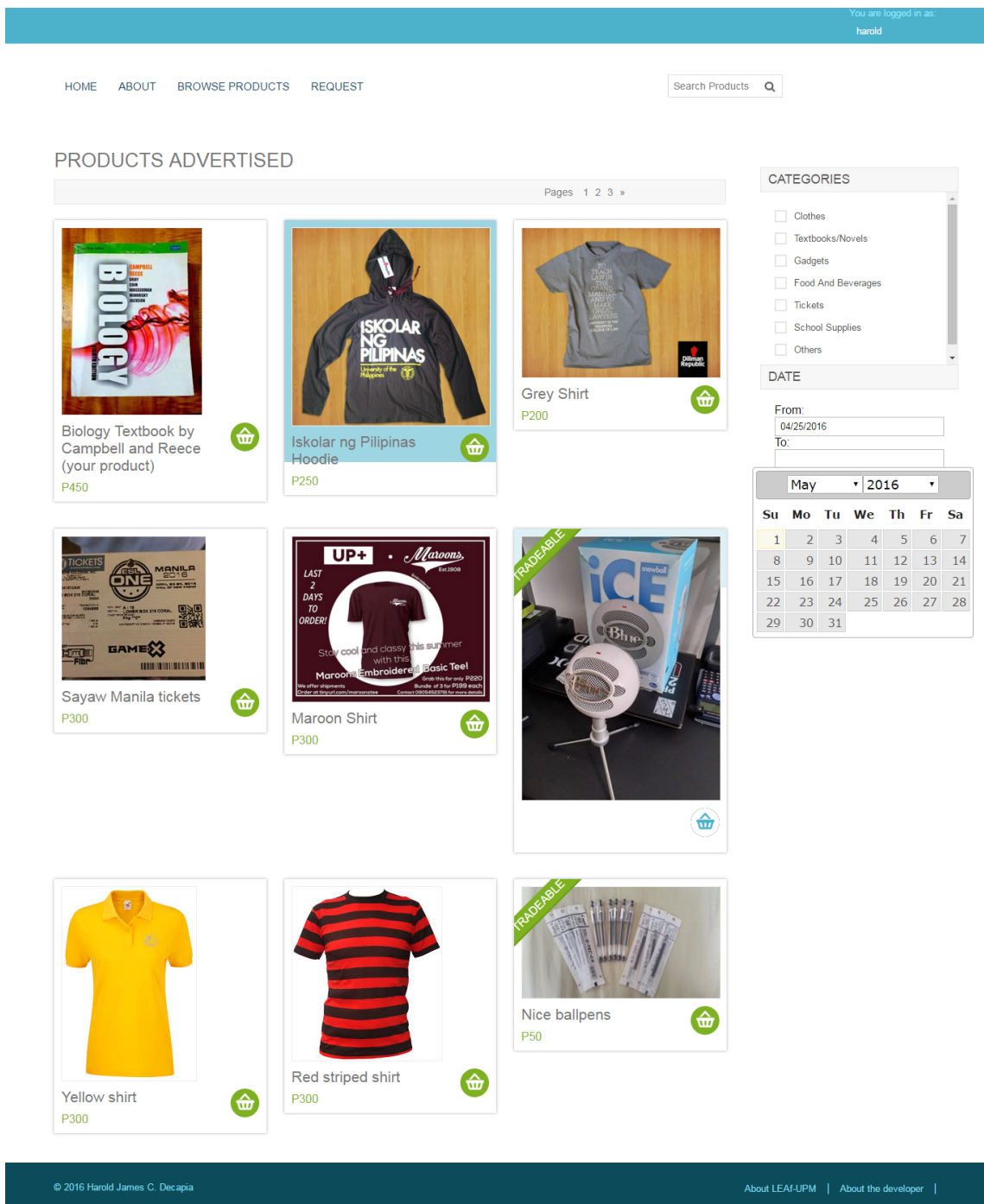
Figure 20: Browse Products Page

Figure 20 shows the browse products page of the system. This is where the users can view all products advertised which are available for buying. They can search for a product or filter the products according to category and date of advertisement or both.

5. View product details page

Figure 21: View Product Details Page

As shown in Figure 21,the unregistered user will not be able to buy the product advertised. He/she will be asked to login first before being able to buy it. However, he/she can view the product details as well as the details of its seller. The user can also view other products in the same category of the current product being viewed.

6. Register Page

Figure 22: Register Page

Figure 22 shows the register page of the system with some form validation errors. Upon successfully submission of the inputted information, the Admin will receive these information and will decide whether to accept the account request or not.
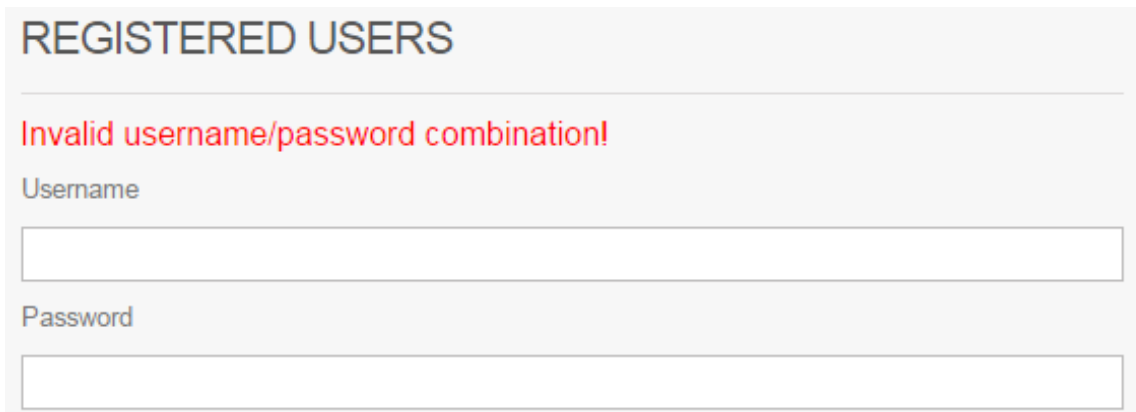
7. Login Page

Figure 23: Login Page

For registered users, they can login on the system using their username and password. The login page is shown in Figure 23.

Just like the other pages, form validations also apply. To be able to login, the user must input both username and password and must match with that in the database. Figure 24 shows error message regarding user login.

Figure 24: Login Page Error: Invalid Username and Password Combination
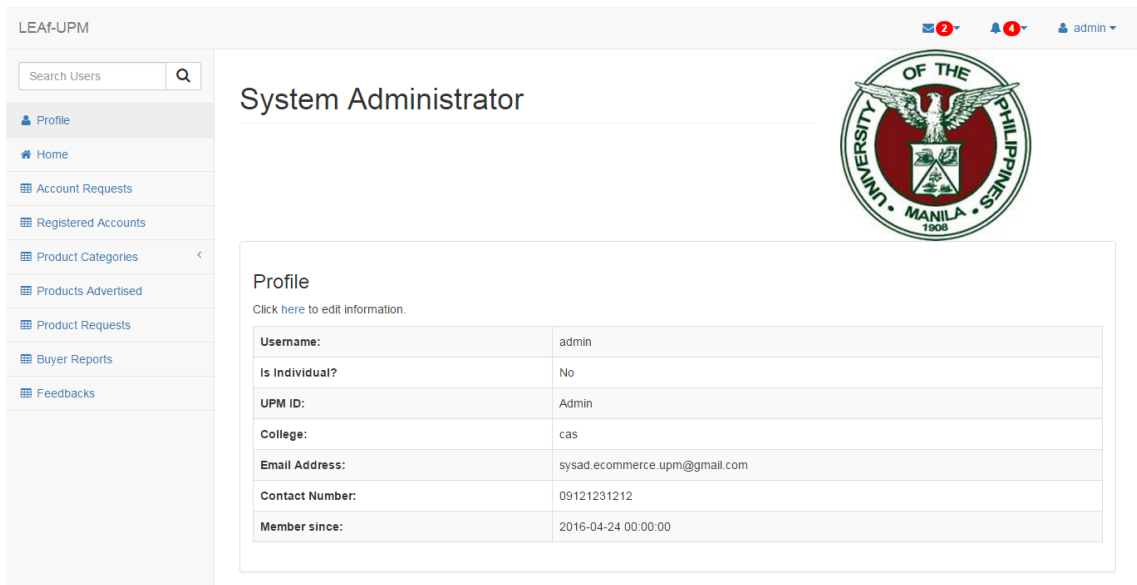
The user will also not be allowed to enter the system if his/her account has been deactivated by the System Administrator. He/she has to contact the Admin thru email to be able to login on again. Figure 25 shows the error message being output when a deactivated account has been tried to login.

Figure 25: Login Page Error: Deactivated Account
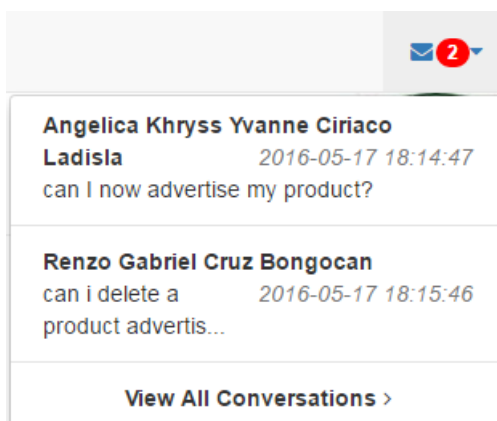
8. System Administrator Profile Page

Figure 26: System Administrator Profile Page

Figure 26 shows the profile page of the System Administrator. The profile page is the landing page of all users who login on the system. The admin's major functionalities are done here. New messages and notifications are also seen as shown in Figures 27 and 28. The System Administrator will receive
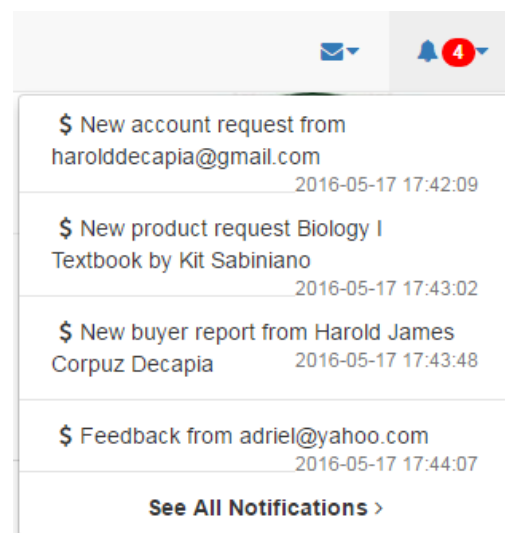
Figure 27: Admin:New messages

Figure 28: Admin:New notifications

three types of notifications; (1)new account request notification, (2) new product request notification, (3) new buyer report notification and (4) new

feedback notification.

Figure 29 shows the page for viewing all conversations the System Administrator has had with other users.

Figure 29: View all conversations

Figure 30 shows the page for viewing all notifications of the System Administrator.

Figure 30: View all notifications

9. Communications Page

   All users of the system can send private messages to each other. Content of the messages could be questions,comments or suggestions about product advertised or transactions. This is also a good way to do deals especially about product trades. Figure 31 shows the conversation between the System Administrator as the sender and one of the registered users of the system as the receiver. This conversation is private. Meaning, only the two of them can see the conversation.
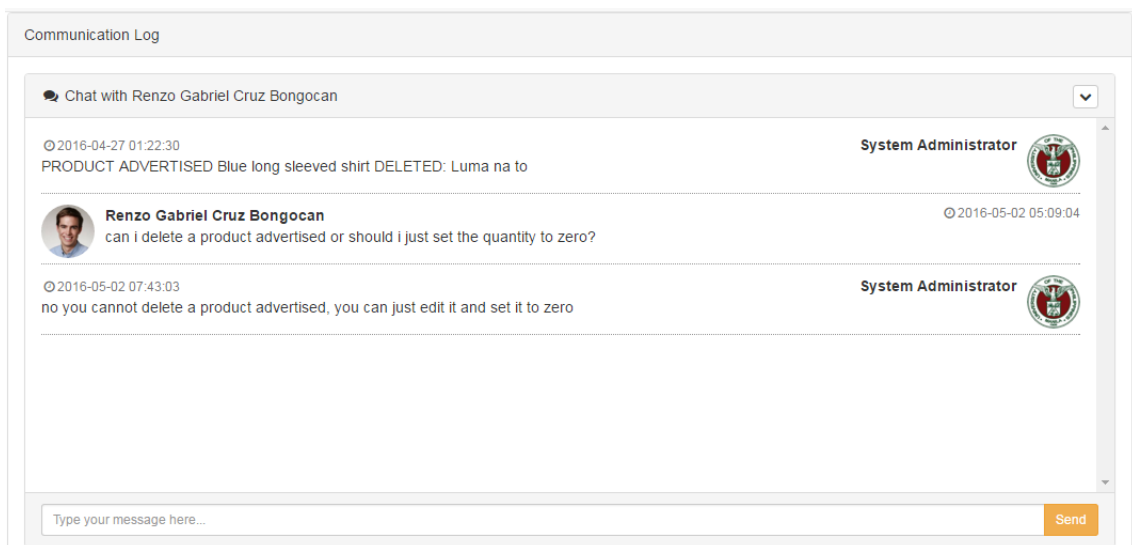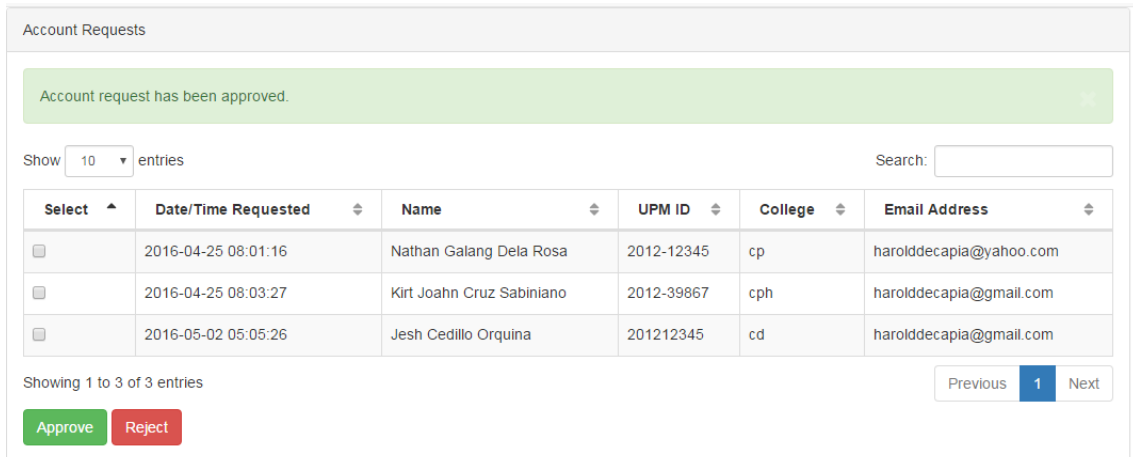
Figure 31: Send private message

10. Account Requests Page

Figure 32 shows all current account requests. A flashdata has been out-putted since an account request has recently been approved. The Admin can approve or reject more than one account requests.

Figure 32: Approved account request

Figures 33 and 34 shows confirmation modals before approving or rejecting account request/s.
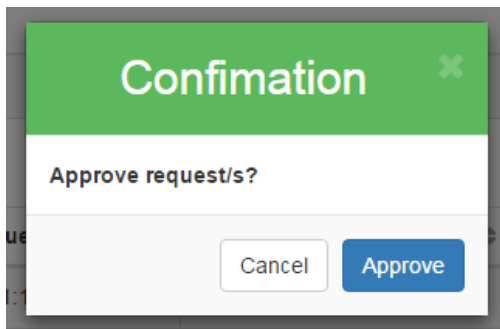
Figure 33: Confirmation: Approve account request/s
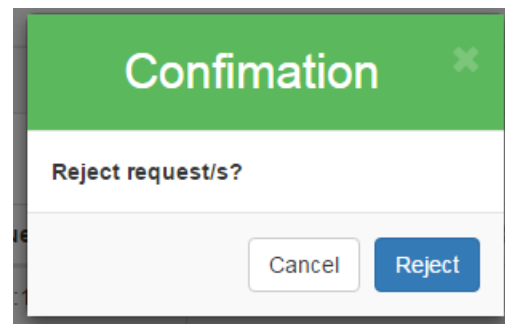
Figure 34: Confirmation: Reject account request/s

11. Registered Accounts Page

    The System Administrator has the capability to either activate or deactivate
    a registered user's account as shown in Figure 35.

Figure 35: Manage Registered Accounts

Figure 35 shows a form error for nothing has been selected by the user
upon submitting. Figure 36 shows flashdata outputs when activating or
deactivating registered account/s. A modal as a confirmation dialog is shown
in Figure 37.

Figure 36: Flashdata outputs for managing registered accounts

42
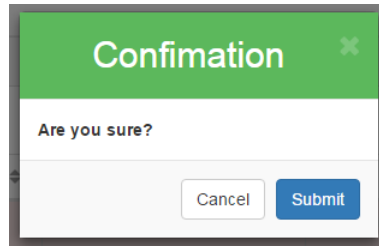
Figure 37: Confirmation modal for activating or deactivating a user account

12. Product Categories Management Page

Figure 38 shows the different product categories of the products in the system. The Admin can choose from these categories and rename it as shown in Figure 39.
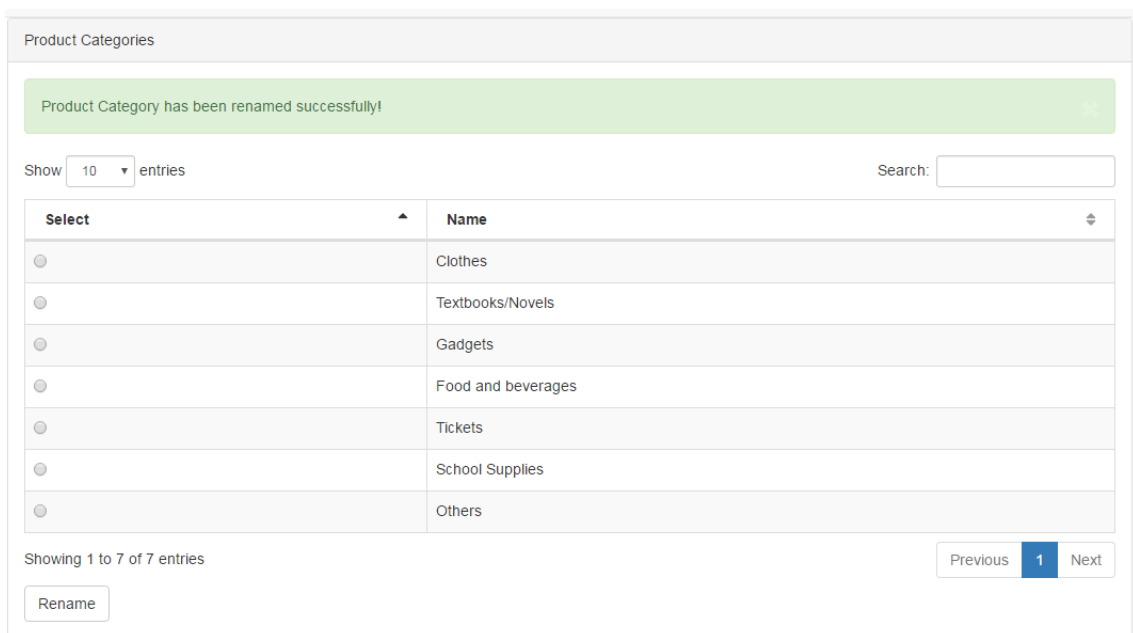
Figure 38: Product Categories Page
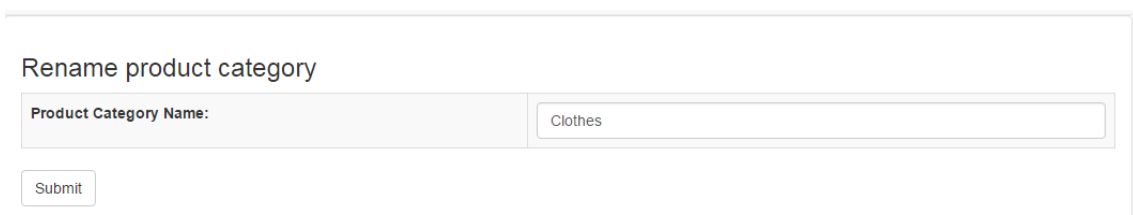
Figure 39: Rename product category

If a lot of products are under the "Others" product category, the Admin can add another product category as shown in Figure 40.

Figure 40: Add product category

13. Products Advertised Management Page

Figure 41 shows all product advertisements from different sellers. The Admin can either re-activate or deactivate a product currently being advertised. A flashdata has been outputted since a product has been deactivated recently.

Figure 41: Products Advertised Management Page

The System Administrator has the capability to stop (can be temporarily

or permanently) a product from being advertised by deactivating it. When the Admin deactivates a product, the Admin will be prompted to enter the reason for deactivating it. This reason will be sent as a private message to the seller of the product. The modal for getting this reason is shown in Figure 42.
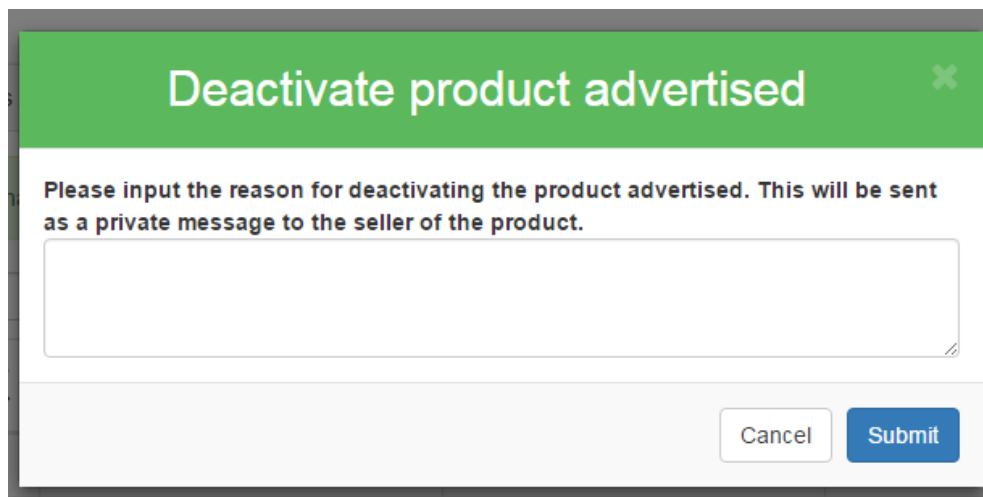
Figure 42: Modal when deactivating a product advertised

On the other hand, if the System Administrator re-activates a deactivated product, only a confirmation modal will appear. When a product has been reactivated, it will be allowed to be advertised (again) in the system. Figure 43 shows this confirmation modal.
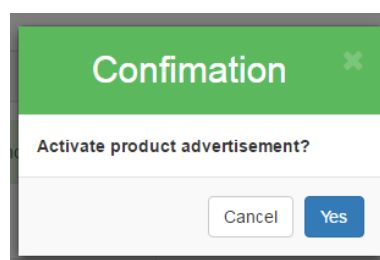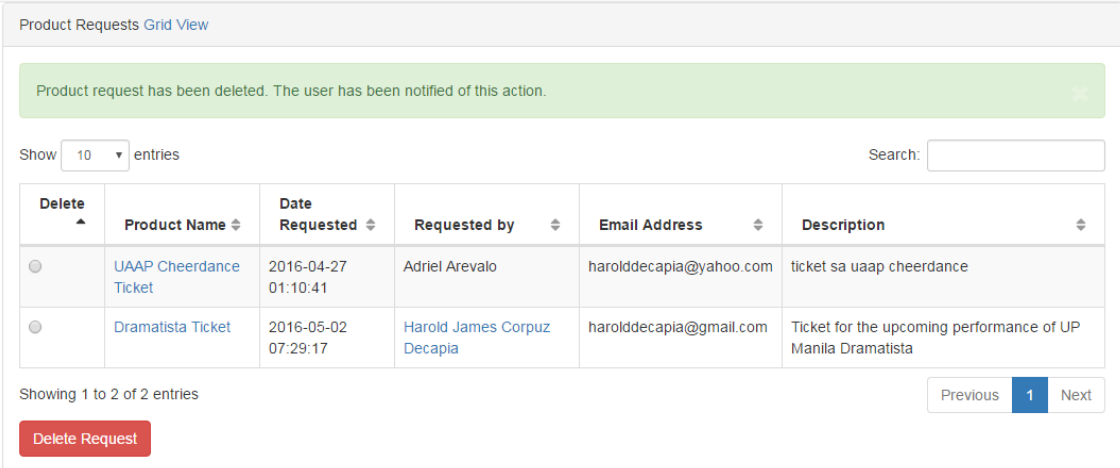
Figure 43: Confirmation modal: Activating a product

14. Product Requests Management Page

   All registered users can view the different products advertised but only the
   System Administrator has the capability to delete it as seen in Figure 44.
   If a product request by an unregistered user has been deleted, an email will
   be sent to him/her. But if a product request by a registered user has been
   deleted, a private message will be sent to him/her.

Figure 44: Product Requests Management

   The confirmation modal when deleting a product request is shown in Figure
   45.
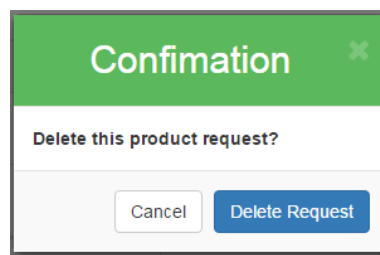
Figure 45: Confirmation Modal: Deleting a product request

15. View Feedbacks Page

   The System Administrator can view all feedbacks submitted through the
   home page by Unregistered Users. These feedbacks could be questions,
   comments or suggestions about the system or about the management of

46

the system. This is helpful to know opinions of users who do not use the system. The gateway for communication between the System Administrator and the Unregistered User is via Email. Figure 46 shows the view feedbacks page of the system.

Figure 46: View feedbacks

16. Registered User Profile

Figure 47 shows the profile page of a registered user which can assume the roles of being a buyer, a seller or both.

Figure 47: Registered User Profile

The registered user can receive seven different types of notifications. As a buyer, he/she will receive notifications for (1) status of bought product (PAID or CANCELLED), (2) status of trade request (APPROVED or RE-JECTED) and for a (3) deleted product request. As a seller, he/she will receive notifications if (1) a buyer bought a product, (2) a buyer requested for a trade, (3) a buyer rated him/her and (4) a product has been activated or deactivated by the System Administrator. Figure 48 shows the different notifications that can be received by a Registered User.
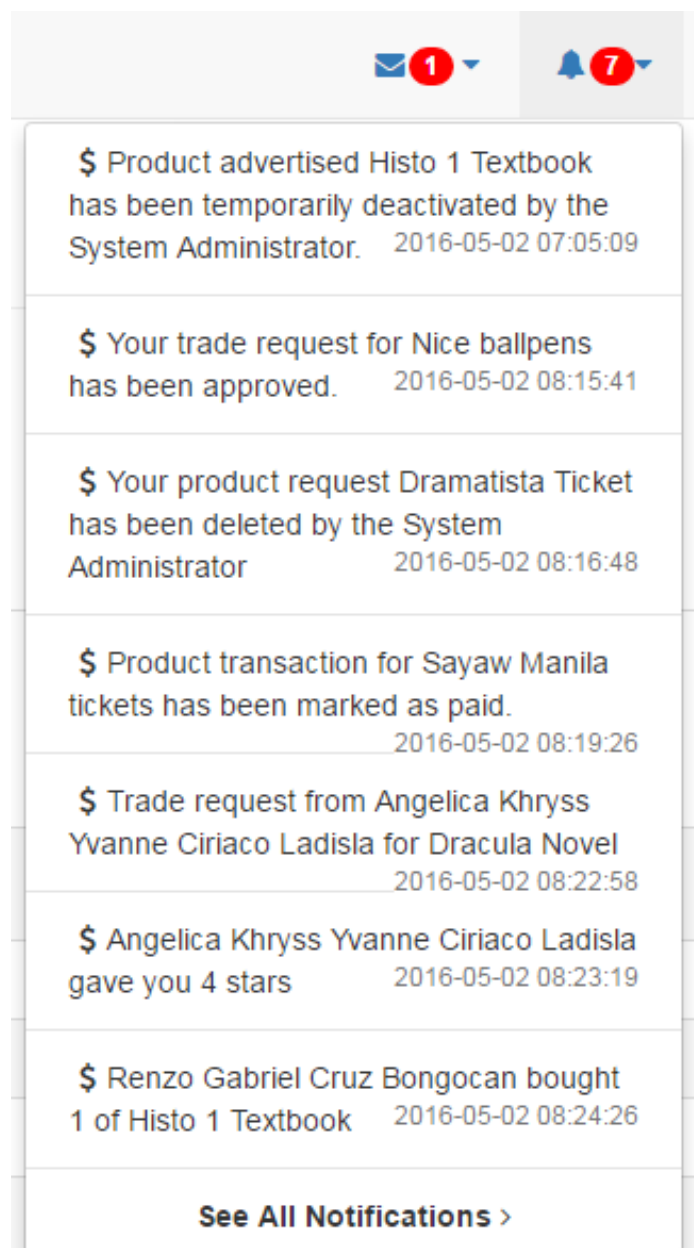
Figure 48: Registered User Notifications

17. View Ratings Page

Figure 49 shows the view ratings page of the system. This is where the Registered User can know who rated him/her and his/her rating to the Registered User.

Figure 49: View ratings

18. Edit Profile Page

Figure 50 shows the edit profile page of a Registered User. All information can be edited/updated including profile picture, username, password, etc. Form validations apply. For Figure 50, an error message has been outputted due to password form error during validation.

Harold James Corpuz Decapia

Edit Profile

The Re-entered Password field does not match the New Password field.

Name:	Harold James Corpuz Decapia
Username:	harold
Password:	☑ Click to change
	Old Password
	New Password
	Re-enter New Password
UPM ID:	2012-30427
College:	College of Arts and Sciences
Email Address:	harolddecapia@gmail.com
Contact Number:	09121234124
Upload new profile picture	Choose File No file chosen

Save changes

Figure 50: Edit Profile Page

19. Products Bought Page

    Figures 51 and 52 shows the products bought by the Registered User in Grid View and List View respectively. These products are those products bought by the Registered User regardless of the status. If the status has been changed by the seller of the product to 'CANCELLED', the product will be deleted from this page.

50
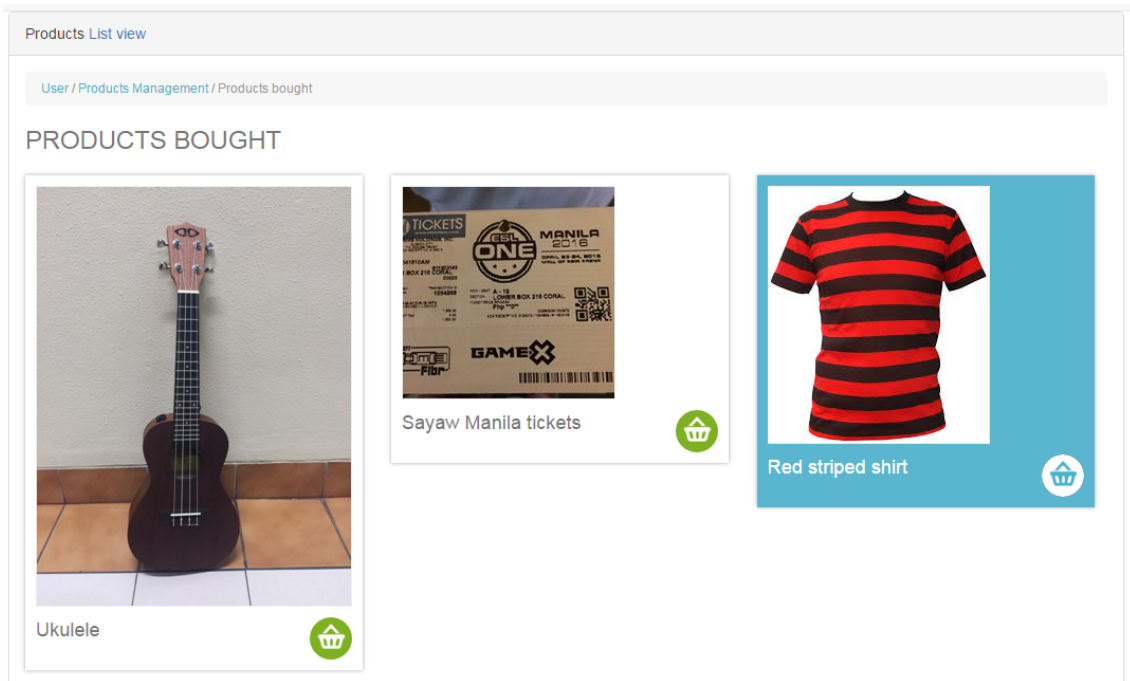
Figure 51: Products Bought-Grid View

Figure 52: Products Bought-List View

20. Products Sold Page

Figure 53 shows all sold products of the Registered User assuming the role of a seller. The Registered User can manage these sold products in list view as shown in Figure 54. That is, he/she can either mark the sold product as PAID or CANCEL the product transaction. If the product transaction has been cancelled, the product sold will be deleted from this page and will either go back to the Browse Products Module or its quantity will increment

51

depending on the quantity bought by the buyer.
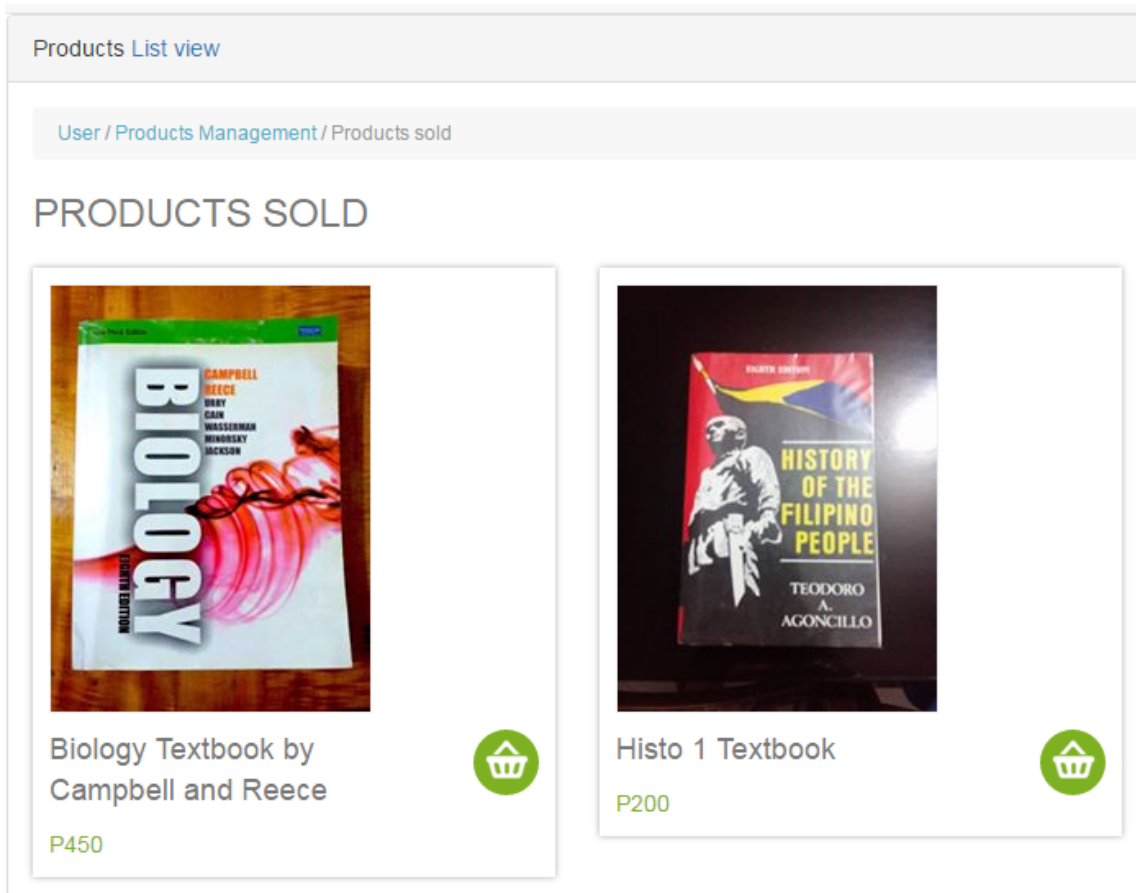
Figure 53: Products Sold-Grid View
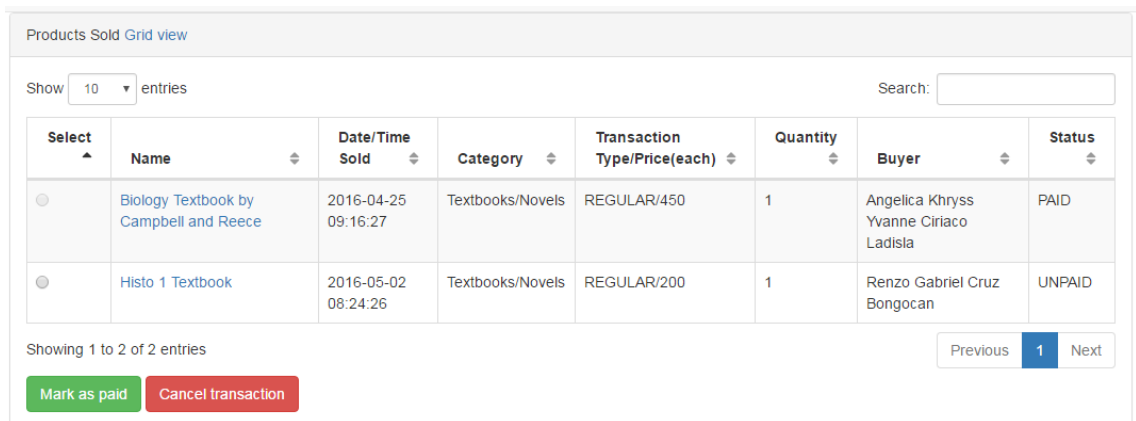
Figure 54: Products Sold-List View

The confirmation modals before marking a product as paid or cancelling a transaction are shown in Figures 55 and 56.
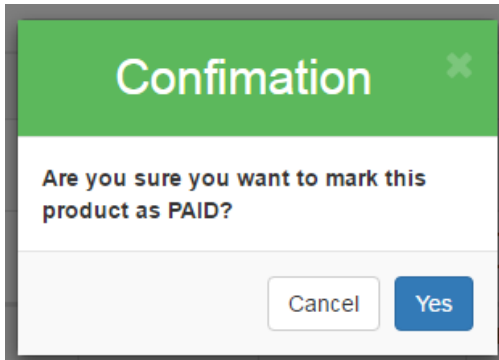
Figure 55: Confirmation: Mark product as PAID
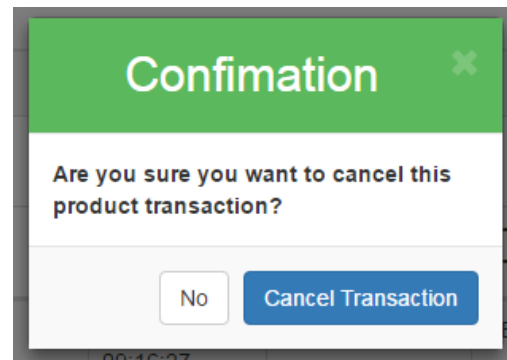
Figure 56: Confirmation: Cancel product transaction

21. Products Advertised Page

Figures 57 and 58 show the different products advertised by the Registered User in Grid View and in List View respectively. All these products advertised can be edited by the Registered User. These products cannot be deleted. However, their quantities can be set to zero if the product is not available for buying anymore.
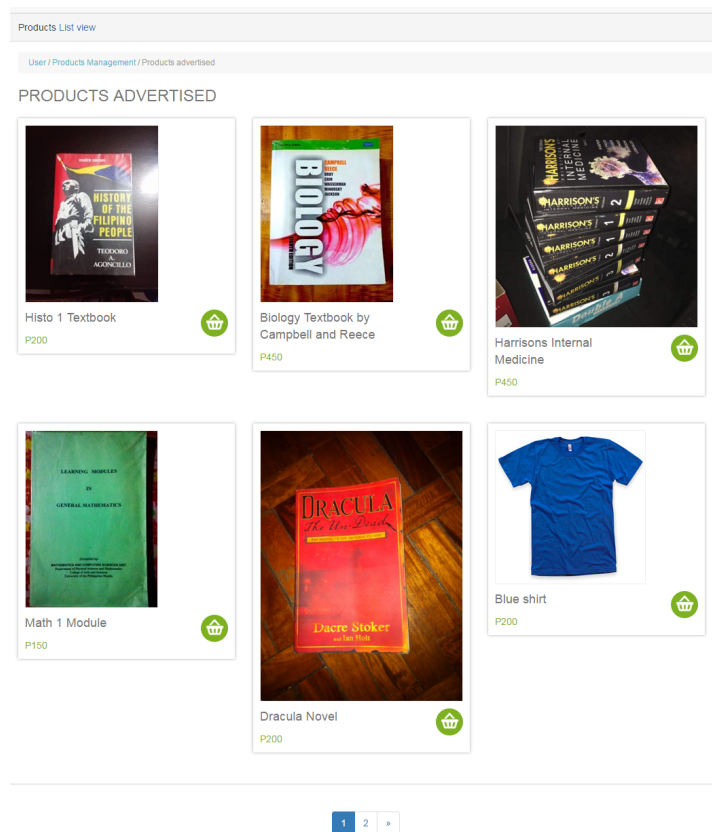
Figure 57: Products Advertised-Grid View

Figure 58: Products Advertised-List View

22. View Product Transaction Page

The receipt-like form of the buying and selling of a product is shown in the product transaction page. An example is shown in Figure 59. Details such as the type of transaction, the date of the transaction, the status, etc. are shown in this page.

Figure 59: View Product Transaction

23. Advertise Product Page

One of the important functionalities of LEAf-UPM is to allow the Registered User to advertise a product. Figure 60 shows the page where the Registered User can do this. Form validations apply for everything is required except the 'Other Images' field.

Figure 60: Advertise Product

24. Edit Product Advertised Page

Figure 61 shows the edit product advertised page of the system. Everything can be edited/updated.

Figure 61: Edit Product Advertised

After successfully editing, the user will be redirected to the view product advertised page. Figure 62 shows a success message after editing the product advertised.
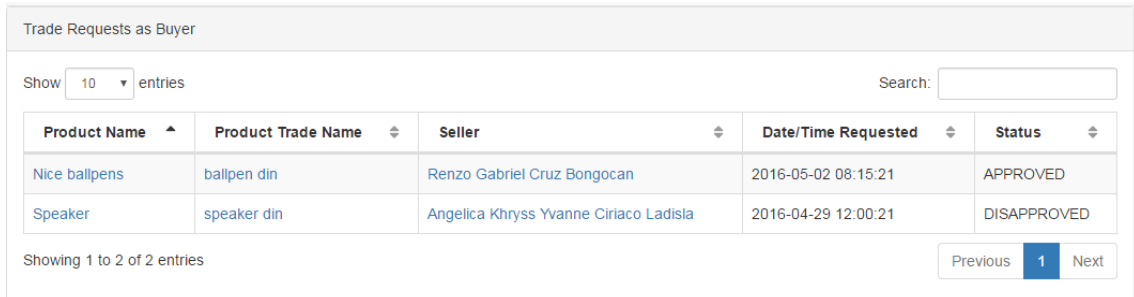
Figure 62: View Product Advertised

25. Trade Requests Page

Figure 63 shows the trade requests sent by the Registered User for different products.
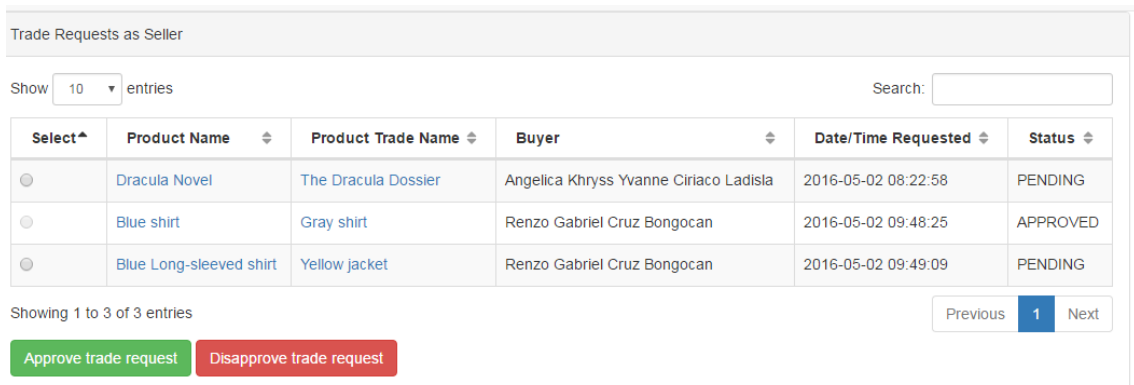
Figure 63: View trade requests (buyer)

Figure 64 shows the trade requests for the user from other Registered Users. The Registered User can decide whether to approve or disapprove the trade request.

Figure 64: View trade requests (seller)

If a trade request has been disapproved, the Registered User will be prompted to enter a reason for disapproving the request. This will be sent as a private message to the User who requested for the trade. Figure 65 shows the modal which gets input from the Registered User as the reason for disapproving the request.
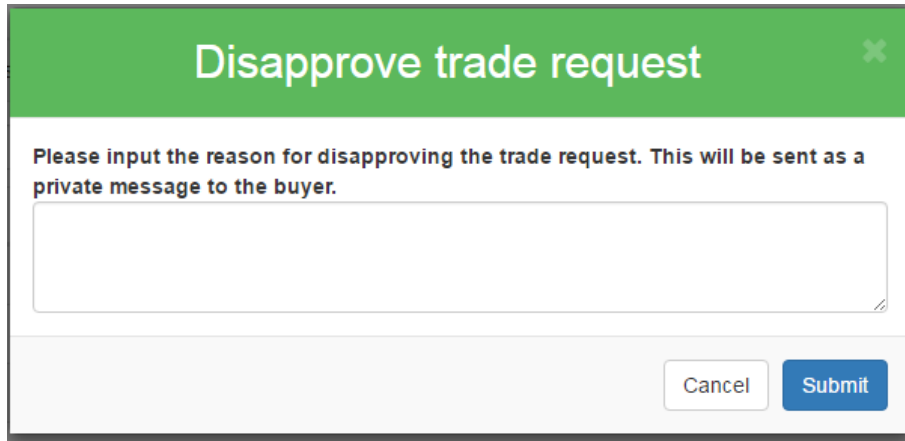
Figure 65: Modal when disapproving a trade request

On the other hand, if a trade request has been approved, a simple confirmation modal will appear as shown in Figure 66.
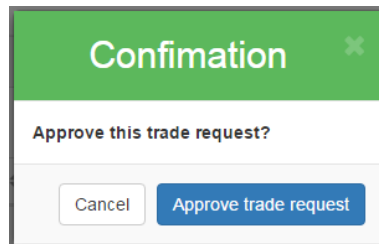
Figure 66: Confirmation: Approve trade request

26. View All Users Page
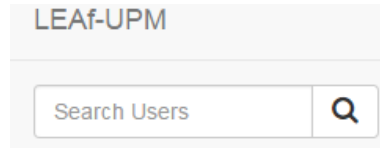
Figure 67: View All Users

27. Search Users Page
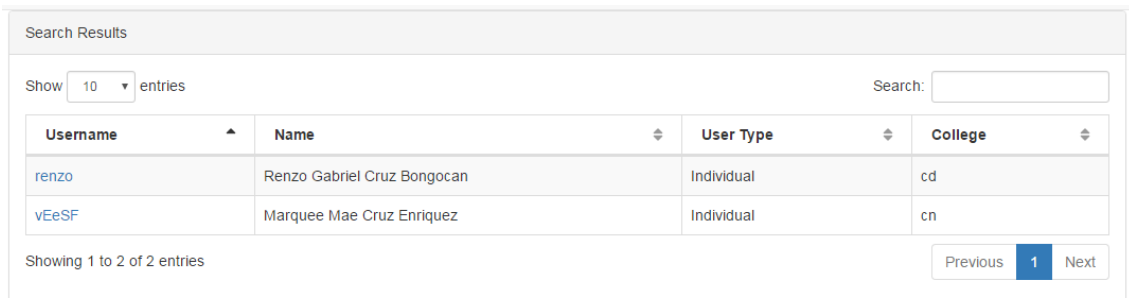
The Registered User can search for a particular user of the system using the search field shown in Figure 68.

Figure 68: Search Field

Figure 69 shows the search results done by Registered User.
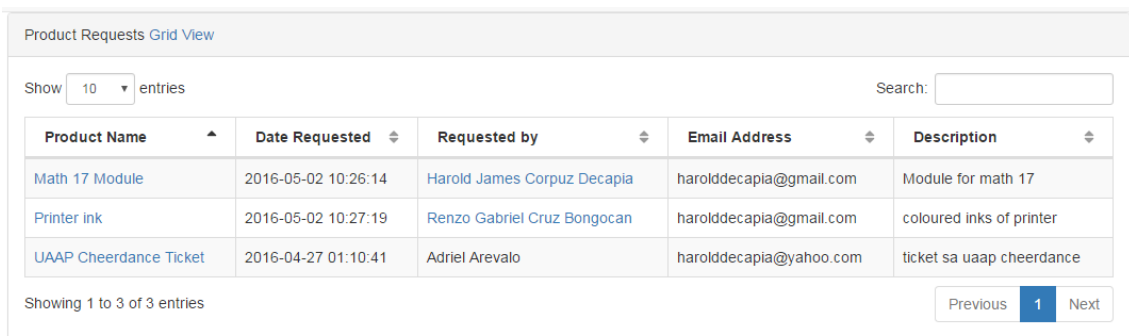
Figure 69: Search Users

28. View Product Requests Page

All Registered Users can view product requests from their fellow Registered Users or from Unregistered Users as showin in Figure 70.

Figure 70: View Product Requests

29. View Other Registered User Page

Figure 71 shows the profile of another Registered User as viewed by the one who is currently logged in on the system. The profile information as well as the products advertised of the user is shown. The other user can be rated since the Registered User who is logged in has had transaction with that user. The user can also be sent a private message by the user who's logged in as shown.
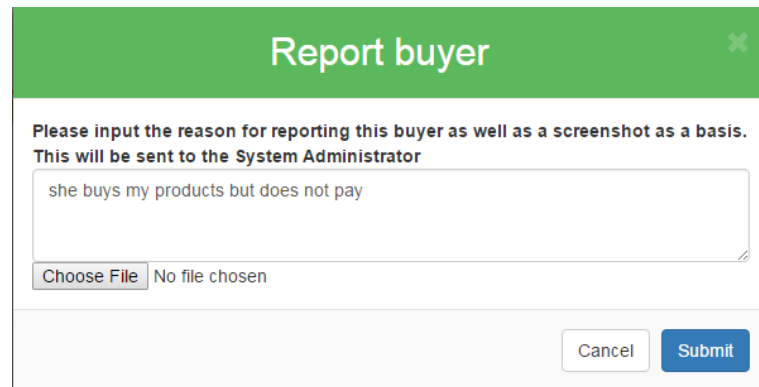
Figure 71: View other registered user

60

30. Report a buyer

As a seller, any registered user of LEAf-UPM can report any other registered users as buyers for their behavior. This is done to address the situation where buyers just buy products from a user and does not pay. These reports will be submitted to the System Administrator. The System Administrator will then be the one to communicate with the reported user. The Admin can then deactivate the account of the user if proven that the user 'misbehaves' by looking at the image uploaded by the reporter as basis. The modal for reporting a buyer is shown in Figure 72.

Figure 72: Report a buyer modal

31. Request for Trade Page

    If a product can be traded for other products, the user can request for a trade. Form validations also apply as shown in Figure 73.
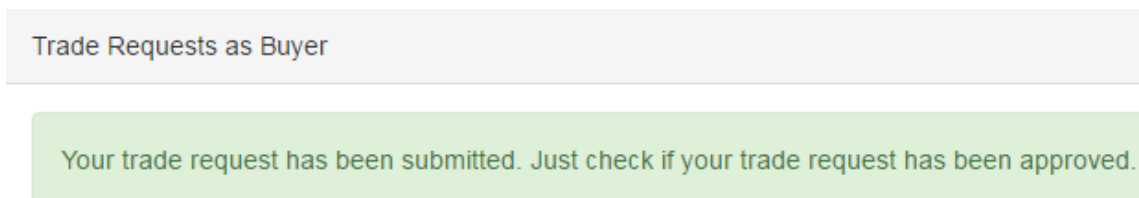
Figure 73: Request for trade

    After requesting, the user will be redirected to the Trade Requests (buyer) Page with the product recently traded included in the list with initial status PENDING. A success message shown in Figure 74 will appear upon successfully requesting a trade for the product.

Figure 74: Trade for Product Success Message

32. Buy Product Page

If a user is logged in on the system, he/she can buy a product. Figure 75 shows a page when a product can be bought. It outputs an error since the user has just tried to buy the product without specifying the quantity.

Figure 75: Buy Product

After buying, the user will be redirected to the Products Bought Page with the product recently bought included in the list. A success message shown in Figure 76 will appear upon successfully buying the product.
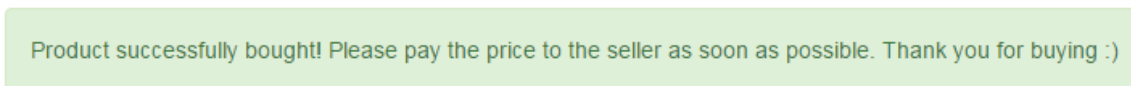
Figure 76: Buy Product Success Message

33. Logout

Figure 77 shows the button for logging out of the system.
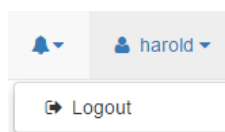
Figure 77: Logout

VI.   Discussions

The Localized E-Commerce Application for University of the Philippines Manila (LEAf-UPM) is a web-based PHP application which aims to ease the processes and transactions of buying, selling and/or advertising of products within the UP Manila campus. With the use of the system, the problems encountered by both the buyers and the sellers in doing the previous way of buying and selling have been addressed well.

The system has three major types of users namely: the Registered User, the System Administrator and the Unregistered User. The System Administrator is the one responsible for managing the system as a whole. Specifically, the Administrator is responsible for managing account requests, managing registered accounts, managing product categories, managing products advertised and managing product requests. The Administrator is also the one who communicates with the Unregistered User through E-mail.

The Unregistered User is the user who can only browse the different products available for buying. The product transaction that he/she will have for the product is outside the scope of the system. Meaning, if the Unregistered User wants to buy a particular product, he/she will contact the seller of the product using the seller's details as shown in the view product details page of LEAf-UPM. The transactions like deals or trades will not be addressed by the system fors him/her. The Unregistered User, however, can request for a specific product he/she wants then it's up to him/her to just browse the products to see if the product requested is already in the list of products advertised. If the Unregistered User wants to make use of all the functionalities that LEAf-UPM provides, he/she can register for an account.

The Registered User is the most important user of the system. He/she assumes the role of being a buyer or a seller of a product being advertised in LEAf-UPM. The major functionalities of buying, advertising and/or selling a product is done by the Registered User.

The different functionalities of the system are divided into more general modules: Account and Profile Management, User Management, Communications Management, Products Management, Trades Management, Notifications Management, etc. Each of these modules contribute to satisfying the different objectives mentioned in this project as done by each of user of the system.

In terms of technology, LEAf-UPM was implemented using the CodeIgniter framework. CodeIgniter uses the Model-View-Controller architecture of software development. Because of this, all PHP files were divided into three subgroups (Models,Views,Controllers) which made them easier to manage.

A combination of initial and static web templates, Bootstrap and other third party libraries were used in order to develop the User Interface of the system. A pre-developed E-Commerce static page [27] was used as the home page template of LEAf-UPM including that of the dashboard [28]. Minor changes and edits were made for customization to better fit the User Interface of LEAf-UPM. Also, addition of other JavaScript, jQuery and CSS files were developed in addition to these to make the User Interface more dynamic. The Views folder of the project stores all these pages for the front-end part of the system.

MySQL is used as the database management system of LEAf-UPM. The tables from the initial Entity Relationship Diagram (ERD) were the first tables to be created. The database was then modified; that is, some tables have been added and some tables have been deleted. This has been done necessarily to satisfy the overall logic of creating the system.

LEAf-UPM in general was able to meet all the objectives of the project with the help of the different technologies mentioned. All the functionalities implemented were able to address the problems which lead to making the project significant. For one, product advertisements need not be posted on social media or around the campus anymore since the sellers would find it less costly and less effort to just post them on LEAf-UPM assuming that their prospective buyers also use the system. In this way, they would be able to track all their customers and

their orders in just one viewing at the system. There will be no Google docs, no facebook private messages, and any other social-media related way of transaction and communication. Communication-wise, the system has its own functionality that allows each registered users of the system to communicate with each other. With this, they could talk about deals, trades or even discounts better. Also, questions about the products advertised will surely be answered unlike on facebook comments which were difficult to track.

Due to the fact that the system was designed to be used locally, all users find it easy to browse the different products available for buying. They could even search and filter these products to limit their choices. The users need not to go to other places aside from UP Manila to exchange the payment and the product bought. On the sellers side, these products would be sold as soon as possible for as long as their target market are the UP Manila community. Because of this, it can be said that they will be able to maximize their income since they are able to maximize the number of prospective buyers for their product.

VII. Conclusions

The Localized E-Commerce Application for University of the Philippines Manila (LEAf-UPM) was designed and implemented primarily to aid the process of buying and selling of products within the UP Manila campus. It is able to address most of the major problems encountered by both buyers and sellers of different products around the campus.

As compared with the previous ways of buying and selling of products, LEAf-UPM is more convenient, less costly, less effort and much more effective. The sellers need not walk around the campus just to post product advertisements on bulletin boards. They need not make documents on social media like Google Docs or to post on social media to advertise a product and wait for comments or private messages to know if someone is interested into buying the product for these are already addressed by LEAf-UPM. Although it is not meant as a web application for doing business online for UP Manila students, LEAf-UPM makes sellers earn more since there are a lot of prospective buyers using the system. Their products are sold quicker and more in terms of quantity. Also, one of the benefits of using LEAf-UPM to advertise is that it is free for use to all members of the UP Manila community.

LEAf-UPM helps the buyers in terms of product awareness and convenience. The browsing of products advertised allows the buyers to easily find the product they are looking for. With this, they will not be limited to only a number of products advertised since there will be a lot of choices they can pick from. They will find it convenient to use the system since it is Internet connection-based and the whole UP Manila campus is connected to the Internet. The friendly and easy to use User Interface makes browsing, searching and buying very easy. If bought, the buyers are assured of a reservation for the product. It also encourages these buyers, whether an individual or an organization to sell, which is a good thing since they will be able to earn even a small amount of money.

VIII. Recommendations

The Localized E-Commerce Application for UP Manila (LEAf-UPM) was able to address some of the major problems encountered in buying and selling of products within UP Manila. However, there are still a lot of improvements that can be done on this system.

For one is an addition of functionalities. Since LEAf-UPM does not handle money transactions, it would be better to make LEAf-UPM handle customer payments to the sellers which can be done online. An approach could be using a third-party library for connecting with credit cards like PayPal and MasterCard for example if such library exists and if it is possible to implement. The proponent, however, should make sure that credit cards are the most convenient way when paying online by doing research.

Another improvement that can be done on LEAf-UPM is by making a mobile version of it to have more users since smartphones are also deemed convenient for buying and selling of products. Doing this, however, will lessen the functionalities of LEAf-UPM as mentioned in this research.

Doing a Short Message Service(SMS)-based notification is another way to improve the system. That is, notifications management will be handled through SMS. All notifications will be sent by the System Administrator as text messages to the different users of the system.

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X. Appendix

A. Source Code

Listing 1: Administrator.php

```php
1  <?php
2  if (! defined ('BASEPATH'))
3      exit ('No direct script access
       allowed ');
4
5  class Administrator extends
       MY_Controller {
6      function __construct () {
7          parent :: __construct ();
8    $this ->load ->library ('email ');
9    $this ->load ->library ('parser ');
10   $this ->init_user_header ();
11   if ($this ->session ->userdata ('
       usertype ') != 'admin' || !
       $this ->session ->userdata ('
       usertype ')) {
12   redirect ('home ');
13   }
14     }
15
16  public function view_report ($id)
        {
17   $data ['report '] = $this ->
       report_model ->get_report ($id);
18   $data ['buyer '] = $this ->
       user_model ->get_user_name (
       $data ['report ']->userid );
19   $data ['reporter '] = $this ->
       user_model ->get_user_name (
       $data ['report ']->reporter_id );
20   $this ->load ->view ('templates/
       admin_header ', $this ->
       header_data );
21   $this ->load ->view ('viewreport ',
        $data );
22  }
23
24  public function
        prior_buyer_reports () {
25   $this ->notifications_model ->
       update_notif_read (1, "
       new_report ");
26   redirect ('administrator/
       buyer_reports ');
27  }
28
29  public function buyer_reports ()
        {
30   $reporter_names = array ();
31   $buyer_names = array ();
32   $data ['reports '] = $this ->
       report_model ->get_data ();
33   foreach ($data ['reports '] as
       $report ) {
34   array_push ($reporter_names ,
       $this ->user_model ->
       get_user_name ($report ->
       reporter_id ));
35   array_push ($buyer_names , $this
       ->user_model ->get_user_name (
       $report ->userid ));
36   }
37   $data ['reporters '] =
       $reporter_names ;
38   $data ['buyers '] = $buyer_names ;
39   $this ->load ->view ('templates/
       admin_header ', $this ->
       header_data );
40   $this ->load ->view ('
       buyer_reports ', $data );
41  }
42
43  public function prior_acctreq ()
        {
44   $this ->notifications_model ->
       update_notif_read (1, "
       new_account_requests ");
45   redirect ('administrator/acctreq
       ');
46  }
47
48  public function acctreq () {
49   $data ['acctreqs '] = $this ->
       acctreq_model ->get_data ();
50   $this ->load ->view ('templates/
       admin_header ', $this ->
       header_data );
51   $this ->load ->view ('acctreq ',
       $data );
52  }
53
54  public function registered_accts
        () {
55   $data ['registered_accts '] =
       $this ->
       registered_accounts_model ->
       get_data ();
56   $this ->load ->view ('templates/
       admin_header ', $this ->
       header_data );
57   $this ->load ->view ('
       registered_accts ', $data );
58  }
```

```
59
60    public function manage_acctreq()
      {
61    if(empty($this->input->post('
      acctreqs'))) {
62    $data['accreqs_message'] = "
      Nothing has been selected.";
63    $data['acctreqs'] = $this->
      acctreq_model->get_data();
64    $this->session->set_flashdata
      ('accreqs_message_no_selected
      ',$data['accreqs_message']);
65    redirect('administrator/
      acctreq');
66    }
67    else {
68    if($this->input->post('submit
      ') == 'Approve') {
69    $acctreqs = $this->input->
      post('acctreqs');
70    date_default_timezone_set('
      America/Anchorage');
71    $date = date('Y-m-d H:i:s');
72    $ctr = 0;
73    foreach($acctreqs as $acctreq
      ) {
74      $ctr++;
75      do {
76        $username = $this->
      randomuser(5);
77      } while (!$this->
      is_unique_username($username))
      ;
78      $password = $this->
      randomuser(5);
79      $user = $this->acctreq_model
      ->get_unapproved($acctreq);
80      $name = $user->orgName;
81      if($user->isInd == 1) {
82        $name = $user->fName . " "
      . $user->mName . " " . $user->
      lName;
83      }
84      $approved_data = array(
85        'username' => $username,
86        'password' => md5($password
      ),
87        'dateApproved' => $date,
88        'credibility' => 0,
89        'email' => $user->email,
90        'upmid' => $user->upmid,
91        'college' => $user->college
      ,
92        'contactNum' => $user->
      contactNum,
93        'isInd' => $user->isInd,
94        'isAdmin' => '0',
95        'name' => $name,
96        'image' => 'user.jpg'
97      );
98
99      // Email log in credentials
      to user
100     $this->email->clear();
101     $config['mailtype'] = "html
      ";
102     $this->email->initialize(
      $config);
103     $this->email->set_newline("\
      r\n");
104
105     $this->email->from('sysad.
      ecommerce.upm@gmail.com');
106     $this->email->to($user->
      email);
107     $this->email->subject('Log
      in Credentials [LEAf-UPM]');
108     $data = array(
        'name' => $name,
        'username' => $username,
        'password' => $password
      );
109     $htmlMessage = $this->parser
      ->parse('email_credentials',
      $data, true);
110     $this->email->message(
      $htmlMessage);
111     $isSent = $this->email->send
      ();
112     if(!$isSent) {
113       $this->session->
      set_flashdata("
      acctreq_message_err", "
      Approving failed. Email could
      not be sent due to internet
      connectivity problems. Please
      make sure that you are
      connected to the internet.");
114       redirect('administrator/
      acctreq');
115     }
116
117     $approved_id = $this->
      acctreq_model->insert_approved
      ($approved_data);
118
119   }
120   $this->acctreq_model->
      delete_records($acctreqs);
121   if($ctr == 1) {
122     $accreqs_message = "Account
      request has been approved.";
123   }
124   else if($ctr > 1) {
125     $accreqs_message = $ctr."
      account requests have been
126
127
128
129
```

```
129    approved.";
130    }
131  }
132  else if($this->input->post('
       submit') == 'Reject') {
133    $acctreqs = $this->input->
       post('acctreqs');
134    foreach($acctreqs as $acctreq
       ) {
135      $user = $this->acctreq_model
       ->get_unapproved($acctreq);
136      $name = $user->orgName;
137      if($user->isInd == 1) {
138        $name = $user->fName . " "
       . $user->mName . " " . $user->
       lName;
139      }
140      // Email user/s why account
       has been rejected
141      $this->email->clear();
142      $config['mailtype'] = "html
       ";
143      $this->email->initialize(
       $config);
144      $this->email->set_newline("\
       r\n");
145
146      $this->email->from('sysad.
       ecommerce.upm@gmail.com');
147      $this->email->to($user->
       email);
148      $this->email->subject('
       Account Request [LEAf-UPM]');
149      $data = array(
150        'name' => $name
151      );
152      $htmlMessage = $this->parser
       ->parse('
       email_rejected_account', $data
       , true);
153      $this->email->message(
       $htmlMessage);
154      $isSent = $this->email->send
       ();
155      if(!$isSent) {
156        $this->session->
       set_flashdata("
       acctreq_message_err", "
       Rejecting failed. Email could
       not be sent due to internet
       connectivity problems. Please
       make sure that you are
       connected to the internet.");
157        redirect('administrator/
       acctreq');
158      }
159    }
160    $count = $this->acctreq_model
```
```
       ->delete_records($this->input
       ->post('acctreqs'));
161    if($count == 1) {
162      $accreqs_message = "Account
       request has been deleted.";
163    }
164    else if($count > 1) {
165      $accreqs_message = $count."
       account requests have been
       deleted.";
166    }
167  }
168  $this->session->set_flashdata
       ("accreqs_message",
       $accreqs_message);
169  redirect("administrator/
       acctreq");
170  }
171  }
172
173  public function randomuser($len
       = 5) {
174  $user = '';
175  $lchar = 0;
176  $char = 0;
177  for($i = 0; $i < $len; $i++) {
178    while($char == $lchar) {
179      $char = rand(48, 109);
180      if($char > 57) $char += 7;
181      if($char > 90) $char += 6;
182    }
183    $user .= chr($char);
184    $lchar = $char;
185  }
186  return $user;
187  }
188
189  public function
       is_unique_username($username)
       {
190  $userlist = $this->db->query("
       SELECT `username` FROM `users
       `");
191  if ($userlist->num_rows() > 0)
       {
192    $userlist = $userlist->
       row_array();
193    foreach($userlist as $user) {
194      if ($user == $username) {
195        return false;
196      }
197    }
198    return true;
199  } else {
200    return true;
201  }
202  }
```

```
204  public function disable_account
         () {
205  if(empty($this->input->post('
         regaccts'))) {
206    $no_selected = "Nothing has
         been selected.";
207  }
208  else {
209    $deact = 0;
210    $act = 0;
211    $regaccts = $this->input->post
         ('regaccts');
212    foreach($regaccts as $regacct)
         {
213      $isDisabled = $this->
         registered_accounts_model->
         get_isDisabled($regacct);
214      if($isDisabled == 1) {
215        $this->
         registered_accounts_model->
         activate($regacct);
216        $deact++;
217      }
218      else {
219        $this->
         registered_accounts_model->
         disable($regacct);
220        $act++;
221      }
222    }
223    if($deact != 0) {
224      if($deact == 1) {
225        $act_message = "Account has
         been activated.";
226      }
227      else if($deact > 1) {
228        $act_message = $deact."
         accounts have been activated
         .";
229      }
230    }
231    if($act != 0) {
232      if($act == 1) {
233        $deact_message = "Account
         has been deactivated.";
234      }
235      else if($act > 1) {
236        $deact_message = $act."
         accounts have been deactivated
         .";
237      }
238    }
239  }
240  $this->session->set_flashdata("
         no_selected", $no_selected);
241  $this->session->set_flashdata("
         act_message", $act_message);
242  $this->session->set_flashdata("
```

```
         deact_message", $deact_message
         );
243  redirect('administrator/
         registered_accts');
244  }
245
246 }
```

Listing 2: Conversation.php

```
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
         allowed');
4
5 class Conversation extends
       MY_Controller {
6
7     function __construct() {
8         parent::__construct();
9     $this->init_user_header();
10    if(!$this->session->userdata('
         usertype')) {
11     redirect('home');
12    }
13     }
14
15   public function
         prior_view_conversation(
         $other_id) {
16    $user_id = $this->session->
         userdata('userid');
17    $convo_id = $this->
         conversation_model->
         get_conversation_id($user_id,
         $other_id);
18    $this->
         message_notifications_model->
         update_unread($user_id,
         $convo_id,0);
19    redirect('conversation/
         view_conversation/'.$other_id)
         ;
20  }
21
22  public function
         view_conversation($other_id) {
23    $data['file1'] = $this->
         user_model->get_image($this->
         session->userdata('userid'));
24    $data['file2'] = $this->
         user_model->get_image(
         $other_id);
25    $user_id = $this->session->
         userdata('userid');
26    $convo_id = $this->
         conversation_model->
         get_conversation_id($user_id,
         $other_id);
```

75

```
27   $data['other_name'] = $this->
       user_model->get_user_name(
       $other_id);
28   if($convo_id == 0) {
29    $to_add = array(
30     'first_user_id' => $user_id,
31     'second_user_id' => $other_id
32    );
33    $convo_id = $this->
       conversation_model->
       create_conversation($to_add);
34   }
35   $data['other_id'] = $other_id;
36   $data['convo_id'] = $convo_id;
37   $data['messages'] = $this->
       message_model->get_messages(
       $convo_id);
38   $names_sender = array();
39   foreach($data['messages'] as
       $mess) {
40    $name = $this->user_model->
       get_user_name($mess->sender_id
       );
41    array_push($names_sender,
       $name);
42   }
43   $data['names_sender'] =
       $names_sender;
44   if($this->session->userdata('
       usertype') == 'admin') {
45    $this->load->view('templates/
       admin_header', $this->
       header_data);
46   }
47   else {
48    $this->load->view('templates/
       user_header', $this->
       header_data);
49   }
50   $this->load->view('conversation
       ',$data);
51
52  }
53
54  public function view_all() {
55   $chatmates = array();
56   $chatmateids = array();
57   $unread_messages = array();
58   $data['conversations'] = $this
       ->conversation_model->
       get_conversations($this->
       session->userdata('userid'));
59   if(sizeof($data['conversations
       ']) > 0) {
60    foreach($data['conversations']
       as $convo){
61     $id = $convo->first_user_id;
62      if($id == $this->session->
```

```
       userdata('userid')) {
63     $id = $convo->second_user_id
       ;
64     }
65     array_push($chatmates, $this
       ->user_model->get_user_name(
       $id));
66     array_push($chatmateids, $id)
       ;
67     $num_unread = $this->
       message_notifications_model->
       get_unread($this->session->
       userdata('userid'), $convo->id
       );
68     if($num_unread == -1) {
69      $num_unread = 0;
70     }
71     array_push($unread_messages,
       $num_unread);
72    }
73   }
74   $data['chatmates'] = $chatmates
       ;
75   $data['chatmateids'] =
       $chatmateids;
76   $data['unread_messages'] =
       $unread_messages;
77   if($this->session->userdata('
       usertype') == 'admin') {
78    $this->load->view('templates/
       admin_header', $this->
       header_data);
79   }
80   else {
81    $this->load->view('templates/
       user_header', $this->
       header_data);
82   }
83   $this->load->view('
       view_all_convo',$data);
84  }
85
86 }
```

Listing 3: Feedback.php

```
1  <?php
2  if (!defined('BASEPATH'))
3      exit('No direct script access
        allowed');
4
5  class Feedback extends
       MY_Controller {
6
7      function __construct() {
8          parent::__construct();
9   $this->init_user_header();
10     }
11
```

76

```php
12   public function prior_view_all() {
13     $this->notifications_model->
       update_notif_read($this->
       session->userdata('userid'), "
       feedback");
14     redirect('feedback/view_all');
15   }
16
17   public function view_all() {
18     $data['feedbacks'] = $this->
       feedback_model->get_feedbacks
       ();
19     $this->load->view('templates/
       admin_header', $this->
       header_data);
20       $this->load->view('
       feedback', $data);
21   }
22
23   public function send_feedback()
       {
24     $email = $this->input->post('
       email');
25     $feedback = $this->input->post
       ('feedback');
26     $this->form_validation->
       set_rules('feedback','Feedback
       ','required');
27     $this->form_validation->
       set_rules('email','Email
       Address','required|valid_email
       ');
28     if ($this->form_validation->run
       () === false) {
29       $error_mess =
       validation_errors();
30       $this->session->set_flashdata
       ('error_mess',$error_mess);
31       redirect("home/index");
32     }
33     else {
34       date_default_timezone_set('
       America/Anchorage');
35       $date = date('Y-m-d H:i:s');
36       $data = array(
37         'email' => $email,
38         'date_feedback' => $date,
39         'content' => $feedback
40       );
41       $this->feedback_model->
       add_feedback($data);
42
43       $notif_description = "Feedback
       from ".$email;
44       $notif_data = array(
45         'userid' => 1,
46         'date_notification' => $date,
47         'description' =>
       $notif_description,
48         'is_read' => 0,
49         'type' => 'feedback'
50       );
51       $this->notifications_model->
       insert_notification(
       $notif_data);
52       $this->session->set_flashdata
       ('success_mess',"Your feedback
       has been submitted! Thank you
       for your input!");
53       redirect("home/index");
54     }
55   }
56
57 }
```

Listing 4: Home.php

```php
1  <?php
2  if (!defined('BASEPATH'))
3      exit('No direct script access
       allowed');
4
5  class Home extends CI_Controller
       {
6      function __construct() {
7          parent::__construct();
8      }
9
10     public function index() {
11       $data['new_products'] = $this->
       product_model->
       get_new_products();
12       if(empty($data['new_products'])
       ) {
13       $data['norecords'] = "No
       records found";
14     }
15       $this->load->view('templates/
       header');
16          $this->load->view('home',
       $data);
17       $this->load->view('templates/
       footer');
18      }
19
20   public function register() {
21     if(($this->session->userdata('
       username'))) {
22     redirect('user');
23     }
24     $this->load->view('templates/
       header');
25     $this->load->view('register');
26     $this->load->view('templates/
       footer');
27   }
```

```
28
29  public function request() {
30   $data['prodcats'] = $this->
      product_category_model->
      get_data();
31   $this->load->view('templates/
      header');
32   $this->load->view('request',
      $data);
33   $this->load->view('templates/
      footer');
34  }
35
36  public function login() {
37   if(($this->session->userdata('
      username'))) {
38    redirect('user');
39   }
40   $this->load->view('templates/
      header');
41   $this->load->view('login');
42   $this->load->view('templates/
      footer');
43  }
44
45  public function about() {
46   $this->load->view('templates/
      header');
47   $this->load->view('about');
48   $this->load->view('templates/
      footer');
49  }
50
51  public function
      filtered_products() {
52   $prodcats = $this->input->post
      ('prodcat');
53   $fromdate = $this->input->post
      ('fromdate');
54   $todate = $this->input->post('
      todate');
55   $prodcats_sess = $this->session
      ->userdata('prodcats');
56   if($prodcats == null &&
      $fromdate == null && $todate
      == null && $this->session->
      userdata('prodcats') == null
      && $this->session->userdata('
      fromdate') == null && $this->
      session->userdata('todate') ==
      null) {
57    redirect('home/browse_products
      ');
58   }
59   if($prodcats != null) {
60    $this->session->set_userdata('
      prodcats', $prodcats);
61    $data['checked'] = $this->
```

```
      session->userdata('prodcats');
62   }
63   else if($prodcats == null) {
64    $prodcats = $this->session->
      userdata('prodcats');
65    $data['checked'] = $prodcats;
66   }
67   if($fromdate != null) {
68    $this->session->set_userdata('
      fromdate', $fromdate);
69    $data['fromdate'] = $this->
      session->userdata('fromdate');
70   }
71   else if($fromdate == null) {
72    $fromdate = $this->session->
      userdata('fromdate');
73    $data['fromdate'] = $fromdate;
74   }
75   if($todate != null) {
76    $this->session->set_userdata('
      todate', $todate);
77    $data['todate'] = $this->
      session->userdata('todate');
78   }
79   else if($todate == null) {
80    $todate = $this->session->
      userdata('todate');
81    $data['todate'] = $todate;
82   }
83
84   $config = array();
85   $config['full_tag_open'] = '<ul
      class="pagination">';
86    $config['full_tag_close']
      = '</ul>';
87    $config['first_link'] =
      false;
88    $config['last_link'] =
      false;
89    $config['first_tag_open']
      = '<li>';
90    $config['first_tag_close
      '] = '</li>';
91    $config['prev_link'] = '&
      laquo';
92    $config['prev_tag_open']
      = '<li class="prev">';
93    $config['prev_tag_close']
      = '</li>';
94    $config['next_link'] = '&
      raquo';
95    $config['next_tag_open']
      = '<li>';
96    $config['next_tag_close']
      = '</li>';
97    $config['last_tag_open']
      = '<li>';
98    $config['last_tag_close']
```

78

```php
99          = '</li >';
            $config['cur_tag_open'] =
            '<li class="active"><a href
            ="#">';
100         $config['cur_tag_close']
            = '</a></li >';
101         $config['num_tag_open'] =
            '<li >';
102         $config['num_tag_close']
            = '</li >';
103      $config["base_url"] = base_url
         () . "index.php/home/
         filtered_products";
104         $config["total_rows"] =
         $this->product_model->
         record_count_filtered(
         $prodcats,$fromdate,$todate);
105      //echo $config['total_rows'];
106      if($config["total_rows"] == 0)
         {
107      $data['no_records'] = "No
         records to show.";
108      $this->load->view('templates/
         header');
109      $this->load->view('
         browse_products',$data);
110      $this->load->view('templates/
         footer');
111
112      }
113      else {
114      $config["per_page"] = 9;
115      $page = ($this->uri->segment
         (3)) ? $this->uri->segment(3)
         : 0;
116      $config["uri_segment"] = 3;
117      $choice = $config["total_rows
         "] / $config["per_page"];
118      $config["num_links"] = floor(
         $choice);
119
120      $this->pagination->initialize(
         $config);
121
122      $data["product_advs"] = $this
         ->product_model->
         fetch_product_filtered($config
         ["per_page"],$page,$prodcats,
         $fromdate,$todate);
123      $data["links"] = $this->
         pagination->create_links();
124
125      $data['prodcats'] = $this->
         product_category_model->
         get_data();
126      $this->load->view('templates/
         header');
127      $this->load->view('
            browse_products',$data);
128      $this->load->view('templates/
         footer');
129      }
130
131      }
132
133      public function browse_products
         () {
134      $this->session->unset_userdata
         ('search_term');
135      $this->session->unset_userdata
         ('prodcats');
136      $this->session->unset_userdata
         ('fromdate');
137      $this->session->unset_userdata
         ('todate');
138      $config = array();
139      $config['full_tag_open'] = '<ul
          class="pagination">';
140         $config['full_tag_close']
         = '</ul >';
141         $config['first_link'] =
         false;
142         $config['last_link'] =
         false;
143         $config['first_tag_open']
         = '<li >';
144         $config['first_tag_close
         '] = '</li >';
145         $config['prev_link'] = '&
         laquo';
146         $config['prev_tag_open']
         = '<li class="prev">';
147         $config['prev_tag_close']
          = '</li >';
148         $config['next_link'] = '&
         raquo';
149         $config['next_tag_open']
         = '<li >';
150         $config['next_tag_close']
          = '</li >';
151         $config['last_tag_open']
         = '<li >';
152         $config['last_tag_close']
          = '</li >';
153         $config['cur_tag_open'] =
         '<li class="active"><a href
         ="#">';
154         $config['cur_tag_close']
         = '</a></li >';
155         $config['num_tag_open'] =
         '<li >';
156         $config['num_tag_close']
         = '</li >';
157      $config["base_url"] = base_url
         () . "index.php/home/
         browse_products";
```

```
158        $config["total_rows"] =
           $this->product_model->
           record_count_all();
159
160    if($config["total_rows"] == 0)
       {
161    $data['no_records'] = "No
       records to show.";
162    $this->load->view('templates/
       header');
163    $this->load->view('
       browse_products',$data);
164    $this->load->view('templates/
       footer');
165
166    }
167    else {
168    $config["per_page"] = 9;
169    $page = ($this->uri->segment
       (3)) ? $this->uri->segment(3)
       : 0;
170    $config["uri_segment"] = 3;
171    $choice = $config["total_rows
       "] / $config["per_page"];
172    $config["num_links"] = floor(
       $choice);
173
174    $this->pagination->initialize(
       $config);
175
176    $data["product_advs"] = $this
       ->product_model->
       fetch_product_advertised_all(
       $config["per_page"], $page);
177    $data["links"] = $this->
       pagination->create_links();
178
179    $data['prodcats'] = $this->
       product_category_model->
       get_data();
180    $this->load->view('templates/
       header');
181    $this->load->view('
       browse_products',$data);
182    $this->load->view('templates/
       footer');
183
184    }
185    }
186
187 }
```

Listing 5: Login.php

```
 1 <?php
 2 if (!defined('BASEPATH'))
 3     exit('No direct script access
       allowed');
 4
 5 class Login extends CI_Controller
     {
 6     function __construct() {
 7         parent::__construct();
 8     }
 9
10 public function index() {
11   $this->form_validation->
     set_rules('username', '
     username', 'required');
12   $this->form_validation->
     set_rules('password', '
     password', 'required');
13   if ($this->form_validation->run
     () == false) {
14   $this->load->view('templates/
     header');
15   $this->load->view('login');
16   $this->load->view('templates/
     footer');
17 }
18   else {
19   $username = $this->input->post
     ('username');
20   $password = $this->input->post
     ('password');
21   $row_user = $this->login_model
     ->validate_user($username,md5(
     $password));
22   if (!empty($row_user)) {
23    if($row_user->isAdmin == 1) {
24     $this->session->set_userdata
     ('username', $username);
25     $this->session->set_userdata
     ('userid', $row_user->id);
26     $this->session->set_userdata
     ('usertype', 'admin');
27     redirect('user');
28    }
29    else if($row_user->isAdmin ==
     0) {
30     if($row_user->isDisabled ==
     1) {
31     $data['login_error'] = "
     Your account is currently
     disabled. Please contact the
     System Administrator.";
32       $this->load->view('
     templates/header');
33       $this->load->view('login',
     $data);
34       $this->load->view('
     templates/footer');
35     }
36     else {
37     $this->session->
     set_userdata('username',
     $username);
```

```
38        $this->session->
      set_userdata('userid',
      $row_user->id);
39        $this->session->
      set_userdata('usertype', '
      registered_user');
40        redirect('user');
41      }
42    }
43           }
44    else {
45    $data['login_error'] = "
      Invalid username/password
      combination!";
46    $this->load->view('templates/
      header');
47    $this->load->view('login',
      $data);
48    $this->load->view('templates/
      footer');
49           }
50  }
51
52  }
53 }
```

Listing 6: Logout.php

```
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class Logout extends
      CI_Controller {
6     function __construct() {
7         parent::__construct();
8     }
9
10  public function index() {
11   $this->session->sess_destroy();
12   redirect('home');
13  }
14
15 }
```

Listing 7: Message.php

```
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class Message extends
      CI_Controller {
6
7     function __construct() {
8         parent::__construct();
```

```
9   if (!($this->session->userdata('
    username'))) {
10    redirect('home/login');
11  }
12    }
13
14  public function send_message(
    $convo_id) {
15   $sender_id = $this->session->
    userdata('userid');
16   $content = $this->input->post('
    content');
17   date_default_timezone_set('
    America/Anchorage');
18   $date = date('Y-m-d H:i:s');
19   $to_add = array(
20    'convo_id' => $convo_id,
21    'date_message' => $date,
22    'sender_id' => $sender_id,
23    'content' => $content
24   );
25   $this->message_model->
    insert_message($to_add);
26
27   $other_id = $this->input->post
    ('other_id');
28
29   $unread = $this->
    message_notifications_model->
    get_unread($other_id,
    $convo_id);
30   if($unread == -1) {
31    $to_add = array(
32     'userid' => $other_id,
33     'conversation_id' =>
    $convo_id,
34     'unread_messages' => 1
35    );
36    $this->
    message_notifications_model->
    create_notif($to_add);
37   }
38   else {
39    $updated_unread = $unread + 1;
40    $this->
    message_notifications_model->
    update_unread($other_id,
    $convo_id, $updated_unread);
41   }
42
43   redirect('conversation/
    view_conversation/'.$other_id)
    ;
44  }
45
46 }
```

Listing 8: MY_Controller.php

```php
1  <?php
2  if (!defined('BASEPATH'))
3      exit('No direct script access
       allowed');
4
5  class MY_Controller extends
       CI_Controller {
6
7   var $header_data = array();
8
9      function __construct() {
10         parent::__construct();
11     }
12
13  public function init_user_header
       () {
14   //message_notifications
15   $unread_list = array();
16   $unread_list_senders = array();
17   $unread_list_senderids = array
       ();
18   $convo_ids = $this->
       message_notifications_model->
       get_convoids_unread($this->
       session->userdata('userid'));
19   foreach($convo_ids as $convo_id
       ) {
20    $unread = $this->message_model
       ->get_unread_list($convo_id->
       conversation_id);
21    array_push($unread_list,
       $unread);
22    array_push(
       $unread_list_senders, $this->
       user_model->get_user_name(
       $unread->sender_id));
23    array_push(
       $unread_list_senderids, $unread
       ->sender_id);
24   }
25   $this->header_data['username']
       = $this->session->userdata('
       username');
26   $this->header_data['
       unread_convo'] = $this->
       message_notifications_model->
       get_number_unread($this->
       session->userdata('userid'));
27   $this->header_data['
       unread_convo_list'] =
       $unread_list;
28   $this->header_data['
       unread_list_senders'] =
       $unread_list_senders;
29   $this->header_data['
       unread_list_senderids'] =
       $unread_list_senderids;
30
31   //transaction notifications
32   $this->header_data['
       unread_notifications'] = $this
       ->notifications_model->
       get_unread_notifs($this->
       session->userdata('userid'));
33  }
34
35 }
```

Listing 9: Notification.php

```php
1  <?php
2  if (!defined('BASEPATH'))
3      exit('No direct script access
       allowed');
4
5  class Notification extends
       MY_Controller {
6
7      function __construct() {
8          parent::__construct();
9   $this->init_user_header();
10   if(!$this->session->userdata('
       usertype')) {
11   redirect('home');
12   }
13     }
14
15  public function view_all() {
16   if($this->session->userdata('
       usertype') == 'admin') {
17   $this->load->view('templates/
       admin_header', $this->
       header_data);
18   }
19   else {
20   $this->load->view('templates/
       user_header', $this->
       header_data);
21   }
22   $data['notifications'] = $this
       ->notifications_model->
       get_notif($this->session->
       userdata('userid'));
23   $this->load->view('
       view_all_notifications', $data
       );
24  }
25
26 }
```

Listing 10: Product.php

```php
1  <?php
2  if (!defined('BASEPATH'))
3      exit('No direct script access
       allowed');
```

```
4
5    class Product extends
         MY_Controller {
6
7    var $header_data = array();
8
9        function __construct() {
10           parent::__construct();
11    $this->init_user_header();
12        }
13
14   public function view_all() {
15     $sellers = array();
16     $data['prod_advs'] = $this->
          product_model->
          get_all_advertised();
17     foreach($data['prod_advs'] as
          $prod) {
18     array_push($sellers, $this->
          user_model->get_user_name(
          $prod->userid));
19     }
20     $data['sellers'] = $sellers;
21     $this->load->view('templates/
          admin_header', $this->
          header_data);;
22     $this->load->view('
          view_products',$data);
23   }
24
25   public function delete_product()
          {
26     $prods = $this->input->post('
          prods');
27     if(empty($prods)) {
28       $this->session->set_flashdata
          ("nothing_selected", "Nothing
          has been selected.");
29     }
30     else {
31       if($this->input->post('submit
          ') == 'Submit') {
32         $curr_status = $this->
          product_model->get_isActive(
          $prods);
33         if($curr_status == 'NO') {
34           $this->session->
          set_flashdata('error_mess', '
          Deactivating product
          advertisement failed because
          product is already deactivated
          .');
35           redirect('product/view_all
          ');
36         }
37         $this->form_validation->
          set_rules('reason','Reason','
          required');
38         if ($this->form_validation->
          run() === false) {
39           $this->session->
          set_flashdata('no_reason', '
          Deactivating product
          advertisement failed. Please
          input the reason.');
40           redirect('product/view_all
          ');
41         }
42         else {
43         //Message seller the reason
          for deactivating the product
          advertised
44           $product = $this->
          product_model->
          get_product_advertised($prods)
          ;
45           $receiver_id = $product->
          userid;
46           $sender_id = $this->session
          ->userdata('userid');
47           $convo_id = $this->
          conversation_model->
          get_conversation_id(
          $receiver_id,$sender_id);
48           if($convo_id == 0) {
49             $to_add = array(
50               'first_user_id' =>
          $receiver_id,
51               'second_user_id' =>
          $sender_id
52             );
53             $convo_id = $this->
          conversation_model->
          create_conversation($to_add);
54           }
55           $content = "PRODUCT
          ADVERTISED ".$product->name. "
          DEACTIVATED: ".$this->input->
          post('reason');
56           date_default_timezone_set('
          America/Anchorage');
57           $date = date('Y-m-d H:i:s')
          ;
58           $to_add = array(
59             'convo_id' => $convo_id,
60             'date_message' => $date,
61             'sender_id' => $sender_id,
62             'content' => $content
63           );
64           $this->message_model->
          insert_message($to_add);
65
66           //for message notifications
67           $unread = $this->
          message_notifications_model->
          get_unread($receiver_id,
```

```php
                                               product_model->get_isActive(
        $convo_id );                           $prods );
68        if($unread == −1) {                    if($curr_status == 'YES') {
69         $to_add = array(              99         $this->session->
70          'userid' => $receiver_id ,100      set_flashdata('error_mess ', '
71          'conversation_id ' =>              Activating product
        $convo_id ,                            advertisement failed because
72          'unread_messages' => 1            product is already activated
73         );                                  .');
74         $this->                      101       redirect('product/view_all
        message_notifications_model->     ');
        create_notif($to_add);         102     }
75        }                            103     $product = $this->
76       else {                               product_model->
77         $updated_unread = $unread           get_product_advertised($prods)
        + 1;                                   ;
78         $this->                      104     $notif_description = "
        message_notifications_model->     Product advertised ".$product
        update_unread($receiver_id ,          ->name." has been activated by
        $convo_id ,$updated_unread);           the Sytem Administrator and
79       }                                    is being advertised .";
80                                     105     $this->product_model->
81       //add as notification to  105    activate($product->id);
        the seller                             $this->session->
82       $notif_description = "     106    set_flashdata('
        Product advertised ".$product         product_disabled ', 'Product
        ->name." has been temporarily         has been activated and can be
        deactivated by the System             advertised . The seller has
        Administrator .";                      been informed of this action
83       $notif_data = array(                 .');
84        'userid' => $product->
        userid ,                      107
85        'date_notification ' =>    108     //add as notification to the
        $date ,                                seller
86        'description ' =>          109     date_default_timezone_set ('
        $notif_description ,                   America/Anchorage ');
87        'is_read ' => 0,           110     $date = date('Y−m−d H:i:s ');
88        'type' => '                111     $notif_data = array(
        product_disabled '           112      'userid' => $product->
89       );                                   userid ,
90       $this->notifications_model 113      'date_notification ' =>
        ->insert_notification (                $date ,
        $notif_data);                 114      'description ' =>
91                                            $notif_description ,
92       $this->product_model->     115      'is_read ' => 0,
        deactivate($product->id);     116      'type' => 'product_disabled
93       $this->session->                      '
        set_flashdata('             117      );
        product_disabled ', 'Product 118     $this->notifications_model->
        has been deactivated and is           insert_notification (
        stopped from being advertised.        $notif_data);
         The seller has been informed119     $this->product_model->
        of this action .');                   activate($product->id);
94                                    120    }
95       }                           121
96      }                            122   }
97     else if($this->input->post('123  redirect('product/view_all ');
        submit ') == 'Yes') {        124 }
98       $curr_status = $this->      125
```

```php
126  public function
         edit_product_advertised(
         $prodid) {
127  if($this->session->userdata('
         usertype') == 'admin' || !
         $this->session->userdata('
         usertype')) {
128    redirect('home');
129  }
130  $data['product'] = $this->
         product_model->
         get_product_advertised($prodid
         );
131  $data['prodcats'] = $this->
         product_category_model->
         get_data();
132  $data['prodcatname'] = $this->
         product_category_model->
         getName($data['product']->
         prodcatid);
133  $this->load->view('templates/
         user_header', $this->
         header_data);
134  $this->load->view('
         edit_advertised',$data);
135  }
136
137  public function
         edit_advertisement() {
138  $prodid = $this->input->post('
         product_id');
139
140  $this->form_validation->
         set_rules('price', 'Price', '
         required');
141  $this->form_validation->
         set_rules('qty', 'Quantity',
         'required');
142  $this->form_validation->
         set_rules('description', '
         Description', 'required');
143  if ($this->form_validation->run
         () == false) {
144    $data['edit_adv_message'] =
         validation_errors();
145    $data['product'] = $this->
         product_model->
         get_product_advertised($prodid
         );
146    $data['prodcats'] = $this->
         product_category_model->
         get_data();
147    $data['prodcatname'] = $this->
         product_category_model->
         getName($data['product']->
         prodcatid);
148    $this->load->view('templates/
         user_header', $this->
         header_data);
149    $this->load->view('
         edit_advertised',$data);
150  }
151  else {
152
153    $price = $this->input->post('
         price');
154    $quantity = $this->input->post
         ('qty');
155    $description = $this->input->
         post('description');
156    $prodcatid = $this->input->
         post('category');
157    $isTrad = 0;
158    if($this->input->post('isTrad
         ') == 'yes') {
159      $isTrad = 1;
160    }
161    $product_to_update = array(
162      'quantity' => $quantity,
163      'prodcatid' => $prodcatid,
164      'price' => $price,
165      'isTrad' => $isTrad,
166      'description' => $description
167    );
168    $this->product_model->
         update_product_advertised(
         $prodid,$product_to_update);
169
170    //FOR MULTIPLE UPLOADS
171    if(!empty($_FILES['other_files
         ']['name'][0])) {
172      $uploads = $this->
         upload_model->get_uploads(
         $prodid);
173      foreach($uploads as $upload)
         {
174        $file = $upload->name;
175        $path = './assets/uploads/'.
         $file;
176        unlink($path);
177      }
178      $this->upload_model->
         delete_uploads($prodid);
179      $number_of_files = sizeof(
         $_FILES['other_files']['name
         ']);
180      $files = $_FILES['other_files
         '];
181      for ($i = 0; $i <
         $number_of_files; $i++) {
182        $this->load->library('upload
         ');
183        $config['upload_path'] = '
         assets/uploads';
184        $config['allowed_types'] = '
         jpg|jpeg|png';
```

```
185    $array = explode('.', $files
       ['name'][$i]);
186    $extension = end($array);
187    $index_num = $i + 2;
188    $name = $prodid."-".
       $index_num.".".$extension;
189    $config['file_name'] = $name
       ;
190
191    $_FILES['other_files']['name
       '] = $files['name'][$i];
192    $_FILES['other_files']['type
       '] = $files['type'][$i];
193    $_FILES['other_files']['
       tmp_name'] = $files['tmp_name
       '][$i];
194    $_FILES['other_files']['
       error'] = $files['error'][$i];
195    $_FILES['other_files']['size
       '] = $files['size'][$i];
196
197    $this->upload->initialize(
       $config);
198    if (!$this->upload->
       do_upload('other_files')) {
199    $this->product_model->
       delete_product_advertised(
       $prodid);
200    $data['prodcats'] = $this->
       product_category_model->
       get_data();
201    $data['adv_mess'] = $this->
       upload->display_errors();
202    $this->load->view('
       templates/user_header', $this
       ->header_data);
203    $this->load->view('
       advertise',$data);
204    }
205    else {
206    $data = array(
207      'prodid' => $prodid,
208      'name' => $name
209    );
210    $this->load->model('
       upload_model');
211    $this->upload_model->add(
       $data);
212    }
213    }
214  }
215
216    //FOR UPLOADS
217    if(!empty($_FILES['file1']['
       name'])) {
218    $file = $this->product_model
       ->get_image($prodid);
219    $path = './assets/uploads/'.
```

```
       $file;
220    unlink($path);
221    $this->load->library('upload
       ');
222    $config['upload_path'] = '
       assets/uploads';
223    $config['allowed_types'] = '
       jpg|jpeg|png';
224    $config['max_size'] = '5000';
225    $name = $prodid.$_FILES['
       file1']['name'];
226    $config['file_name'] = $name;
227    $this->upload->initialize(
       $config);
228    if (!$this->upload->do_upload
       ('file1')) {
229    $this->session->
       set_flashdata('image_err', "
       Image was not uploaded because
        it exceeds the minimum image
       size.");
       redirect('product/
       view_product_advertised/'.
       $prodid);
230    }
231    }
232    $this->product_model->
       update_image_name($prodid,
       $name);
233    }
234    $this->session->set_flashdata
       ('success_edit_adv', "
       Successfully edited product
       advertised!");
235    redirect('product/
       view_product_advertised/'.
       $prodid);
236  }
237  }
238
239  public function
       view_product_advertised(
       $prodid) {
240    if(!($this->session->userdata('
       username'))) {
241    redirect('home');
242    }
243    $data['other_images'] = $this->
       upload_model->get_uploads(
       $prodid);
244    $data['product_info'] = $this->
       product_model->
       get_product_advertised($prodid
       );
245    $data['prodcat'] = $this->
       product_category_model->
       getName($data['product_info
       ']->prodcatid);
246    if($this->session->userdata('
```

```php
                                                    275     if ($this->form_validation->run
          usertype') == 'admin') {                          () == false) {
247     $this->load->view('templates/         276     $data['prodcats'] = $this->
          admin_header', $this->                           product_category_model->
          header_data);                                     get_data();
248     }                                         277     $data['adv_mess'] =
249     else {                                            validation_errors();
250       $this->load->view('templates/       278     $this->load->view('templates/
            user_header', $this->                          user_header', $this->
            header_data);                                   header_data);
251     }                                         279     $this->load->view('advertise',
252     $this->load->view('                              $data);
          viewadvertised',$data);              280     }
253                                             281     else {
254     }                                         282     $name = $this->input->post('
255                                                      name');
256     public function advertise() {           283     $price = $this->input->post('
257     if ($this->session->userdata('                  price');
          usertype') == 'admin' || !          284     $quantity = $this->input->post
          $this->session->userdata('                      ('qty');
          usertype')) {                          285     $description = $this->input->
258       redirect('home');                             post('description');
259     }                                         286     $prodcatid = $this->input->
260     $data['prodcats'] = $this->                    post('category');
          product_category_model->           287     $isTrad = 0;
          get_data();                            288     if ($this->input->post('isTrad
261     $this->load->view('templates/                  ') == 'yes') {
          user_header', $this->                 289      $isTrad = 1;
          header_data);                          290     }
262     $this->load->view('advertise',        291     date_default_timezone_set('
          $data);                                       America/Anchorage');
263     }                                         292     $date = date('Y-m-d H:i:s');
264                                             293     $product_to_add = array(
265     public function                          294      'name' => $name,
          send_advertisement() {               295      'quantity' => $quantity,
266     $this->form_validation->            296      'userid' => $this->session->
          set_rules('name','Product Name            userdata('userid'),
          ','required');                         297      'prodcatid' => $prodcatid,
267     $this->form_validation->            298      'price' => $price,
          set_rules('price','Price','         299      'isTrad' => $isTrad,
          required|integer');                   300      'dateAdv' => $date,
268     $this->form_validation->            301      'description' => $description
          set_rules('category','Product              ,
          Category','required');                302      'image' => '',
269     $this->form_validation->            303      'isActive' => 'YES'
          set_rules('qty','Quantity','        304     );
          required|integer');                   305
270     $this->form_validation->            306     $prodid = $this->product_model
          set_rules('isTrad','Is                        ->insert_adv($product_to_add);
          Tradeable','required');               307
271     $this->form_validation->            308     //FOR MULTIPLE UPLOADS
          set_rules('description','            309     if (!empty($_FILES['other_files
          Description','required');                      ']['name'][0])) {
272     if (empty($_FILES['file1']['        310      $number_of_files = sizeof(
          name'])) {                                     $_FILES['other_files']['name
273       $this->form_validation->                     ']);
            set_rules('file1', 'Image', '        311      $files = $_FILES['other_files
            required');                                  '];
274     }
```

```
312    for ($i = 0; $i <                       345    }
       $number_of_files; $i++) {               346
313      $this->load->library('upload         347    //FOR UPLOADS
       ');                                      348    $this->load->library('upload')
314      $config['upload_path'] = '                   ;
       assets/uploads';                         349    $config['upload_path'] = '
315      $config['allowed_types'] = '                 assets/uploads';
       jpg|jpeg|png';                           350    $config['allowed_types'] = '
316      $array = explode('.', $files                 jpg|jpeg|png';
       ['name'][$i]);                           351    $config['max_size'] = '5000';
317      $extension = end($array);             352    $name = $prodid.$_FILES['file1
318      $index_num = $i + 2;                          ']['name'];
319      $name = $prodid."−".                   353    $config['file_name'] = $name;
       $index_num."."."$extension;             354    $this->upload->initialize(
320      $config['file_name'] = $name                  $config);
       ;                                        355    if (!$this->upload->do_upload
321                                                    ('file1')) {
322      $_FILES['other_files']['name          356      $this->product_model->
       '] = $files['name'][$i];                       delete_product_advertised(
323      $_FILES['other_files']['type                  $prodid);
       '] = $files['type'][$i];                 357      $data['prodcats'] = $this->
324      $_FILES['other_files']['                      product_category_model->
       tmp_name'] = $files['tmp_name                  get_data();
       '][$i];                                  358      $data['adv_mess'] = $this->
325      $_FILES['other_files']['                      upload->display_errors();
       error'] = $files['error'][$i]           359      $this->load->view('templates/
326      $_FILES['other_files']['size                  user_header', $this->
       '] = $files['size'][$i];                       header_data);
327                                              360      $this->load->view('advertise
328      $this->upload->initialize(                    ',$data);
       $config);                                361    } else {
329      if (!$this->upload->                   362      $filename = $name;
       do_upload('other_files')) {             363      $this->product_model->
330        $this->product_model->                       update_image_name($prodid,
       delete_product_advertised(                     $filename);
       $prodid);                                364      $adv_mess = "Product
331        $data['prodcats'] = $this->                 successfully added on list of
       product_category_model->                       advertisements";
       get_data();                              365      $this->session->set_flashdata
332        $data['adv_mess'] = $this->                ("adv_mess", $adv_mess);
       upload->display_errors();               366      redirect('product/
333        $this->load->view('                         view_advertised');
       templates/user_header', $this           367    }
       ->header_data);                          368  }
334        $this->load->view('                  369  }
       advertise',$data);                       370
335      }                                       371  public function view_advertised
336      else {                                         () {
337        $data = array(                       372    if($this->session->userdata('
338          'prodid' => $prodid,                       usertype') == 'admin' || !
339          'name' => $name                           $this->session->userdata('
340        );                                           usertype')) {
341        $this->load->model('                 373      redirect('home');
       upload_model');                          374    }
342        $this->upload_model->add(            375    $config = array();
       $data);                                  376    $config['full_tag_open'] = '<ul
343      }                                             class="pagination">';
344    }                                         377      $config['full_tag_close']
```

```php
                        = '</ul>';
378         $config['first_link'] =
      false;
379         $config['last_link'] =
      false;
380         $config['first_tag_open']
      = '<li>';
381         $config['first_tag_close
      '] = '</li>';
382         $config['prev_link'] = '&
      laquo';
383         $config['prev_tag_open']
      = '<li class="prev">';
384         $config['prev_tag_close']
      = '</li>';
385         $config['next_link'] = '&
      raquo';
386         $config['next_tag_open']
      = '<li>';
387         $config['next_tag_close']
      = '</li>';
388         $config['last_tag_open']
      = '<li>';
389         $config['last_tag_close']
      = '</li>';
390         $config['cur_tag_open'] =
      '<li class="active"><a href
      ="#">';
391         $config['cur_tag_close']
      = '</a></li>';
392         $config['num_tag_open'] =
      '<li>';
393         $config['num_tag_close']
      = '</li>';
394
395         $config["base_url"] =
      base_url() . "index.php/
      product/view_advertised";
396         $config["total_rows"] =
      $this->product_model->
      record_count($this->session->
      userdata('userid'));
397    if($config["total_rows"] == 0)
      {
398    $data['no_records'] = "No
      records to show.";
399    $data['prod_type'] = "
      advertised";
400    $this->load->view('templates/
      user_header', $this->
      header_data);
401    $this->load->view('
      viewowned_advertised',$data);
402    }
403    else {
404    $config["per_page"] = 6;
405    $page = ($this->uri->segment
      (3)) ? $this->uri->segment(3)
```

```php
                        : 0;
406    $config["uri_segment"] = 3;
407    $choice = $config["total_rows
      "] / $config["per_page"];
408    $config["num_links"] = floor(
      $choice);

409    $this->pagination->initialize(
      $config);

410    $data["product_advs"] = $this
      ->product_model->
      fetch_product_advertised($this
      ->session->userdata('userid'),
      $config["per_page"], $page);
413    //echo $page;
414    $data["links"] = $this->
      pagination->create_links();
415    $data['prod_type'] = "
      advertised";
416    $this->load->view('templates/
      user_header', $this->
      header_data);
417    $this->load->view('
      viewowned_advertised',$data);
418    }
419    }

421    public function
      prior_list_advertised() {
422    $this->notifications_model->
      update_notif_read($this->
      session->userdata('userid'), "
      product_deleted");
423    $this->notifications_model->
      update_notif_read($this->
      session->userdata('userid'), "
      product_disabled");
424    redirect('product/
      list_advertised');
425    }

426
427    public function list_advertised
      () {
428    if($this->session->userdata('
      usertype') == 'admin' || !
      $this->session->userdata('
      usertype')) {
429    redirect('home');
430    }
431    $this->notifications_model->
      update_notif_read($this->
      session->userdata('userid'), "
      product_deleted");
432    $this->notifications_model->
      update_notif_read($this->
      session->userdata('userid'), "
      product_disabled");
```

```php
433   $prodcats_name = array();
434   $product_advs = $this->
        product_model->get_advertised(
        $this->session->userdata('
        userid'));
435   $data['product_advs'] =
        $product_advs;
436   foreach($product_advs as
        $product_adv) {
437    array_push($prodcats_name,
        $this->product_category_model
        ->getName($product_adv->
        prodcatid));
438   }
439   $data['prodcats_name'] =
        $prodcats_name;
440   $this->load->view('templates/
        user_header', $this->
        header_data);
441   $this->load->view('
        product_advertised',$data);
442  }
443
444  public function view_product(
        $prodid) {
445   $data['other_images'] = $this->
        upload_model->get_uploads(
        $prodid);
446   $data['product_info'] = $this->
        product_model->
        get_product_advertised($prodid
        );
447   $data['prodcat'] = $this->
        product_category_model->
        getName($data['product_info
        ']->prodcatid);
448   $data['same_prodcats'] = $this
        ->product_model->
        get_same_prodcatid($data['
        product_info']->prodcatid);
449   $data['seller'] = $this->
        user_model->get_user($data['
        product_info']->userid);
450   $data['prodcats'] = $this->
        product_category_model->
        get_data();
451   $data['is_traded'] = $this->
        trade_model->is_traded($this->
        session->userdata('userid'),
        $prodid);
452   if($data['product_info']->
        quantity == 0) {
453    $data['buyer'] = $this->
        user_model->get_user($this->
        product_bought_model->
        get_buyer($data['product_info
        ']->id));
454   }
455   $this->load->view('templates/
        header',$data);
456   $this->load->view('
        home_viewproduct',$data);
457   $this->load->view('templates/
        footer');
458  }
459
460 }
```

Listing 11: Product_Category.php

```php
1  <?php
2  if (!defined('BASEPATH'))
3      exit('No direct script access
         allowed');
4
5  class Product_category extends
       MY_Controller {
6      function __construct() {
7          parent::__construct();
8      $this->init_user_header();
9      }
10
11  public function index() {
12   if(!($this->session->userdata('
        username'))) {
13    redirect('home/login');
14   }
15   else {
16    $data['prod_cats'] = $this->
        product_category_model->
        get_data();
17    $this->load->view('templates/
        admin_header', $this->
        header_data);
18    $this->load->view('
        product_category', $data);
19   }
20  }
21
22  public function edit() {
23   if(empty($this->input->post('
        categories'))) {
24    $this->session->set_flashdata
        ('prodcat_mess', 'Nothing has
        been chosen.');
25    redirect('product_category');
26   }
27   else {
28    $id = $this->input->post('
        categories');
29    $data['prodcat'] = $this->
        product_category_model->
        get_category($id);
30    $this->load->view('templates/
        admin_header', $this->
        header_data);
```

```php
31    $this->load->view('
      edit_product_category', $data)
      ;
32  }
33 }

35  public function edit_proper() {
36   $this->form_validation->
       set_rules('name','Product
       Category Name','required');
37   if ($this->form_validation->run
       () === false) {
38    $this->session->set_flashdata
       ('edit_err','Rename
       unsuccessful. You did not
       input the new name');
39    redirect('product_category');
40   }
41   else {
42    $newname = $this->input->post
       ('name');
43    $prodcatid = $this->input->
       post('prodcatid');
44    $this->product_category_model
       ->rename_category($newname,
       $prodcatid);
45    $this->session->set_flashdata
       ('edit_success','Product
       Category has been renamed
       successfully!');
46    redirect('product_category');
47   }
48  }

50  public function add_view() {
51   $this->load->view('templates/
       admin_header', $this->
       header_data);
52   $this->load->view('
       add_product_category');
53  }

55  public function add() {
56   $this->form_validation->
       set_rules('name', 'Product
       Category Name', 'required|
       is_unique[product_category.
       name]');
57   if ($this->form_validation->run
       () === false) {
58    $data['prodcat_message'] =
       validation_errors();
59    $this->load->view('templates/
       admin_header', $this->
       header_data);
60    $this->load->view('
       add_product_category', $data);
61   }
62   else {
63    $name = $this->input->post('
       name');
64    $name_to_add = array('name' =>
        $name);
65    $this->product_category_model
       ->insert($name_to_add);
66    $data['prod_cats'] = $this->
       product_category_model->
       get_data();
67    $data['prodcat_message'] = "
       Product Category has been
       successfully added.";
68    $this->load->view('templates/
       admin_header', $this->
       header_data);
69    $this->load->view('
       product_category', $data);
70   }
71  }

73 }
```

Listing 12: Product_transaction.php

```php
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class Product_transaction extends
      MY_Controller {
6
7     function __construct() {
8         parent::__construct();
9   $this->init_user_header();
10    }
11
12  public function view_transaction
      ($transaction_id) {
13   if (!($this->session->userdata('
      username'))) {
14    redirect('home/login');
15   }
16   $prodid = $this->
      product_transaction_model->
      get_product_id($transaction_id
      );
17   $data['other_images'] = $this->
      upload_model->get_uploads(
      $prodid);
18   $data['product_info'] = $this->
      product_model->
      get_product_advertised($prodid
      );
19   $data['transaction_info'] =
      $this->
      product_transaction_model->
      get_product_transaction(
```

```php
                                              get_transaction_paid_nameids(
          $transaction_id);                   $seller_id);
20    $data['prodcat'] = $this->
      product_category_model->        46      foreach($buyer_ids as
      getName($data['product_info             $buyerid) {
      ']->prodcatid);                 47        array_push($ratings, $this->
21    $data['buyer_id'] = $this->             product_transaction_model->
      product_transaction_model->             get_rating_by_buyer($this->
      get_buyer_id($transaction_id);          session->userdata('userid'),
22    $data['seller_id'] = $this->    48      $buyerid->buyer_id));
      product_transaction_model->      49      }
      get_seller_id($transaction_id)          //new credibility only if it'
      ;                                       s the first time the seller
23    $data['buyer'] = $this->                had a transaction with this
      user_model->get_user_name(              buyer.
      $data['buyer_id']);             50      $get_ratings = $this->
24    $data['seller'] = $this->               product_transaction_model->
      user_model->get_user_name(              get_ratings($userid, $this->
      $data['seller_id']);                    session->userdata('userid'));
25    $this->load->view('templates/   51      if(sizeof($get_ratings) == 1)
      user_header', $this->                   {
      header_data);                   52        $this->user_model->
26    $this->load->view('viewproduct          new_credibility($seller_id,
      ',$data);                               $ratings);
27    }                               53      }
28                                    54      $product_name = $this->
29    public function edit_sold_status        product_model->
      () {                                    get_product_name($this->
30     $mess = "";                            product_transaction_model->
31     if(empty($this->input->post('          get_product_id($sold_prod));
       sold_prod'))) {                55      $mess = "Product transaction
32      $this->session->set_flashdata         has been successfully marked
       ("edit_sold_status_message_no          as paid.";
       ", "Nothing has been selected  56      $userid = $this->
       .");                                   product_transaction_model->
33      redirect("product_transaction/        get_buyer_id($sold_prod);
       list_sold");                   57      date_default_timezone_set('
34     }                                      America/Anchorage');
35     else {                         58      $date = date('Y-m-d H:i:s');
36      $sold_prod = $this->input->    59      $description = "Product
       post('sold_prod');                     transaction for ".
37      if($this->input->post('submit          $product_name." has been
       ') == 'Yes') {                         marked as paid. You might want
38       //paid product                        to rate the seller.";
39       $this->                       60      $notif_data = array(
       product_transaction_model->    61        'userid' => $userid,
       mark_paid($sold_prod);         62        'description' =>
40       $this->                             $description,
       product_transaction_model->    63        'is_read' => 0,
       mark_paid_score($sold_prod);   64        'date_notification' => $date
41       $userid = $this->                   ,
       product_transaction_model->    65        'type' => '
       get_buyer_id($sold_prod);             transaction_decision'
42       //credibility                 66      );
43       $ratings = array();           67      $this->notifications_model->
44       $seller_id = $this->session->         insert_notification(
       userdata('userid');                   $notif_data);
45       $buyer_ids = $this->          68     }
       product_transaction_model->    69     else {
```

```
70    //cancelled product
71    $qty = $this->
      product_transaction_model->
      get_quantity($sold_prod);
72    $prodid = $this->
      product_transaction_model->
      get_product_id($sold_prod);
73    $quantity_available = $this->
      product_model->get_quantity(
      $prodid);
74    $this->product_model->
      add_quantity($prodid,
      $quantity_available,$qty);
75    $mess = "Product transaction
      has been successfully
      cancelled.";
76    //insert as notification to
      the buyer
77    $product_name = $this->
      product_model->
      get_product_name($this->
      product_transaction_model->
      get_product_id($sold_prod));
78    $userid = $this->
      product_transaction_model->
      get_buyer_id($sold_prod);
79    date_default_timezone_set('
      America/Anchorage');
80    $date = date('Y-m-d H:i:s');
81    $description = "Product
      transaction for ".
      $product_name. " has been
      cancelled.";
82    $notif_data = array(
83      'userid' => $userid,
84      'description' =>
      $description,
85      'is_read' => 0,
86      'date_notification' => $date
      ,
87      'type' => '
      transaction_decision'
88    );
89    $this->notifications_model->
      insert_notification(
      $notif_data);
90    $this->
      product_transaction_model->
      delete_transaction($sold_prod)
      ;
91    }
92   }
93   $this->session->set_flashdata("
      edit_sold_status_message",
      $mess);
94   redirect("product_transaction/
      list_sold");
95  }

96
97  public function buy() {
98    $quantity_bought = $this->input
      ->post('quantity');
99    $product_bought_id = $this->
      input->post('prodid');
100   $buyer_id = $this->session->
      userdata('userid');
101   if($quantity_bought == 0) {
102    $this->session->set_flashdata
      ('no_quantity', 'Buying failed
      . Please select quantity.');
103    redirect('product/view_product
      /'.$product_bought_id);
104   }
105   $seller_id = $this->
      product_model->
      get_product_seller_id($this->
      input->post('prodid'));
106   $quantity_available = $this->
      product_model->get_quantity(
      $product_bought_id);
107   $this->product_model->
      update_quantity($this->input->
      post('prodid'),
      $quantity_available,
      $quantity_bought);
108   date_default_timezone_set('
      America/Anchorage');
109   $date = date('Y-m-d H:i:s');
110   $product_bought = array(
111    'product_id' =>
      $product_bought_id,
112    'buyer_id' => $buyer_id,
113    'seller_id' => $seller_id,
114    'quantity' => $quantity_bought
      ,
115    'dateTransaction' => $date,
116    'transaction_type' => 'REGULAR
      ',
117    'status' => 'UNPAID'
118   );
119   $transaction_id = $this->
      product_transaction_model->
      insert($product_bought);
120   //insert as notification to the
       seller
121   $buyer_name = $this->user_model
      ->get_user_name($buyer_id);
122   $product_bought_name = $this->
      product_model->
      get_product_name(
      $product_bought_id);
123   $description = $buyer_name. "
      bought ". $quantity_bought. "
      of ". $product_bought_name;
124   date_default_timezone_set('
      America/Anchorage');
```

```
125    $date = date('Y-m-d H:i:s');
126    $notif_data = array(
127     'userid' => $seller_id,
128     'description' => $description,
129     'is_read' => 0,
130     'date_notification' => $date,
131     'type' => 'transaction'
132    );
133    $this->notifications_model->
       insert_notification(
       $notif_data);
134    $bought_success = "Product
       successfully bought! Please
       pay the price to the seller as
       soon as possible. Thank you
       for buying :)";
135    if($quantity_bought > 1) {
136    $bought_success =
       $quantity_bought." products
       successfully bought! Please
       pay the price to the seller as
       soon as possible. Thank you
       for buying :)";
137    }
138    $this->session->set_flashdata("
       bought_success",
       $bought_success);
139    redirect('product_transaction/
       view_bought');
140
141   }
142
143   public function view_bought() {
144    $config = array();
145    $config['full_tag_open'] = '<ul
       class="pagination">';
146        $config['full_tag_close']
       = '</ul>';
147        $config['first_link'] =
       false;
148        $config['last_link'] =
       false;
149        $config['first_tag_open']
       = '<li>';
150        $config['first_tag_close
       '] = '</li>';
151        $config['prev_link'] = '&
       laquo';
152        $config['prev_tag_open']
       = '<li class="prev">';
153        $config['prev_tag_close']
       = '</li>';
154        $config['next_link'] = '&
       raquo';
155        $config['next_tag_open']
       = '<li>';
156        $config['next_tag_close']
       = '</li>';
157        $config['last_tag_open']
       = '<li>';
158        $config['last_tag_close']
       = '</li>';
159        $config['cur_tag_open'] =
       '<li class="active"><a href
       ="#">';
160        $config['cur_tag_close']
       = '</a></li>';
161        $config['num_tag_open'] =
       '<li>';
162        $config['num_tag_close']
       = '</li>';
163
164    $config["base_url"] = base_url
       () . "index.php/
       product_transaction/
       view_bought";
165        $config["total_rows"] =
       $this->
       product_transaction_model->
       record_count_bought($this->
       session->userdata('userid'));
166
167    if($config["total_rows"] == 0)
       {
168    $data['no_records'] = "No
       records to show.";
169    $data['prod_type'] = "bought";
170    $this->load->view('templates/
       user_header', $this->
       header_data);
171    $this->load->view('
       viewowned_bought',$data);
172   }
173   else {
174    $config["per_page"] = 6;
175    $page = ($this->uri->segment
       (3)) ? $this->uri->segment(3)
       : 0;
176    $config["uri_segment"] = 3;
177    $choice = $config["total_rows
       "] / $config["per_page"];
178    $config["num_links"] = floor(
       $choice);
179
180    $this->pagination->initialize(
       $config);
181
182    $data["product_advs"] = $this
       ->product_transaction_model->
       fetch_product_bought($this->
       session->userdata('userid'),
       $config["per_page"], $page);
183    $data["links"] = $this->
       pagination->create_links();
184
185    $data['prod_type'] = "bought";
```

```php
186    $prod_names = array();
187    $prod_prices = array();
188    $prod_images = array();
189    foreach($data["product_advs"]
       as $prod) {
190     array_push($prod_names,$this
       ->product_model->
       get_product_name($prod->
       product_id));
191     array_push($prod_prices,$this
       ->product_model->
       get_product_price($prod->
       product_id));
192     array_push($prod_images,$this
       ->product_model->get_image(
       $prod->product_id));
193    }
194    $data['prod_names'] =
       $prod_names;
195    $data['prod_prices'] =
       $prod_prices;
196    $data['prod_images'] =
       $prod_images;
197    $this->load->view('templates/
       user_header', $this->
       header_data);
198    $this->load->view('
       viewowned_bought',$data);
199   }
200 }
201
202 public function view_sold() {
203  $config = array();
204  $config['full_tag_open'] = '<ul
       class="pagination">';
205      $config['full_tag_close']
       = '</ul>';
206      $config['first_link'] =
       false;
207      $config['last_link'] =
       false;
208      $config['first_tag_open']
       = '<li>';
209      $config['first_tag_close
       '] = '</li>';
210      $config['prev_link'] = '&
       laquo';
211      $config['prev_tag_open']
       = '<li class="prev">';
212      $config['prev_tag_close']
       = '</li>';
213      $config['next_link'] = '&
       raquo';
214      $config['next_tag_open']
       = '<li>';
215      $config['next_tag_close']
       = '</li>';
216      $config['last_tag_open']
       = '<li>';
217      $config['last_tag_close']
       = '</li>';
218      $config['cur_tag_open'] =
       '<li class="active"><a href
       ="#">';
219      $config['cur_tag_close']
       = '</a></li>';
220      $config['num_tag_open'] =
       '<li>';
221      $config['num_tag_close']
       = '</li>';
222
223 $config["base_url"] = base_url
    () . "index.php/
    product_transaction/view_sold
    ";
       $config["total_rows"] =
    $this->
    product_transaction_model->
    record_count_sold($this->
    session->userdata('userid'));
224
225
226 if($config["total_rows"] == 0)
    {
227 $data['no_records'] = "No
    records to show.";
228 $data['prod_type'] = "sold";
229 $this->load->view('templates/
    user_header', $this->
    header_data);
230 $this->load->view('
    viewowned_sold',$data);
231 }
232 else {
233 $config["per_page"] = 6;
234 $page = ($this->uri->segment
    (3)) ? $this->uri->segment(3)
    : 0;
235 $config["uri_segment"] = 3;
236 $choice = $config["total_rows
    "] / $config["per_page"];
237 $config["num_links"] = floor(
    $choice);
238
239 $this->pagination->initialize(
    $config);
240
241 $data["product_advs"] = $this
    ->product_transaction_model->
    fetch_product_sold($this->
    session->userdata('userid'),
    $config["per_page"], $page);
242 $data["links"] = $this->
    pagination->create_links();
243
244 $data['prod_type'] = "sold";
245 $prod_names = array();
```

```
246    $prod_prices = array();                    ->product_model->
247    $prod_images = array();                     get_product_price(
248    foreach($data["product_advs"]               $product_bought->product_id));
       as $prod) {                          276    array_push($prod_sellers,$this
249      array_push($prod_names,$this              ->product_model->
       ->product_model->                          get_product_seller(
       get_product_name($prod->                    $product_bought->product_id));
       product_id));                        277    array_push($prodcats_name,
250      array_push($prod_prices,$this             $this->product_category_model
       ->product_model->                          ->getName($this->product_model
       get_product_price($prod->                  ->get_prodcatid(
       product_id));                              $product_bought->product_id)))
251      array_push($prod_images,$this            ;
       ->product_model->get_image(         278    }
       $prod->product_id));                 279    $data['prodcats_name'] =
252    }                                           $prodcats_name;
253    $data['prod_names'] =               280    $data['product_names'] =
       $prod_names;                                $prod_names;
254    $data['prod_prices'] =              281    $data['product_prices'] =
       $prod_prices;                               $prod_prices;
255    $data['prod_images'] =              282    $data['product_sellers'] =
       $prod_images;                               $prod_sellers;
256    $this->load->view('templates/      283    $this->load->view('templates/
       user_header', $this->                      user_header', $this->
       header_data);                              header_data);
257    $this->load->view('              284    $this->load->view('
       viewowned_sold',$data);                    product_bought',$data);
258    }                                   285    }
259   }                                    286
260                                        287   public function prior_list_sold
261   public function                            () {
       prior_list_bought() {             288    $this->notifications_model->
262    $this->notifications_model->              update_notif_read($this->
       update_notif_read($this->                 session->userdata('userid'), "
       session->userdata('userid'), "            transaction");
       transaction_decision");            289    redirect('product_transaction/
263    redirect('product_transaction/            list_sold');
       list_bought');                     290    }
264   }                                    291
265                                        292   public function list_sold() {
266   public function list_bought() {     293    $prodcats_name = array();
267    $prodcats_name = array();          294    $prod_names = array();
268    $prod_names = array();             295    $prod_prices = array();
269    $prod_prices = array();            296    $prod_buyers = array();
270    $prod_sellers = array();           297    $products_sold = $this->
271    $products_bought = $this->                product_transaction_model->
       product_transaction_model->               get_sold_product($this->
       get_bought_product($this->                session->userdata('userid'));
       session->userdata('userid'));      298    $data['products_sold'] =
272    $data['products_bought'] =                $products_sold;
       $products_bought;                   299    foreach($products_sold as
273    foreach($products_bought as               $product_sold) {
       $product_bought) {                  300    array_push($prod_names,$this->
274    array_push($prod_names,$this->            product_model->
       product_model->                           get_product_name($product_sold
       get_product_name(                         ->product_id));
       $product_bought->product_id))      301    array_push($prod_prices,$this
275    array_push($prod_prices,$this             ->product_model->
```

```
          get_product_price(
            $product_sold->product_id));
302     array_push($prod_buyers,$this
          ->user_model->get_user_name(
            $this->
            product_transaction_model->
            get_buyer_id($product_sold->id
            )));
303     array_push($prodcats_name,
          $this->product_category_model
          ->getName($this->product_model
          ->get_prodcatid($product_sold
          ->product_id)));
304     }
305     $data['prodcats_name'] =
          $prodcats_name;
306     $data['product_names'] =
          $prod_names;
307     $data['product_prices'] =
          $prod_prices;
308     $data['product_buyers'] =
          $prod_buyers;
309     $this->load->view('templates/
          user_header', $this->
          header_data);
310     $this->load->view('product_sold
          ',$data);
311     }
312
313 }
```

Listing 13: Register.php

```
 1  <?php
 2  if (!defined('BASEPATH'))
 3      exit('No direct script access
          allowed');
 4
 5  class Register extends
        CI_Controller {
 6      function __construct() {
 7          parent::__construct();
 8      }
 9
10   public function index() {
11    $this->form_validation->
          set_rules('email', 'Email
          Address', 'required|
          valid_email');
12    $this->form_validation->
          set_rules('upmid', 'UPM ID',
          required');
13    $this->form_validation->
          set_rules('college', 'College
          ', 'required');
14    $this->form_validation->
          set_rules('contactNum', '
          Contact Number', 'required|
          integer');
15    $this->form_validation->
          set_rules('isInd', 'Is
          Individual', 'required');
16    if($this->input->post('isInd')
          == 'yes') {
17     $this->form_validation->
          set_rules('fName', 'First Name
          ', 'required');
18     $this->form_validation->
          set_rules('mName', 'Middle
          Name', 'required');
19     $this->form_validation->
          set_rules('lName', 'Last Name
          ', 'required');
20    }
21    else if($this->input->post('
          isInd') == 'no') {
22     $this->form_validation->
          set_rules('orgName', '
          Organization Name', 'required
          ');
23    }
24    if ($this->form_validation->run
          () == false) {
25     $data['register_error'] =
          validation_errors();
26     $this->load->view('templates/
          header');
27     $this->load->view('register',
          $data);
28     $this->load->view('templates/
          footer');
29    }
30    else {
31     $email = $this->input->post('
          email');
32     $upmid = $this->input->post('
          upmid');
33     $college = $this->input->post
          ('college');
34     $contactNum = $this->input->
          post('contactNum');
35     $isInd = $this->input->post('
          isInd');
36     $fName = $mName = $lName =
          $orgName = "";
37     date_default_timezone_set('
          America/Anchorage');
38     $date = date('Y-m-d H:i:s');
39     if($isInd == 'yes') {
40      $fName = $this->input->post('
          fName');
41      $mName = $this->input->post('
          mName');
42      $lName = $this->input->post('
          lName');
43      $isInd = 1;
44     }
```

97

```php
45     else if($isInd == 'no') {
46      $orgName = $this->input->post
         ('orgName');
47      $isInd = 0;
48     }
49     $acctreq_data = array(
50      'dateAcctReq' => $date,
51      'email' => $email,
52      'upmid' => $upmid,
53      'college' => $college,
54      'contactNum' => $contactNum,
55      'isInd' => $isInd,
56      'fName' => $fName,
57      'mName' => $mName,
58      'lName' => $lName,
59      'orgName' => $orgName
60     );
61     $this->acctreq_model->
         insert_data($acctreq_data);
62
63     $mess = "Your account request
         has reached the System
         Administrator. Just check your
          email for your login
         credentials.";
64     $this->session->set_flashdata
         ("register_success", $mess);
65
66     //send as notification to
         admin
67     date_default_timezone_set('
         America/Anchorage');
68     $date = date('Y-m-d H:i:s');
69     $notif_description = "New
         account request from ".$email;
70     $notif_data = array(
71      'userid' => 1,
72      'date_notification' => $date,
73      'description' =>
         $notif_description,
74      'is_read' => 0,
75      'type' => '
         new_account_requests'
76     );
77     $this->notifications_model->
         insert_notification(
         $notif_data);
78     redirect('home/register');
79    }
80
81  }
82
83 }
```

Listing 14: Request.php

```php
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class Request extends
      MY_Controller {
6
7     function __construct() {
8         parent::__construct();
9   $this->load->library('email');
10  $this->load->library('parser');
11  $this->init_user_header();
12    }
13
14 public function hi() {
15  echo md5('3TaFI');
16 }
17
18 public function manage_request()
      {
19  $prodreqs = $this->input->post
      ('prodreqs');
20  if(empty($prodreqs)) {
21   $prodreq_message_no = "Nothing
       has been selected.";
22   $this->session->set_flashdata
      ('prodreq_message_no',
       $prodreq_message_no);
23  }
24  else {
25   $req = $this->request_model->
       get_product_request($prodreqs)
       ;
26   if($req->userid == 0) {
27    //email
28    $this->email->clear();
29    $config['mailtype'] = "html";
30    $this->email->initialize(
      $config);
31    $this->email->set_newline("\r
      \n");
32
33    $this->email->from('sysad.
      ecommerce.upm@gmail.com');
34    $this->email->to($req->email)
      ;
35    $this->email->subject('
      Product Request [LEAf-UPM]');
36    $data = array(
37     'name' => $req->name
38    );
39    $htmlMessage = $this->parser
      ->parse('email_deleted_request
      ', $data, true);
40    $this->email->message(
      $htmlMessage);
41    $isSent = $this->email->send
      ();
42    if(!$isSent) {
```

```
43      $this->session->
        set_flashdata("
        prodreq_message_err", "
        Deleting failed. Email could
        not be sent due to internet
        connectivity problems. Please
        make sure that you are
        connected to the internet.");
44         redirect('request/
        product_requests');
45      }
46      }
47      else {
48      //notify registered user
49      date_default_timezone_set('
        America/Anchorage');
50      $date = date('Y-m-d H:i:s');
51      $notif_description = "Your
        product request ".$req->
        prodName. " has been deleted
        by the System Administrator";
52      $notif_data = array(
53       'userid' => $req->userid,
54       'date_notification' => $date
        ,
55       'description' =>
        $notif_description,
56       'is_read' => 0,
57       'type' => '
        product_request_deleted'
58       );
59       $this->notifications_model->
        insert_notification(
        $notif_data);
60      }
61      $file = $req->image;
62      $path = './assets/uploads/'.
        $file;
63      unlink($path);
64      $this->request_model->
        delete_request($prodreqs);
65      $prodreq_message = "Product
        request has been deleted. The
        user has been notified of this
        action.";
66
67      }
68      $this->session->set_flashdata("
        prodreq_message",
        $prodreq_message);
69      redirect('request/
        product_requests');
70      }
71
72      public function
        prior_product_requests() {
73      $this->notifications_model->
        update_notif_read($this->

        session->userdata('userid'), "
        product_request_deleted");
74      $this->notifications_model->
        update_notif_read($this->
        session->userdata('userid'), "
        new_product_requests");
75      redirect('request/
        product_requests');
76      }
77
78      public function product_requests
        () {
79      if(!$this->session->userdata('
        usertype')) {
80      redirect('home');
81      }
82      $data['product_requests'] =
        $this->request_model->
        get_requests();
83      if($this->session->userdata('
        usertype') == 'admin') {
84      $this->load->view('templates/
        admin_header', $this->
        header_data);
85      }
86      else {
87      $this->load->view('templates/
        user_header', $this->
        header_data);
88      }
89      $this->load->view('
        product_requests', $data);
90      }
91
92      public function
        product_requests_grid() {
93      $config = array();
94      $config['full_tag_open'] = '<ul
        class="pagination">';
95          $config['full_tag_close']
         = '</ul>';
96          $config['first_link'] =
        false;
97          $config['last_link'] =
        false;
98          $config['first_tag_open']
         = '<li>';
99          $config['first_tag_close
        '] = '</li>';
100         $config['prev_link'] = '&
        laquo';
101         $config['prev_tag_open']
         = '<li class="prev">';
102         $config['prev_tag_close']
         = '</li>';
103         $config['next_link'] = '&
        raquo';
104         $config['next_tag_open']
```

```php
              = '<li>';                          134       $this->load->view('templates/
105               $config['next_tag_close']                admin_header', $this->
              = '</li>';                                   header_data);
106               $config['last_tag_open'] 135       }
              = '<li>';                          136       else {
107               $config['last_tag_close'] 137       $this->load->view('templates/
              = '</li>';                                   user_header', $this->
108               $config['cur_tag_open'] =                header_data);
              '<li class="active"><a href 138       }
              ="#">';                            139       $this->load->view('
109               $config['cur_tag_close']                view_requests_grid',$data);
              = '</a></li>';                      140   }
110               $config['num_tag_open'] =141   }
              '<li>';                            142
111               $config['num_tag_close'] 143   public function view_request(
              = '</li>';                                $request_id) {
112                                            144       $data['prodreq'] = $this->
113               $config["base_url"] =                request_model->
              base_url() . "index.php/                  get_product_request(
              product/view_advertised";                  $request_id);
114               $config["total_rows"] = 145       if($this->session->userdata('
              $this->request_model->                    usertype') == 'admin') {
              record_count_all();               146       $this->load->view('templates/
115       if($config["total_rows"] == 0)              admin_header', $this->
              {                                            header_data);
116       $data['no_records'] = "No         147       }
              records to show.";                 148       else {
117       $data['prod_type'] = "            149       $this->load->view('templates/
              advertised";                                 user_header', $this->
118       $this->load->view('templates/               header_data);
              user_header', $this->            150       }
              header_data);                      151       $this->load->view('view_request
119       $this->load->view('                       ', $data);
              viewowned_advertised',$data);152
120       }                                    153   }
121       else {                              154
122       $config["per_page"] = 6;            155   public function send_request() {
123       $page = ($this->uri->segment 156       if(!$this->session->userdata('
              (3)) ? $this->uri->segment(3)              userid')) {
              : 0;                             157       $this->form_validation->
124       $config["uri_segment"] = 3;                 set_rules('name','Name','
125       $choice = $config["total_rows              required');
              "] / $config["per_page"]; 158       $this->form_validation->
126       $config["num_links"] = floor(              set_rules('email','Email
              $choice);                                  Address','required|valid_email
127                                                    ');
128       $this->pagination->initialize(159       $this->form_validation->
              $config);                                  set_rules('contactNum','
129                                                    Contact Number','required|
130       $data["product_requests"] =              integer');
              $this->request_model->        160       }
              fetch_product_request_all(   161       $this->form_validation->
              $config["per_page"], $page);              set_rules('prodName','Product
131                                                    Name','required');
132       $data["links"] = $this->         162       $this->form_validation->
              pagination->create_links();              set_rules('prodcat','Product
133       if($this->session->userdata('              Category','required');
              usertype') == 'admin') { 163       $this->form_validation->
```

```
163    set_rules('description','
       Product Description','required
       ');
164    if (empty($_FILES['request_file
       ']['name'])) {
165      $this->form_validation->
         set_rules('request_file', '
         Image', 'required');
166    }
167    if ($this->form_validation->run
       () === false) {
168      $data['prodcats'] = $this->
         product_category_model->
         get_data();
169      $data['error_mess'] =
         validation_errors();
170      $this->load->view('templates/
         header');
171      $this->load->view('request',
         $data);
172    }
173    else {
174      $userid = 0;
175      if($this->session->userdata('
         userid')) {
176        $userid = $this->session->
           userdata('userid');
177        $user = $this->user_model->
           get_user($userid);
178        $user_name = $user->name;
179        $email = $user->email;
180        $contactNum = $user->
           contactNum;
181      }
182      else {
183        $user_name = $this->input->
           post('name');
184        $email = $this->input->post('
           email');
185        $contactNum = $this->input->
           post('contactNum');
186      }
187      $prodName = $this->input->post
         ('prodName');
188      $prodCat = $this->input->post
         ('prodcat');
189      $description = $this->input->
         post('description');
190      date_default_timezone_set('
         America/Anchorage');
191      $date = date('Y-m-d H:i:s');
192      $to_add = array(
193        'userid' => $userid,
194        'name' => $user_name,
195        'date_request' => $date,
196        'email' => $email,
197        'contactNum' => $contactNum,
198        'prodName' => $prodName,
199        'prodCat' => $prodCat,
200        'prod_description' =>
         $description,
201        'image' => ""
202      );
203      $request_id = $this->
         request_model->insert_request(
         $to_add);
204
205      //FOR UPLOADS
206      $config['upload_path'] = '
         assets/uploads';
207      $config['overwrite'] = TRUE;
208      $config['allowed_types'] = '
         jpg|jpeg|png';
209      $config['max_size'] = '5000';
210      $array = explode('.', $_FILES
         ['request_file']['name']);
211      $extension = end($array);
212      $name = "request-".$request_id
         .".".$extension;
213      $config['file_name'] = $name;
214      $this->load->library('upload',
          $config);
215      if (!$this->upload->do_upload
         ('request_file')) {
216        echo $this->upload->
           display_errors();
217      }
218
219      $this->request_model->
         update_image_name($request_id,
          $name);
220
221      $prodreq_success = "Your
         product request has reached
         the System. Just browse the
         products if your request has
         been made available.";
222      $this->session->set_flashdata
         ("prodreq_success",
         $prodreq_success);
223
224      //notify admin
225      date_default_timezone_set('
         America/Anchorage');
226      $date = date('Y-m-d H:i:s');
227      $notif_description = "New
         product request ".$prodName. "
          by ".$user_name;
228      $notif_data = array(
229        'userid' => 1,
230        'date_notification' => $date,
231        'description' =>
         $notif_description,
232        'is_read' => 0,
233        'type' => '
         new_product_requests'
```

```php
234     ) ;
235     $this−>notifications_model−>
        insert_notification (
        $notif_data ) ;
236
237     redirect ( 'home/request ' ) ;
238   }
239 }
240
241 }
```

Listing 15: Search.php

```php
1  <?php
2  if (! defined ('BASEPATH'))
3      exit ('No direct script access
           allowed ') ;
4
5  class Search extends
       MY_Controller {
6
7      function __construct () {
8          parent::__construct () ;
9  $this−>init_user_header () ;
10     }
11
12  public function index () {
13   $term = $this−>input−>post ('
        term ') ;
14   $data ['registered_accts '] =
         $this−>search_model−>
         search_user ( $term ) ;
15   if ( sizeof ( $data ['
        registered_accts ']) == 1) {
16    redirect ('user/view_user /'.
         $data [registered_accts ][0]−>id
         ) ;
17   }
18   $data ['username '] = $this−>
        session−>userdata ('username ') ;
19   if ( $this−>session−>userdata ('
        usertype ') == 'admin ') {
20    $this−>load−>view ('templates/
         admin_header ', $this−>
         header_data ) ;
21   }
22   else {
23    $this−>load−>view ('templates/
         user_header ', $this−>
         header_data ) ;
24   }
25   $this−>load−>view ('
        search_results ', $data ) ;
26  }
27
28  public function search_products
        () {
29   $term = $this−>input−>post ('
        term ') ;
30   if ( $term != null ) {
31    $this−>session−>set_userdata ('
         search_term ', $term ) ;
32   }
33   if ( $term == null ) {
34    $term = $this−>session−>
         userdata ('search_term ') ;
35   }
36   $config = array () ;
37   $config ['full_tag_open '] = '<ul
        class="pagination">';
38       $config ['full_tag_close ']
        = '</ul >';
39       $config ['first_link '] =
        false ;
40       $config ['last_link '] =
        false ;
41       $config ['first_tag_open ']
        = '<li >';
42       $config ['first_tag_close
        '] = '</li >';
43       $config ['prev_link '] = '&
        laquo ';
44       $config ['prev_tag_open ']
        = '<li class="prev">';
45       $config ['prev_tag_close ']
        = '</li >';
46       $config ['next_link '] = '&
        raquo ';
47       $config ['next_tag_open ']
        = '<li >';
48       $config ['next_tag_close ']
        = '</li >';
49       $config ['last_tag_open ']
        = '<li >';
50       $config ['last_tag_close ']
        = '</li >';
51       $config ['cur_tag_open '] =
        '<li class="active"><a href
        ="#">';
52       $config ['cur_tag_close ']
        = '</a></li >';
53       $config ['num_tag_open '] =
        '<li >';
54       $config ['num_tag_close ']
        = '</li >';
55   $config ["base_url "] = base_url
        () . "index .php/search/
        search_products ";
56       $config ["total_rows "] =
        $this−>search_model−>
        record_count ( $term ) ;
57   if ( $config ["total_rows "] == 0)
        {
58    $data ['no_records '] = "No
         records to show .";
59    $this−>load−>view ('templates/
         header ') ;
```

```
60    $this->load->view('
      browse_products',$data);
61    $this->load->view('templates/
      footer');
62
63    }
64    else {
65    $config["per_page"] = 9;
66    $page = ($this->uri->segment
      (3)) ? $this->uri->segment(3)
      : 0;
67    $config["uri_segment"] = 3;
68    $choice = $config["total_rows
      "] / $config["per_page"];
69    $config["num_links"] = floor(
      $choice);
70
71    $this->pagination->initialize(
      $config);
72
73    $data["product_advs"] = $this
      ->search_model->
      fetch_product_advertised($term
      ,$config["per_page"], $page);
74    $data["links"] = $this->
      pagination->create_links();
75
76    $data['prodcats'] = $this->
      product_category_model->
      get_data();
77    $this->load->view('templates/
      header');
78    $this->load->view('
      browse_products',$data);
79    $this->load->view('templates/
      footer');
80
81    }
82    }
83
84 }
```

Listing 16: Trade.php

```php
1  <?php
2  if (!defined('BASEPATH'))
3      exit('No direct script access
       allowed');
4
5  class Trade extends MY_Controller
      {
6
7      function __construct() {
8          parent::__construct();
9    $this->init_user_header();
10   if (!$this->session->userdata('
       usertype')) {
11   redirect('home');
12   }
13    }
14
15 public function manage_trades()
     {
16  if(empty($this->input->post('
    trade_reqs'))) {
17   $this->session->set_flashdata
     ("tradereqs_message","Nothing
     has been selected.");
18   redirect('trade/
     view_trade_seller');
19 }
20  else {
21   if($this->input->post('submit
     ') == 'Approve trade request')
      {
22    $tradereq_id = $this->input->
     post('trade_reqs');
23    $prodid = $this->trade_model
     ->get_product_id($tradereq_id)
     ;
24    $buyer_id = $this->
     trade_model->get_buyer_id(
     $tradereq_id);
25    $seller_id = $this->
     trade_model->get_seller_id(
     $tradereq_id);
26
27    //change status from PENDING
     to APPROVED
28    $this->trade_model->
     approve_trade($tradereq_id);
29
30    //add sold product to
     products sold
31    date_default_timezone_set('
     America/Anchorage');
32    $date = date('Y-m-d H:i:s');
33    $trade_data = array(
34     'product_id' => $prodid,
35     'buyer_id' => $buyer_id,
36     'seller_id' => $seller_id,
37     'quantity' => 1,
38     'dateTransaction' => $date,
39     'transaction_type' => 'TRADE
     ',
40     'trade_id' => $tradereq_id,
41     'status' => 'UNPAID'
42    );
43
44    $transaction_id = $this->
     product_transaction_model->
     insert($trade_data);
45    $product_name = $this->
     product_model->
     get_product_name($prodid);
46    $notif_description = "Your
     trade request for ".
```

```
       $product_name." has been
       approved.";
47     $notif_data = array(
48       'userid' => $buyer_id,
49       'date_notification' => $date
       ,
50       'description' =>
       $notif_description,
51       'is_read' => 0,
52       'type' => 'trade_decision'
53     );
54     $this->notifications_model->
       insert_notification(
       $notif_data);
55     $this->session->set_flashdata
       ('trade_approve', 'Product has
        been successfully sold via
       trade. The buyer has been
       notified of this transaction
       .');
56     redirect('product_transaction
       /view_sold');
57
58   }
59   else {
60     $this->form_validation->
       set_rules('reason','Reason','
       required');
61     if ($this->form_validation->
       run() === false) {
62       $this->session->
       set_flashdata('no_reason', '
       Disapproving trade request
       failed. Please input the
       reason.');
63       redirect('trade/
       view_trade_seller');
64     }
65     else {
66       $tradereq_id = $this->input
       ->post('trade_reqs');
67       $prodid = $this->trade_model
       ->get_product_id($tradereq_id)
       ;
68       $buyer_id = $this->
       trade_model->get_buyer_id(
       $tradereq_id);
69       $seller_id = $this->
       trade_model->get_seller_id(
       $tradereq_id);
70       date_default_timezone_set('
       America/Anchorage');
71       $date = date('Y-m-d H:i:s');
72       //add as a notification
73       $product_name = $this->
       product_model->
       get_product_name($prodid);
74       $notif_description = "Your
       trade request for ".
       $product_name." has been
       rejected.";
75       $notif_data = array(
76         'userid' => $buyer_id,
77         'date_notification' =>
       $date,
78         'description' =>
       $notif_description,
79         'is_read' => 0,
80         'type' => 'trade_decision'
81       );
82       $this->notifications_model->
       insert_notification(
       $notif_data);
83       //Update status of trade
       request to disapproved
84       $this->trade_model->
       disapprove_trade($tradereq_id)
       ;

85       //Message buyer the reason
       why trade request has been
       disapproved
86       $receiver_id = $this->
       trade_model->get_buyer_id(
       $tradereq_id);
87       $sender_id = $this->
       trade_model->get_seller_id(
       $tradereq_id);
88       $convo_id = $this->
       conversation_model->
       get_conversation_id(
       $receiver_id,$sender_id);
89       if($convo_id == 0) {
90         $to_add = array(
91           'first_user_id' =>
       $receiver_id,
92           'second_user_id' =>
       $sender_id
93         );
94         $convo_id = $this->
       conversation_model->
       create_conversation($to_add);
95       }
96       $content = "TRADE REQUEST
       DISAPPROVED:".$this->input->
       post('reason');
97       date_default_timezone_set('
       America/Anchorage');
98       $date = date('Y-m-d H:i:s');
99       $to_add = array(
100        'convo_id' => $convo_id,
101        'date_message' => $date,
102        'sender_id' => $sender_id,
103        'content' => $content
104      );
105      $this->message_model->
```

```php
        insert_message($to_add);
107
108     //for message notifications
109     $unread = $this->
message_notifications_model->
get_unread($receiver_id,
$convo_id);
110     if($unread == -1) {
111       $to_add = array(
112         'userid' => $receiver_id,
113         'conversation_id' =>
$convo_id,
114         'unread_messages' => 1
115       );
116       $this->
message_notifications_model->
create_notif($to_add);
117     }
118     else {
119       $updated_unread = $unread +
1;
120       $this->
message_notifications_model->
update_unread($receiver_id,
$convo_id, $updated_unread);
121     }
122
123     //update quantity
124     $quantity_available = $this
->product_model->get_quantity(
$prodid);
125     $this->product_model->
add_quantity($prodid,
$quantity_available, 1);
126
127     $this->session->
set_flashdata('
disapprove_mess_success', "
Trade request has been
disapproved. A message and a
notification has been sent to
the buyer.");
128     redirect("trade/
view_trade_seller");
129     }
130   }
131 }
132 }
133
134 public function send_trade() {
135   $prodid = $this->input->post('
prodid');
136   $this->form_validation->
set_rules('tradname','Product
Name','required');
137   $this->form_validation->
set_rules('prodcat','Product
Category','required');
138   $this->form_validation->
set_rules('description','
Product Description','required
');
139   if (empty($_FILES['tradreq_file
']['name'])) {
140     $this->form_validation->
set_rules('file1', 'Product
Image', 'required');
141   }
142   if ($this->form_validation->run
() == false) {
143     $data['trade_err'] =
validation_errors();
144     $data['product_info'] = $this
->product_model->
get_product_advertised($prodid
);
145     $data['prodcat'] = $this->
product_category_model->
getName($data['product_info
']->prodcatid);
146     $data['same_prodcats'] = $this
->product_model->
get_same_prodcatid($data['
product_info']->prodcatid);
147     $data['seller'] = $this->
user_model->get_user($data['
product_info']->userid);
148     $data['prodcats'] = $this->
product_category_model->
get_data();
149     $data['is_traded'] = $this->
trade_model->is_traded($this->
session->userdata('userid'),
$prodid);
150     if($data['product_info']->
quantity == 0) {
151       $data['buyer'] = $this->
user_model->get_user($this->
product_bought_model->
get_buyer($data['product_info
']->id));
152     }
153     $this->load->view('templates/
header',$data);
154     $this->load->view('
home_viewproduct',$data);
155     $this->load->view('templates/
footer');
156
157   }
158   else {
159     $tradname = $this->input->post
('tradname');
160     $prodcatid = $this->input->
post('prodcat');
161     $description = $this->input->
```

```
161   post('description');
162   $buyer_id = $this->session->
      userdata('userid');
163   $seller_id = $this->
      product_model->
      get_product_seller_id($prodid)
      ;
164
165   date_default_timezone_set('
      America/Anchorage');
166   $date = date('Y-m-d H:i:s');
167
168   //FOR UPLOADS
169   $config['upload_path'] = '
      assets/uploads';
170   $config['allowed_types'] = '
      jpg|jpeg|png';
171   $config['max_size'] = '5000';
172   $array = explode('.', $_FILES
      ['tradreq_file']['name']);
173   $extension = end($array);
174   $name = "trade-".$prodid. "-"
      . "1" . "." . $extension;
175   $config['file_name'] = $name;
176   $this->load->library('upload',
       $config);
177   if ( ! $this->upload->
      do_upload('tradreq_file')) {
178    echo $this->upload->
      display_errors();
179   } else {
180    $file_data = $this->upload->
      data();
181    $data = array(
182      'prodid' => $prodid,
183      'seller_id' => $seller_id,
184      'buyer_id' => $buyer_id,
185      'prodcatid' => $prodcatid,
186      'datereq' => $date,
187      'name' => $tradname,
188      'file' => $name,
189      'status' => 'PENDING',
190      'description' =>
      $description
191     );
192   }
193   $tradereq_id = $this->
      trade_model->add($data);
194   //add trade request to
      notification
195   $buyer_name = $this->
      user_model->get_user_name(
      $buyer_id);
196   $product_name = $this->
      product_model->
      get_product_name($prodid);
197   $notif_description = "Trade
      request from ".$buyer_name. "
      for ".$product_name;
198   $tradereq_data = array(
199    'userid' => $seller_id,
200    'description' =>
      $notif_description,
201    'date_notification' => $date,
202    'is_read' => 0,
203    'type' => 'trade_request'
204   );
205   $this->notifications_model->
      insert_notification(
      $tradereq_data);
206   $quantity_available = $this->
      product_model->get_quantity(
      $prodid);
207   $this->product_model->
      update_quantity($prodid,
      $quantity_available, 1);
208   $this->session->set_flashdata
      ('success_tradereq', 'Your
      trade request has been
      submitted. Just check if your
      trade request has been
      approved.');
209
210   redirect('trade/
      view_trade_buyer');
211
212  }
213
214 }
215
216 public function
      prior_view_trade_buyer() {
217   $this->notifications_model->
      update_notif_read($this->
      session->userdata('userid'), "
      trade_decision");
218   redirect('trade/
      view_trade_buyer');
219 }
220
221 public function view_trade_buyer
      () {
222   $this->notifications_model->
      update_notif_read($this->
      session->userdata('userid'), "
      trade_decision");
223   $seller_names = array();
224   $prod_names = array();
225   $id = $this->session->userdata
      ('userid');
226   $data['trades'] = $this->
      trade_model->get_buyer_trades(
      $id);
227   foreach($data['trades'] as
      $trade) {
228    array_push($seller_names,
```

106

```
                                            header_data ) ;
    $this ->user_model->               255  $this ->load->view ( ' trade_seller
    get_user_name ( $trade->                 ' , $data ) ;
    seller_id ) ) ;                     256  }
229 array_push ( $prod_names , $this   257
    ->product_model->                  258  public function view_trade (
    get_product_name ( $trade->              $trade_id ) {
    prodid ) ) ;                       259  $data [ ' trade_info ' ] = $this ->
230 }                                        trade_model->get_trade (
231 $data [ ' prod_names ' ] =                $trade_id ) ;
    $prod_names ;                      260  $data [ ' seller ' ] = $this ->
232 $data [ ' seller_names ' ] =              user_model->get_user_name (
    $seller_names ;                          $data [ ' trade_info ' ]-> seller_id
233 $this ->load->view ( ' templates /        ) ;
    user_header ' , $this ->           261  $this ->load->view ( ' templates /
    header_data ) ;                          user_header ' , $this ->
234 $this ->load->view ( ' trade_buyer         header_data ) ;
    ' , $data ) ;                      262  $this ->load->view ( ' view_trade ' ,
235 }                                         $data ) ;
236                                    263  }
237 public function                    264
    prior_view_trade_seller () {       265  }
238 $this ->notifications_model->
    update_notif_read ( $this ->           Listing 17: User.php
    session ->userdata ( ' userid ' ) , "
    trade_request " ) ;              1   <?php
239 redirect ( ' trade /               2   if (! defined ( ' BASEPATH ' ) )
    view_trade_seller ' ) ;            3       exit ( ' No direct script access
240 }                                          allowed ' ) ;
241                                    4
242 public function                    5   class User extends MY_Controller
    view_trade_seller () {                 {
243 $this ->notifications_model->       6
    update_notif_read ( $this ->       7       function __construct () {
    session ->userdata ( ' userid ' ) , "  8           parent :: __construct () ;
    trade_request " ) ;              9   $this ->init_user_header () ;
244 $buyer_names = array () ;          10     }
245 $prod_names = array () ;           11
246 $id = $this ->session ->userdata   12  public function report_buyer (
    ( ' userid ' ) ;                        $buyerid ) {
247 $data [ ' trades ' ] = $this ->    13  $this ->form_validation->
    trade_model->get_seller_trades          set_rules ( ' reason ' , ' Reason ' , '
    ( $id ) ;                                required ' ) ;
248 foreach ( $data [ ' trades ' ] as  14  if ( empty ( $_FILES [ ' basis ' ] [ '
    $trade ) {                               name ' ] ) ) {
249 array_push ( $buyer_names , $this  15  $this ->form_validation->
    ->user_model->get_user_name (            set_rules ( ' basis ' , ' Image ' , '
    $trade->buyer_id ) ) ;                   required ' ) ;
250 array_push ( $prod_names , $this   16  }
    ->product_model->                  17  if ( $this ->form_validation->run
    get_product_name ( $trade->              () === false ) {
    prodid ) ) ;                       18  $err_mess = " Reporting buyer
251 }                                        failed : " . validation_errors () ;
252 $data [ ' prod_names ' ] =         19  $this ->session ->set_flashdata
    $prod_names ;                            ( ' err_mess ' , $err_mess ) ;
253 $data [ ' buyer_names ' ] =        20  redirect ( ' user / view_user / ' .
    $buyer_names ;                           $buyerid ) ;
254 $this ->load->view ( ' templates / 21  }
    user_header ' , $this ->           22  else {
```

107

```php
23    //FOR UPLOADS
24    $this->load->library('upload');
25    $config['upload_path'] = '
      assets/uploads';
26    $config['allowed_types'] = '
      jpg|jpeg|png';
27    $config['max_size'] = '5000';
28    $name = "report".$buyerid.
      $_FILES['basis']['name'];
29    $config['file_name'] = $name;
30    $this->upload->initialize(
      $config);
31    if (!$this->upload->do_upload
      ('basis')) {
32     $err_mess = "Reporting buyer
      failed:".$this->upload->
      display_errors();
33     $this->session->set_flashdata
      ('err_mess', $err_mess);
34     redirect('user/view_user/'.
      $buyerid);
35    } else {
36     date_default_timezone_set('
      America/Anchorage');
37     $date = date('Y-m-d H:i:s');
38     $to_add = array(
39      'userid' => $buyerid,
40      'description' => $this->
      input->post('reason'),
41      'image' => $name,
42      'date_report' => $date,
43      'reporter_id' => $this->
      session->userdata('userid')
44      );
45     $this->report_model->
      add_buyer_report($to_add);
46    }
47
48    $reporter = $this->user_model
      ->get_user_name($this->session
      ->userdata('userid'));
49    $notif_description = "New
      buyer report from ".$reporter
      ;
50    $notif_data = array(
51     'userid' => 1,
52     'date_notification' => $date,
53     'description' =>
      $notif_description,
54     'is_read' => 0,
55     'type' => 'new_report'
56    );
57    $this->notifications_model->
      insert_notification(
      $notif_data);
58
59
60    $this->session->set_flashdata
      ('success_mess', 'Your report
      has been submitted to the
      System Administrator.');
61    redirect('user/view_user/'.
      $buyerid);
62    }
63    }
64
65    public function prior_user() {
66     $edit_profile_mess = "Profile
      has been edited successfully
      !";
67     $this->session->set_flashdata("
      edit_profile_mess",
      $edit_profile_mess);
68     redirect('user');
69    }
70
71    public function index() {
72     if (!($this->session->userdata('
      username'))) {
73      redirect('home/login');
74     }
75     else {
76      $data['user'] = $this->
      user_model->get_user($this->
      session->userdata('userid'));
77      $data['userid'] = $this->
      session->userdata('userid');
78      if($this->session->userdata('
      usertype') == 'admin') {
79       $this->load->view('templates/
      admin_header', $this->
      header_data);
80      }
81      else {
82       $this->load->view('templates/
      user_header', $this->
      header_data);
83      }
84      $this->load->view('user',
      $data);
85     }
86    }
87
88    public function
      prior_view_ratings() {
89     $this->notifications_model->
      update_notif_read($this->
      session->userdata('userid'), "
      credibility");
90     redirect('user/view_ratings');
91    }
92
93    public function view_ratings() {
94     $this->notifications_model->
      update_notif_read($this->
```

108

```php
        session->userdata('userid'), "
        credibility");
95      $names = array();
96      $name_ids = array();
97      $ratings = array();
98      $userid = $this->session->
        userdata('userid');
99      $buyer_ids = $this->
        product_transaction_model->
        get_transaction_paid_nameids(
        $userid);
100     foreach($buyer_ids as $buyerid)
            {
101     array_push($names, $this->
        user_model->get_user_name(
        $buyerid->buyer_id));
102     array_push($name_ids, $buyerid
        ->buyer_id);
103     array_push($ratings, $this->
        product_transaction_model->
        get_rating_by_buyer($this->
        session->userdata('userid'),
        $buyerid->buyer_id));
104     }
105     $data['names'] = $names;
106     $data['name_ids'] = $name_ids;
107     $data['ratings'] = $ratings;
108     $this->load->view('templates/
        user_header', $this->
        header_data);
109     $this->load->view('ratings',
        $data);
110
111  }
112
113  public function rate_user($id) {
114    $rating = $this->input->post('
        rating');
115    $this->
        product_transaction_model->
        update_rating($this->session->
        userdata('userid'),$id,$rating
        );
116    //credibility
117    $ratings = array();
118    $seller_id = $id;
119    $buyer_ids = $this->
        product_transaction_model->
        get_transaction_paid_nameids(
        $seller_id);
120    foreach($buyer_ids as $buyerid)
            {
121    array_push($ratings, $this->
        product_transaction_model->
        get_rating_by_buyer($seller_id
        ,$buyerid->buyer_id));
122    }
123    $prev_rating = $this->
        product_transaction_model->
        get_rating_by_buyer($id,$this
        ->session->userdata('userid'))
        ;
124    $this->user_model->
        update_credibility($seller_id,
        $ratings, $rating,
        $prev_rating);
125    //notify seller
126    date_default_timezone_set('
        America/Anchorage');
127    $date = date('Y-m-d H:i:s');
128    $buyer_name = $this->user_model
        ->get_user_name($this->session
        ->userdata('userid'));
129    $description = $buyer_name."
        gave you ".$rating." stars";
130    $notif_data = array(
131    'userid' => $id,
132    'description' => $description,
133    'is_read' => 0,
134    'date_notification' => $date,
135    'type' => 'credibility'
136    );
137    $this->notifications_model->
        insert_notification(
        $notif_data);
138    $this->session->set_flashdata('
        success_rating',"Successfully
        rated user!");
139    redirect('user/view_user/'.$id)
        ;
140  }
141
142  public function view_all() {
143    $data['users'] = $this->
        user_model->get_all_users();
144    if($this->session->userdata('
        username') == 'admin') {
145    $this->load->view('templates/
        admin_header', $this->
        header_data);
146    }
147    else {
148    $this->header_data['
        unread_convo'] = $this->
        message_notifications_model->
        get_number_unread($this->
        session->userdata('userid'));
149    $this->load->view('templates/
        user_header', $this->
        header_data);
150    }
151    $this->load->view('view_users',
        $data);
152  }
153
154  public function view_user($id) {
```

```php
155   $data['user'] = $this->
      user_model->get_user($id);
156   $data['userid'] = $id;
157   $config = array();
158   $config['full_tag_open'] = '<
      ul class="pagination">';
159   $config['full_tag_close'] =
      '</ul>';
160   $config['first_link'] = false;
161   $config['last_link'] = false;
162   $config['first_tag_open'] = '<
      li>';
163   $config['first_tag_close'] =
      '</li>';
164   $config['prev_link'] = '&laquo
      ';
165   $config['prev_tag_open'] = '<
      li class="prev">';
166   $config['prev_tag_close'] =
      '</li>';
167   $config['next_link'] = '&raquo
      ';
168   $config['next_tag_open'] = '<
      li>';
169   $config['next_tag_close'] =
      '</li>';
170   $config['last_tag_open'] = '<
      li>';
171   $config['last_tag_close'] =
      '</li>';
172   $config['cur_tag_open'] = '<li
       class="active"><a href="#">';
173   $config['cur_tag_close'] = '</
      a></li>';
174   $config['num_tag_open'] = '<li
      >';
175   $config['num_tag_close'] = '</
      li>';
176
177   $config["base_url"] = base_url
      () . "index.php/user/view_user
      /".$id;
178   $config["total_rows"] = $this
      ->product_model->record_count(
      $id);
179   if($config["total_rows"] == 0)
      {
180    $data['no_records'] = "No
      records to show.";
181    $data['prod_type'] = "
      advertised";
182    if($this->session->userdata('
      usertype') == 'admin') {
183     $this->load->view('templates
      /admin_header', $this->
      header_data);
184    }
185    else {
186     $this->load->view('templates
      /user_header', $this->
      header_data);
187    }
188    $num_paid = $this->
      product_transaction_model->
      get_num_paid($this->session->
      userdata('userid'), $id); //
      kung may paid na transaction,
      pwedeng i rate si user
      if($num_paid > 0) {
189     $can_rate = 1;
190    }
191    else {
192     $can_rate = 0;
193    }
194    $data['can_rate'] = $can_rate
      ;
195    $data['rate'] = $this->
      product_transaction_model->
      get_rating_by_seller($this->
      session->userdata('userid'),
      $id);
196    $this->load->view('user',
      $data);
197   }
198   else {
199    $config["per_page"] = 6;
200    $page = ($this->uri->segment
      (4)) ? $this->uri->segment(4)
      : 0;
201    $config["uri_segment"] = 4;
202    $choice = $config["total_rows
      "] / $config["per_page"];
203    $config["num_links"] = floor(
      $choice);
204
205    $this->pagination->initialize
      ($config);
206
207    $data["product_advs"] = $this
      ->product_model->
      fetch_product_advertised($id,
      $config["per_page"], $page);
208    $data['set_view_adv'] = 0;
209    if($page > 0) {
210     $data['set_view_adv'] = 1;
211    }
212    $data["links"] = $this->
      pagination->create_links();
213    $data['prod_type'] = "
      advertised";
214    if($this->session->userdata('
      usertype') == 'admin') {
215     $this->load->view('templates
      /admin_header', $this->
      header_data);
216    }
217
```

```
218      else {                              251   if ($username == $this->input->
219       $this->load->view('templates           post('username')) {
      /user_header', $this->          252    $username_rules = "required";
      header_data);                  253   }
220      }                              254   if (!empty($changepass)) {
221     $num_paid = $this->            255    $this->form_validation->
      product_transaction_model->           set_rules('oldpassword','Old
      get_num_paid($this->session->         Password','required|min_length
      userdata('userid'), $id); //          [5]|max_length[20]|
      kung may paid na transaction,         callback_check_old_password');
      pwedeng i rate si user         256    $this->form_validation->
222     if ($num_paid > 0) {                  set_rules('newpassword1','New
223      $can_rate = 1;                        Password','required|min_length
224     }                                      [5]|max_length[20]');
225     else {                         257    $this->form_validation->
226      $can_rate = 0;                        set_rules('newpassword2','Re-
227     }                                      entered Password','required|
228     $data['can_rate'] = $can_rate         matches[newpassword1]|
      ;                                       min_length[5]|max_length[20]')
229     $data['rate'] = $this->               ;
      product_transaction_model->    258   }
      get_rating_by_seller($this->   259   $this->form_validation->
      session->userdata('userid'),          set_rules('name', 'Name', '
      $id);                                 required');
230     $this->load->view('user',      260   $this->form_validation->
      $data);                               set_rules('username', '
231    }                                     Username', $username_rules);
232                                    261   $this->form_validation->
233  }                                       set_rules('upmid', 'UPM ID', '
234                                          required');
235  public function edit_profile() {262   $this->form_validation->
236   $data['user'] = $this->               set_rules('email', 'Email
      user_model->get_user($this->          Address', 'required');
      session->userdata('userid'));263   $this->form_validation->
237   if ($this->session->userdata('         set_rules('contactNum', '
      usertype') == 'admin') {              Contact Number', 'required');
238    $this->load->view('templates/ 264   if ($this->form_validation->run
      admin_header', $this->                () == false) {
      header_data);                  265    $data['user'] = $this->
239   }                                      user_model->get_user($this->
240   else {                                 session->userdata('userid'));
241    $this->load->view('templates/ 266    $data['edit_profile_mess'] =
      user_header', $this->                 validation_errors();
      header_data);                  267    $this->load->view('templates/
242   }                                      user_header', $this->
243   $this->load->view('edit_profile        header_data);
      ', $data);                     268    $this->load->view('
244  }                                      edit_profile', $data);
245                                    269   }
246  public function               270   else {
      edit_profile_info($userid) {   271    if (!empty($changepass)) {
247                                    272     $this->user_model->
248   $username = $this->user_model->         update_password(md5($this->
      get_user($userid)->username;          input->post('newpassword1')),
249   $changepass = $this->input->            $this->session->userdata('
      post('changepass');                   userid'));
250   $username_rules = "required|    273    }
      is_unique[users.username]";    274    $name = $this->input->post('
```

111

```
275   name ' ) ;
      $username = $this->input->post
      ( 'username ' ) ;
276   $upmid = $this->input->post ( '
      upmid ' ) ;
277   $email = $this->input->post ( '
      email ' ) ;
278   $contactNum = $this->input->
      post ( 'contactNum ' ) ;
279   $college = $this->input->post
      ( 'college ' ) ;
280   $to_update = array (
281    'name ' => $name ,
282    'username ' => $username ,
283    'upmid ' => $upmid ,
284    'email ' => $email ,
285    'college ' => $college ,
286    'contactNum ' => $contactNum
287   ) ;
288   $this->user_model->
      update_edited_profile ( $userid ,
      $to_update ) ;
289
290   if ( ! empty ( $_FILES [ 'newdp ' ] [ '
      name ' ] ) ) {
291    $file = $this->user_model->
      get_image ( $this->session->
      userdata ( 'userid ' ) ) ;
292    $path = ' . / assets / uploads / ' .
      $file ;
293    unlink ( $path ) ;
294    //FOR UPLOADS
295    $config [ 'upload_path ' ] = '
      assets / uploads ' ;
296    $config [ 'overwrite ' ] = TRUE;
297    $config [ 'allowed_types ' ] = '
      jpg | jpeg | png ' ;
298    $config [ 'max_size ' ] = '5000 ' ;
299    $file_user_id = $this->
      session->userdata ( 'userid ' ) ;
300    $name = $file_user_id . $_FILES
      [ 'newdp ' ] [ 'name ' ] ;
301    $config [ 'file_name ' ] = $name;
302    $this->load->library ( 'upload
      ' , $config ) ;
303    if ( ! $this->upload->do_upload
      ( 'newdp ' ) ) {
304     echo $this->upload->
      display_errors ( ) ;
305    }
306    else {
307     $this->user_model->
      update_image ( $name, $this->
      session->userdata ( 'userid ' ) ) ;
308    }
309   }
310   $this->session->set_userdata ( '
      username ' , $username ) ;
```

```
311   redirect ( 'user / prior_user ' ) ;
312  }
313 }
314
315 public function
      check_old_password ( $oldpass ) {
316  $userid = $this->session->
      userdata ( 'userid ' ) ;
317  if ( $this->user_model->
      check_pass ( $userid , md5 (
      $oldpass ) ) == 1 ) {
318   return true ;
319  }
320  else {
321   $this->form_validation->
      set_message ( '
      check_old_password ' , "%s doesn
      't match . " ) ;
322   return false ;
323  }
324 }
325 }
```

Listing 18: acctreq_model.php

```
1 <?php
2 if ( ! defined ( 'BASEPATH ' ) )
3     exit ( 'No direct script access
      allowed ' ) ;
4
5 class Acctreq_model extends
      CI_Model
6 {
7  function __construct ( ) {
8       parent :: __construct ( ) ;
9       $this->load->database ( ) ;
10   }
11
12  public function insert_data (
      $acctreq_data ) {
13    $this->db->insert ( '
      account_requests ' ,
      $acctreq_data ) ;
14 }
15
16  public function get_data ( ) {
17   $query = $this->db->query ( '
      SELECT id , dateAcctReq , upmid ,
      college , email , contactNum ,
      fName , mName , lName , orgName ,
      isInd FROM account_requests ' ) ;
18   return $query->result ( ) ;
19 }
20
21  public function delete_records (
      $records ) {
22   $ctr = 0 ;
23   foreach ( $records as $rec ) {
```

112

```php
24     $this->db->query('DELETE from
       account_requests where id='.
       $rec);
25     $ctr++;
26   }
27   return $ctr;
28
29 }
30
31 public function insert_approved(
     $approved_data) {
32   $this->db->insert('users',
     $approved_data);
33   $insert_id = $this->db->
     insert_id();
34   return  $insert_id;
35 }
36
37 public function get_unapproved(
     $id) {
38   $query = $this->db->query('
     SELECT * from account_requests
       where id='.$id);
39   return $query->row();
40 }
41
42     function __destruct() {
43         $this->db->close();
44     }
45 }
```

Listing 19: conversation_model.php

```php
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class Conversation_model extends
      CI_Model
6 {
7 function __construct() {
8         parent::__construct();
9         $this->load->database();
10     }
11
12 public function
     get_conversations($id) {
13   $query = $this->db->query("
     SELECT * from conversation
     WHERE first_user_id='".$id."'
     OR second_user_id='".$id."'");
14   if($query->num_rows() > 0) {
15    return $query->result();
16   }
17 }
18
19 public function
     get_conversation_id($userid1,
     $userid2) {
20   $query = $this->db->query("
     SELECT * from conversation
     WHERE first_user_id='".
     $userid1."' AND second_user_id
     ='".$userid2."'");
21   if($query->num_rows() > 0) {
22    return $query->row()->id;
23   }
24   else {
25    $query = $this->db->query("
     SELECT * from conversation
     WHERE first_user_id='".
     $userid2."' AND second_user_id
     ='".$userid1."'");
26    if($query->num_rows() > 0) {
27     return $query->row()->id;
28    }
29    else {
30     return 0;
31    }
32   }
33 }
34
35 public function
     create_conversation($data) {
36   $this->db->insert('conversation
     ', $data);
37   $insert_id = $this->db->
     insert_id();
38   return  $insert_id;
39 }
40
41     function __destruct() {
42         $this->db->close();
43     }
44 }
```

Listing 20: feedback_model.php

```php
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class Feedback_model extends
      CI_Model
6 {
7 function __construct() {
8         parent::__construct();
9         $this->load->database();
10     }
11
12 public function get_feedbacks()
     {
13   $query = $this->db->query("
     SELECT * from feedback");
14   if($query->num_rows() > 0) {
15    return $query->result();
```

```
16    }
17  }
18
19  public function add_feedback(
      $data) {
20    $this->db->insert('feedback',
      $data);
21  }
22
23    function __destruct() {
24        $this->db->close();
25    }
26 }
```

Listing 21: login_model.php

```
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class Login_model extends
      CI_Model
6 {
7
8     function __construct() {
9         parent::__construct();
10        $this->load->database();
11    }
12
13    public function validate_user
      ($username,$password) {
14        $this->db->where('
      username', $username);
15        $this->db->where('
      password', $password);
16        return $this->db->get('
      users')->row();
17    }
18
19    function __destruct() {
20        $this->db->close();
21    }
22 }
```

Listing 22: message_model.php

```
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class Message_model extends
      CI_Model
6 {
7  function __construct() {
8        parent::__construct();
9        $this->load->database();
10    }
11
12 public function get_unread_list(
      $convo_id) {
13  $query = $this->db->query('
      SELECT * from message WHERE
      convo_id='.$convo_id.' ORDER
      BY id DESC LIMIT 1');
14  return $query->row();
15 }
16
17 public function insert_message(
      $data) {
18  $this->db->insert('message',
      $data);
19 }
20
21 public function get_messages(
      $convo_id) {
22  $query = $this->db->query('
      SELECT * from message WHERE
      convo_id='.$convo_id);
23  return $query->result();
24 }
25
26    function __destruct() {
27        $this->db->close();
28    }
29 }
```

Listing 23: message_notifications_model.php

```
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class Message_notifications_model
      extends CI_Model
6 {
7  function __construct() {
8        parent::__construct();
9        $this->load->database();
10    }
11
12 public function get_unread(
      $userid,$convo_id) {
13  $query = $this->db->query("
      SELECT * from
      message_notifications WHERE
      userid='".$userid." 'AND
      conversation_id='".$convo_id
      ." '");
14  if($query->num_rows() > 0) {
15  return $query->row()->
      unread_messages;
16  }
17  else {
```

Left column:

```php
18       return -1;
19     }
20   }
21
22   public function
         get_number_unread($userid) {
23    $query = $this->db->query("
         SELECT * from
         message_notifications WHERE
         userid='".$userid." 'AND
         unread_messages > 0");
24    return $query->num_rows();
25   }
26
27   public function
         get_convoids_unread($userid) {
28    $query = $this->db->query("
         SELECT conversation_id from
         message_notifications WHERE
         userid='".$userid." 'AND
         unread_messages > 0");
29    return $query->result();
30   }
31
32   public function create_notif(
         $data) {
33    $this->db->insert('
         message_notifications', $data)
         ;
34   }
35
36   public function update_unread(
         $userid, $convo_id, $new_unread)
         {
37    $this->db->query("UPDATE
         message_notifications SET
         unread_messages='".$new_unread
         ." ' WHERE userid=".$userid."
         AND conversation_id=".
         $convo_id);
38
39   }
40
41       function __destruct() {
42           $this->db->close();
43       }
44 }
```

Listing 24: notifications_model.php

```php
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
         allowed');
4
5 class Notifications_model extends
         CI_Model
6 {
7 function __construct() {
```

Right column:

```php
8           parent::__construct();
9           $this->load->database();
10     }
11
12   public function
         update_notif_read($userid,
         $type) {
13    $this->db->query("UPDATE
         notifications SET is_read=1
         WHERE userid='".$userid." ' AND
         type='".$type." '");
14   }
15
16   public function get_notif(
         $userid) {
17    $query = $this->db->query("
         SELECT * from notifications
         WHERE userid=".$userid);
18    if($query->num_rows() > 0) {
19     return $query->result();
20    }
21   }
22
23   public function
         get_unread_notifs($userid) {
24    $query = $this->db->query("
         SELECT * from notifications
         WHERE userid='".$userid." ' AND
         is_read=0");
25    if($query->num_rows() > 0) {
26     return $query->result();
27    }
28   }
29
30   public function
         insert_notification($data) {
31    $this->db->insert('
         notifications', $data);
32   }
33
34       function __destruct() {
35           $this->db->close();
36       }
37 }
```

Listing 25: product_category_model.php

```php
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
         allowed');
4
5 class Product_category_model
         extends CI_Model
6 {
7 function __construct() {
8       parent::__construct();
```

115

```
9          $this->load->database();
10     }
11
12  public function rename_category(
       $newname, $prodcatid) {
13   $this->db->query("UPDATE
       product_category SET name='".
       $newname."' WHERE id=".
       $prodcatid);
14  }
15
16  public function insert($name) {
17   $this->db->insert('
       product_category', $name);
18  }
19
20  public function get_data() {
21   $query = $this->db->query('
       SELECT * FROM product_category
       ');
22   return $query->result();
23  }
24
25  public function getName($id) {
26   $query = $this->db->query('
       SELECT name FROM
       product_category WHERE id='.
       $id);
27   return $query->row()->name;
28  }
29
30  public function get_category($id
       ) {
31   $query = $this->db->query('
       SELECT * FROM product_category
       WHERE id='.$id);
32   return $query->row();
33  }
34
35     function __destruct() {
36         $this->db->close();
37     }
38 }
```

Listing 26: product_model.php

```
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
       allowed');
4
5 class Product_model extends
       CI_Model
6 {
7  function __construct() {
8        parent::__construct();
9        $this->load->database();
10     }
11
12  public function get_image(
       $prodid) {
13   $query = $this->db->get_where('
       product_advertised', array('id
       '=>$prodid));
14   return $query->row()->image;
15  }
16
17  public function get_isActive(
       $prodid) {
18   $query = $this->db->get_where('
       product_advertised', array('id
       '=>$prodid));
19   return $query->row()->isActive;
20  }
21
22  public function deactivate(
       $prodid) {
23   $this->db->query("UPDATE
       product_advertised SET
       isActive='NO' WHERE id=".
       $prodid);
24  }
25
26  public function activate($prodid
       ) {
27   $this->db->query("UPDATE
       product_advertised SET
       isActive='YES' WHERE id=".
       $prodid);
28  }
29
30  public function
       delete_product_advertised(
       $prodid) {
31   $this->db->query('DELETE from
       product_advertised where id='.
       $prodid);
32  }
33
34  public function
       update_image_name($id,$img) {
35   $this->db->query("UPDATE
       product_advertised SET image
       ='".$img."' WHERE id=".$id);
36  }
37
38  public function
       get_same_prodcatid($prodcatid)
       {
39   $query = $this->db->query('
       SELECT * from
       product_advertised WHERE
       quantity > 0 AND prodcatid='.
       $prodcatid);
40   return $query->result();
41  }
42
```

```php
43  public function
      update_product_advertised(
      $prodid, $newprod) {
44   $this->db->where('id', $prodid)
      ;
45   $this->db->update('
      product_advertised', $newprod)
      ;
46  }
47
48  public function add_quantity(
      $prodid, $qty_av, $qty_toadd) {
49   $qty = $qty_av + $qty_toadd;
50   $this->db->query("UPDATE
      product_advertised SET
      quantity='".$qty."' WHERE id
      =".$prodid);
51  }
52
53  public function update_quantity(
      $prodid, $qty_av, $qty_bought) {
54   $qty_left = $qty_av -
      $qty_bought;
55   $this->db->query("UPDATE
      product_advertised SET
      quantity='".$qty_left."' WHERE
      id=".$prodid);
56  }
57
58  public function get_quantity(
      $prodid) {
59   $query = $this->db->get_where('
      product_advertised', array('id
      '=>$prodid));
60   return $query->row()->quantity;
61  }
62
63  public function get_product_name
      ($prodid) {
64   $query = $this->db->get_where('
      product_advertised', array('id
      '=>$prodid));
65   return $query->row()->name;
66  }
67
68  public function
      get_product_price($prodid) {
69   $query = $this->db->get_where('
      product_advertised', array('id
      '=>$prodid));
70   return $query->row()->price;
71  }
72
73  public function
      get_product_seller($prodid) {
74   $query1 = $this->db->get_where
      ('product_advertised', array('
      id'=>$prodid));
75   $userid = $query1->row()->
      userid;
76   $query2 = $this->db->get_where
      ('users', array('id'=>$userid))
      ;
77   return $query2->row()->name;
78  }
79
80  public function
      get_product_seller_id($prodid)
      {
81   $query = $this->db->get_where('
      product_advertised', array('id
      '=>$prodid));
82   return $query->row()->userid;
83  }
84
85  public function get_prodcatid(
      $prodid) {
86   $query = $this->db->get_where('
      product_advertised', array('id
      '=>$prodid));
87   return $query->row()->prodcatid
      ;
88  }
89
90
91  public function get_new_products
      () {
92   $query = $this->db->query('
      SELECT * from
      product_advertised WHERE
      quantity>0 order by id desc
      limit 9');
93   return $query->result();
94  }
95
96  public function insert_adv($data
      ) {
97   $this->db->insert('
      product_advertised', $data);
98   $insert_id = $this->db->
      insert_id();
99   return $insert_id;
100 }
101
102 public function
      get_all_advertised() {
103  $query = $this->db->query('
      SELECT * from
      product_advertised WHERE
      quantity > 0');
104  return $query->result();
105 }
106
107 public function get_advertised(
      $userid) {
108  $query = $this->db->query("
```

```php
            SELECT * from
            product_advertised WHERE
            userid='".$userid."' AND
            quantity > 0");
109    return $query->result();
110  }
111
112  public function
         get_product_advertised($id) {
113    $query = $this->db->query('
           SELECT * from
           product_advertised WHERE id='.
           $id);
114    return $query->row();
115  }
116
117  public function record_count($id
         ) {
118    $query = $this->db->get_where('
           product_advertised',array('
           userid'=>$id,'quantity >'=>0));
           ;
119    return $query->num_rows();
120  }
121
122  public function record_count_all
         () {
123    $str = array('quantity >' => 0
           'isActive' => 'YES');
124    $query = $this->db->where($str)
           ->get('product_advertised');
125    return $query->num_rows();
126  }
127
128  public function
         record_count_filtered(
         $prodcats,$fromdate,$todate) {
129    if($fromdate == null) {
130      $fromdate = "0000-00-00
           00:00:00";
131    }
132    else {
133      $fromdate = $this->
           reformat_date($fromdate);
134    }
135    if($todate == null) {
136      $todate = "9999-12-31
           23:59:59";
137    }
138    else {
139      $todate = $this->reformat_date
           ($todate);
140      $todate = $todate." 23:59:59";
141    }
142    if($prodcats != null) {
143      if(sizeof($prodcats) == 1) {
144        $query_str = "SELECT * FROM
             product_advertised WHERE
             dateAdv >= '".$fromdate."' AND
             dateAdv <= '".$todate."' AND
             quantity >0 AND isActive='YES'
             AND prodcatid=".$prodcats[0];
145      }
146      else {
147        $query_str = "SELECT * FROM
             product_advertised WHERE
             dateAdv >= '".$fromdate."' AND
             dateAdv <= '".$todate."' AND
             quantity >0 AND isActive='YES'
             AND ";
148        $str="(";
149        for($i = 0;$i < sizeof(
             $prodcats);$i++) {
150          if($i != sizeof($prodcats)
             -1) {
151            $str = $str. "prodcatid=".
             $prodcats[$i]." OR ";
152          }
153          else {
154            $str = $str. "prodcatid=".
             $prodcats[$i];
155          }
156        }
157        $query_str = $query_str.$str
             .")";
158      }
159      $query = $this->db->query(
           $query_str);
160
161      return $query->num_rows();
162    }
163    else if($prodcats == null) {
164      $query_str = "SELECT * from
           product_advertised WHERE
           dateAdv >= '".$fromdate."' AND
           dateAdv <= '".$todate."' AND
           quantity > 0 AND isActive='YES
           '";
165      $query = $this->db->query(
           $query_str);
166      return $query->num_rows();
167    }
168  }
169
170  public function
         fetch_product_filtered($limit,
         $start,$prodcats,$fromdate,
         $todate) {
171    if($fromdate == null) {
172      $fromdate = "0000-00-00
           00:00:00";
173    }
174    else {
175      $fromdate = $this->
           reformat_date($fromdate);
176    }
```

```php
177    if($todate == null) {
178      $todate = "9999-12-31
       23:59:59";
179    }
180    else {
181      $todate = $this->reformat_date
       ($todate);
182      $todate = $todate." 23:59:59";
183    }
184    if($prodcats != null) {
185      $this->db->limit($limit, $start
       );
186      $query = $this->db->query("
       SELECT * from
       product_advertised WHERE
       dateAdv >= '".$fromdate."' AND
       dateAdv <= '".$todate."' AND
       quantity > 0 AND isActive='YES
       ' AND prodcatid=".$prodcats
       [0]." LIMIT ".$start.",".
       $limit);
187
188      if(sizeof($prodcats > 1)) {
189        $query_str = "SELECT * FROM
       product_advertised WHERE
       dateAdv >= '".$fromdate."' AND
       dateAdv <= '".$todate."' AND
       quantity >0 AND isActive='YES'
       AND ";
190        $str="(";
191        for($i = 0;$i < sizeof(
       $prodcats);$i++) {
192          if($i != sizeof($prodcats)
       -1) {
193            $str = $str. "prodcatid=".
       $prodcats[$i]." OR ";
194          }
195          else {
196            $str = $str. "prodcatid=".
       $prodcats[$i].") LIMIT ".
       $start.",".$limit;
197          }
198        }
199        $query_str .= $str;
200        $query = $this->db->query(
       $query_str);
201      }
202      if($query->num_rows() > 0) {
203        foreach($query->result() as
       $row) {
204          $data[] = $row;
205        }
206        return $data;
207      }
208      return false;
209    }
210    else if($prodcats == null) {
211      $this->db->limit($limit, $start
       );
212      $query_str = "SELECT * from
       product_advertised WHERE
       quantity >0 AND isActive='YES'
       AND dateAdv >= '".$fromdate."'
       AND dateAdv <= '".$todate."'
       LIMIT ".$start.",".$limit;
213      $query = $this->db->query(
       $query_str);
214      if($query->num_rows() > 0) {
215        foreach($query->result() as
       $row) {
216          $data[] = $row;
217        }
218        return $data;
219      }
220      return false;
221    }
222
223  }
224
225  public function reformat_date(
       $old_date) {
226    $new_date = $old_date[6].
       $old_date[7].$old_date[8].
       $old_date[9]."-".$old_date[0].
       $old_date[1]."-".$old_date[3].
       $old_date[4];
227    return $new_date;
228  }
229
230  public function
       fetch_product_advertised_all(
       $limit, $start) {
231    $this->db->limit($limit, $start)
       ;
232    $str = array('quantity >' => 0,
       'isActive' => 'YES');
233    $query = $this->db->where($str)
       ->get('product_advertised');
234    if($query->num_rows() > 0) {
235      foreach($query->result() as
       $row) {
236        $data[] = $row;
237      }
238      return $data;
239    }
240    return false;
241  }
242
243  public function
       fetch_product_advertised($id,
       $limit, $start) {
244    $this->db->limit($limit, $start)
       ;
245    $query = $this->db->get_where('
       product_advertised', array('
       userid'=>$id, 'quantity >'=>0))
```

```php
        ;
246    if ($query->num_rows() > 0) {
247     foreach($query->result() as
       $row) {
248      $data[] = $row;
249     }
250     return $data;
251    }
252    return false;
253   }
254
255     function __destruct() {
256         $this->db->close();
257     }
258 }
```

Listing 27: product_transaction_model.php

```php
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class Product_transaction_model
      extends CI_Model
6 {
7  function __construct() {
8        parent::__construct();
9        $this->load->database();
10     }
11
12  public function get_ratings(
      $buyer_id, $seller_id) {
13    $query = $this->db->query("
      SELECT * FROM
      product_transaction WHERE
      seller_id=".$seller_id." AND
      buyer_id=".$buyer_id);
14    return $query->result();
15  }
16
17  public function
      get_rating_by_seller($buyer_id
      ,$seller_id) {
18    $query = $this->db->query("
      SELECT * FROM
      product_transaction WHERE
      seller_id=".$seller_id." AND
      buyer_id=".$buyer_id." AND
      status='PAID' LIMIT 1");
19    if($query->num_rows() > 0) {
20     return $query->row()->rating;
21    }
22    else {
23     return 0;
24    }
25  }
26
27  public function update_rating(
      $buyer_id,$seller_id,$rating)
      {
28   $this->db->query("UPDATE
      product_transaction SET rating
      ='".$rating."' WHERE buyer_id
      =".$buyer_id." AND seller_id
      =".$seller_id." AND status='
      PAID'");
29  }
30
31  public function
      get_rating_by_buyer($seller_id
      ,$buyer_id) {
32   $query = $this->db->query("
      SELECT * FROM
      product_transaction WHERE
      seller_id=".$seller_id." AND
      buyer_id=".$buyer_id." AND
      status='PAID' LIMIT 1");
33   if($query->num_rows() > 0) {
34    return $query->row()->rating;
35   }
36   else {
37    return 0;
38   }
39  }
40
41  public function
      get_transaction_paid_nameids(
      $seller_id) {
42   $query = $this->db->query("
      SELECT DISTINCT buyer_id FROM
      product_transaction WHERE
      seller_id=".$seller_id." AND
      status='PAID'");
43   return $query->result();
44  }
45
46  public function mark_paid_score(
      $id) {
47   $this->db->query("UPDATE
      product_transaction SET rating
      =5 WHERE id=".$id);
48  }
49
50  public function get_num_paid(
      $user_id,$seller_id) {
51   $query = $this->db->query("
      SELECT * FROM
      product_transaction WHERE
      buyer_id=".$user_id." AND
      seller_id=".$seller_id." AND
      status='PAID'");
52   return $query->num_rows();
53  }
54
```

```php
55  public function get_buyer_id($id
      ) {
56   $query = $this->db->query('
      SELECT * FROM
      product_transaction WHERE id
      ='.$id);
57   return $query->row()->buyer_id;
58  }
59
60  public function get_seller_id(
      $id) {
61   $query = $this->db->query('
      SELECT * FROM
      product_transaction WHERE id
      ='.$id);
62   return $query->row()->seller_id
      ;
63  }
64
65  public function
      delete_transaction($id) {
66   $this->db->query('DELETE from
      product_transaction where id
      ='.$id);
67  }
68
69  public function get_quantity($id
      ) {
70   $query = $this->db->query('
      SELECT * FROM
      product_transaction WHERE id
      ='.$id);
71   return $query->row()->quantity;
72  }
73
74  public function
      get_product_transaction($id) {
75   $query = $this->db->query('
      SELECT * FROM
      product_transaction WHERE id
      ='.$id);
76   return $query->row();
77  }
78
79  public function get_product_id(
      $transaction_id) {
80   $query = $this->db->query('
      SELECT * FROM
      product_transaction WHERE id
      ='.$transaction_id);
81   return $query->row()->
      product_id;
82  }
83
84  public function mark_paid($id) {
85   $this->db->query("UPDATE
      product_transaction SET status
      ='PAID' WHERE id=".$id);
86  }
87
88  public function insert($data) {
89   $this->db->insert('
      product_transaction', $data);
90   $insert_id = $this->db->
      insert_id();
91   return  $insert_id;
92  }
93
94  public function get_buyer(
      $prodid) {
95   $query = $this->db->query('
      SELECT * FROM
      product_transaction WHERE
      product_id='.$prodid);
96   return $query->row()->buyer_id;
97  }
98
99  public function
      get_bought_product($userid) {
100   $query = $this->db->query('
      SELECT * from
      product_transaction WHERE
      buyer_id='.$userid);
101   return $query->result();
102  }
103
104  public function get_sold_product
      ($userid) {
105   $query = $this->db->query('
      SELECT * from
      product_transaction WHERE
      seller_id='.$userid);
106   return $query->result();
107  }
108
109  public function
      record_count_bought($id) {
110   $query = $this->db->where('
      buyer_id', $id)->get('
      product_transaction');
111   return $query->num_rows();
112  }
113
114  public function
      record_count_sold($id) {
115   $query = $this->db->where('
      seller_id', $id)->get('
      product_transaction');
116   return $query->num_rows();
117  }
118
119  public function
      fetch_product_bought($id,
      $limit, $start) {
120   $this->db->limit($limit, $start)
      ;
```

```
121    $query = $this->db->get_where('
         product_transaction', array('
         buyer_id'=>$id));
122    if($query->num_rows() > 0) {
123      foreach($query->result() as
         $row) {
124       $data[] = $row;
125      }
126      return $data;
127    }
128    return false;
129  }
130
131   public function
         fetch_product_sold($id,$limit,
         $start) {
132    $this->db->limit($limit,$start)
         ;
133    $query = $this->db->get_where('
         product_transaction', array('
         seller_id'=>$id));
134    if($query->num_rows() > 0) {
135      foreach($query->result() as
         $row) {
136       $data[] = $row;
137      }
138      return $data;
139    }
140    return false;
141  }
142
143      function __destruct() {
144          $this->db->close();
145      }
146 }
```

Listing 28: registered_accounts_model.php

```
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
        allowed');
4
5 class Registered_accounts_model
        extends CI_Model
6 {
7  function __construct() {
8       parent::__construct();
9       $this->load->database();
10     }
11
12  public function get_isDisabled(
        $id) {
13    return $this->db->query('SELECT
        isDisabled FROM users WHERE
        id='.$id)->row()->isDisabled;
14  }
```

```
15
16  public function get_data() {
17    $query = $this->db->query('
        SELECT * FROM users');
18    return $query->result();
19  }
20
21  public function disable($id) {
22    $query = $this->db->query('
        UPDATE users SET isDisabled=1
        WHERE id='.$id);
23  }
24
25  public function activate($id) {
26    $query = $this->db->query('
        UPDATE users SET isDisabled=0
        WHERE id='.$id);
27  }
28
29      function __destruct() {
30          $this->db->close();
31      }
32 }
```

Listing 29: report_model.php

```
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
        allowed');
4
5 class Report_model extends
        CI_Model
6 {
7  function __construct() {
8       parent::__construct();
9       $this->load->database();
10     }
11
12  public function add_buyer_report
        ($data) {
13       $this->db-> insert('
        buyer_reports', $data);
14     }
15
16  public function get_data() {
17    $query = $this->db->query('
        SELECT * FROM buyer_reports');
18    return $query->result();
19  }
20
21  public function get_report($id)
        {
22    $query = $this->db->query('
        SELECT * FROM buyer_reports
        WHERE id='.$id);
23    return $query->row();
24  }
25
```

```php
26    function __destruct() {
27        $this->db->close();
28    }
29 }
```

Listing 30: request_model.php

```php
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class Request_model extends
      CI_Model
6 {
7  function __construct() {
8        parent::__construct();
9        $this->load->database();
10    }
11
12  public function record_count_all
      () {
13   $query = $this->db->get('
      product_request');
14   return $query->num_rows();
15  }
16
17  public function
      fetch_product_request_all(
      $limit, $start) {
18   $this->db->limit($limit, $start)
      ;
19   $query = $this->db->get('
      product_request');
20   if($query->num_rows() > 0) {
21    foreach($query->result() as
      $row) {
22     $data[] = $row;
23    }
24    return $data;
25   }
26   return false;
27  }
28
29  public function delete_request(
      $id) {
30   $this->db->query('DELETE from
      product_request where id='.$id
      );
31  }
32
33  public function
      get_product_request($id) {
34   $query = $this->db->query('
      SELECT * FROM product_request
      where id='.$id);
35   return $query->row();
36  }
37
```

```php
38 public function get_requests() {
39  $query = $this->db->query('
      SELECT * FROM product_request
      ');
40  return $query->result();
41 }
42
43 public function insert_request(
      $data) {
44  $this->db->insert('
      product_request', $data);
45  $insert_id = $this->db->
      insert_id();
46  return  $insert_id;
47 }
48
49 public function
      update_image_name($id,$img) {
50  $this->db->query("UPDATE
      product_request SET image='".
      $img."' WHERE id=".$id);
51 }
52
53    function __destruct() {
54        $this->db->close();
55    }
56 }
```

Listing 31: search_model.php

```php
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class Search_model extends
      CI_Model
6 {
7  function __construct() {
8        parent::__construct();
9        $this->load->database();
10    }
11
12  public function search_user(
      $term) {
13   $this->db->like('name', $term);
14   $query = $this->db->get('users
      ');
15   return $query->result();
16  }
17
18  public function record_count(
      $term) {
19   $where = "quantity > 0 AND
      isActive='YES' AND
20        (name LIKE '%$term%' OR
      description LIKE '%$term%')";
21   $this->db->where($where);
```

```php
22   $query = $this->db->get('
       product_advertised');
23   return $query->num_rows();
24 }
25
26  public function
      fetch_product_advertised($term
      ,$limit,$start) {
27   $this->db->limit($limit,$start)
       ;
28   $where = "quantity > 0 AND
       isActive='YES' AND
29        (name LIKE '%$term%' OR
       description LIKE '%$term%')";
30   $this->db->where($where);
31   $query = $this->db->get('
       product_advertised');
32   if($query->num_rows() > 0) {
33    foreach($query->result() as
      $row) {
34     $data[] = $row;
35    }
36    return $data;
37   }
38   return false;
39  }
40
41     function __destruct() {
42        $this->db->close();
43     }
44 }
```

Listing 32: trade_model.php

```php
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class Trade_model extends
      CI_Model
6 {
7  function __construct() {
8        parent::__construct();
9        $this->load->database();
10    }
11
12  public function approve_trade(
      $id) {
13   $this->db->query("UPDATE
       trade_request SET status='
       APPROVED' WHERE id=".$id);
14  }
15
16  public function disapprove_trade
      ($id) {
17   $this->db->query("UPDATE
       trade_request SET status='
       DISAPPROVED' WHERE id=".$id);
18 }
19
20  public function is_traded(
      $buyer_id, $prodid) {
21   $query = $this->db->get_where('
       trade_request',array('buyer_id
       '=>$buyer_id,'prodid'=>$prodid
       ,'status'=>'PENDING'));
22   if($query->num_rows() > 0) {
23    return 1;
24   }
25   else {
26    return 0;
27   }
28 }
29
30  public function get_trade($id) {
31   $query = $this->db->query('
       SELECT * from trade_request
       WHERE id='.$id);
32   return $query->row();
33  }
34
35  public function get_product_id(
      $id) {
36   $query = $this->db->query('
       SELECT * from trade_request
       WHERE id='.$id);
37   return $query->row()->prodid;
38  }
39
40  public function get_buyer_id($id
      ) {
41   $query = $this->db->query('
       SELECT * from trade_request
       WHERE id='.$id);
42   return $query->row()->buyer_id;
43  }
44
45  public function get_seller_id(
      $id) {
46   $query = $this->db->query('
       SELECT * from trade_request
       WHERE id='.$id);
47   return $query->row()->seller_id
       ;
48  }
49
50  public function add($data) {
51        $this->db->insert('
       trade_request', $data);
52   $insert_id = $this->db->
       insert_id();
53   return  $insert_id;
54     }
55
56  public function get_buyer_trades
      ($id) {
```

```php
57    $query = $this->db->query('
      SELECT * from trade_request
      WHERE buyer_id='.$id);
58    return $query->result();
59  }
60
61  public function
      get_seller_trades($id) {
62    $query = $this->db->query('
      SELECT * from trade_request
      WHERE seller_id='.$id);
63    return $query->result();
64  }
65
66      function __destruct() {
67          $this->db->close();
68      }
69 }
```

Listing 33: upload_model.php

```php
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class Upload_model extends
      CI_Model
6 {
7  function __construct() {
8          parent::__construct();
9          $this->load->database();
10     }
11
12  public function get_uploads(
      $prodid) {
13    $query = $this->db->query("
      SELECT * from uploads where
      prodid=".$prodid);
14    return $query->result();
15  }
16
17  public function delete_uploads(
      $prodid) {
18    $this->db->query('DELETE from
      uploads where prodid='.$prodid
      );
19  }
20
21  public function add($data) {
22          $this->db-> insert('
      uploads', $data);
23      }
24
25      function __destruct() {
26          $this->db->close();
27      }
28 }
```

Listing 34: user_model.php

```php
1 <?php
2 if (!defined('BASEPATH'))
3     exit('No direct script access
      allowed');
4
5 class User_model extends CI_Model
6 {
7  function __construct() {
8          parent::__construct();
9          $this->load->database();
10     }
11
12  public function update_image(
      $image,$id) {
13    $this->db->query("UPDATE users
      SET image='".$image."' WHERE
      id=".$id);
14  }
15
16  public function get_image(
      $userid) {
17    $query = $this->db->query('
      SELECT * from users where id
      ='.$userid);
18    return $query->row()->image;
19  }
20
21  public function get_credibility(
      $userid) {
22    $query = $this->db->query('
      SELECT * from users where id
      ='.$userid);
23    return $query->row()->
      credibility;
24  }
25
26  public function new_credibility(
      $seller_id,$prev_ratings) {
27    $prev_ratings_ctr = 0;
28    for($i = 0;$i < sizeof(
      $prev_ratings);$i++) {
29    $prev_ratings_ctr +=
      $prev_ratings[$i];
30    }
31    $new_credibility =
      $prev_ratings_ctr / sizeof(
      $prev_ratings);
32    $this->db->query("UPDATE users
      SET credibility='".
      $new_credibility."' WHERE id
      =".$seller_id);
33
34  }
35
36  public function
      update_credibility($seller_id,
      $prev_ratings,$rating,
```

```php
                                          $prev_rating) {
37    $prev_ratings_ctr = 0;
38    for ($i = 0; $i < sizeof(
        $prev_ratings); $i++) {
39      $prev_ratings_ctr +=
          $prev_ratings[$i];
40    }
41    $new_credibility = (
        $prev_ratings_ctr + $rating -
        $prev_rating) / (sizeof(
        $prev_ratings));
42    $this->db->query("UPDATE users
        SET credibility='".
        $new_credibility."' WHERE id
        =".$seller_id);
43
44  }
45
46  public function get_all_users()
      {
47    $query = $this->db->query('
        SELECT * FROM users');
48    return $query->result();
49  }
50
51  public function get_user($id) {
52    $query = $this->db->query('
        SELECT * from users where id
        ='.$id);
53    return $query->row();
54  }
55
56  public function get_user_name(
      $userid) {
57    $query = $this->db->get_where('
        users', array('id'=>$userid));
58    return $query->row()->name;
59  }
60
61  public function
      update_edited_profile($id,
      $data) {
62    $this->db->where('id', $id);
63    $this->db->update('users',
        $data);
64  }
65
66  public function check_pass($id,
      $pass) {
67    $this->db->where('id', $id);
68    $this->db->where('password',
        $pass);
69    $query = $this->db->get('users
        ');
70    return $query->num_rows();
71  }
72
73  public function update_password(
      $newpass, $id) {
74    $this->db->query("UPDATE users
        SET password='".$newpass."'
        WHERE id=".$id);
75  }
76
77    function __destruct() {
78        $this->db->close();
79    }
80 }
```

Listing 35: templates/admin_header.php

```php
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5
6     <meta charset="utf-8">
7     <meta http-equiv="X-UA-
        Compatible" content="IE=edge">
8     <meta name="viewport" content
        ="width=device-width, initial-
        scale=1">
9     <meta name="description"
        content="">
10    <meta name="author" content
        ="">
11
12    <title>LEAf-UPM</title>
13 <link rel="shortcut icon" type="
      image/x-icon" href="<?php echo
       base_url('assets/images/leaf.
      jpg');?>" />
14    <link href="<?php echo
      base_url('assets/css/bootstrap
      .min.css');?>" rel="stylesheet
      ">
15 <link href="<?php echo base_url
      ('assets/css/dataTables.
      bootstrap.css');?>" rel="
      stylesheet" />
16    <link href="<?php echo
      base_url('assets/css/sb-admin
      -2.css');?>" rel="stylesheet">
17 <link href="<?php echo base_url
      ('assets/css/style2.css');?>"
      rel="stylesheet">
18 <link href="<?php echo base_url
      ('assets/css/style3.css');?>"
      rel="stylesheet">
19    <link href="<?php echo
      base_url('assets/css/font-
      awesome/css/font-awesome.min.
      css');?>" rel="stylesheet">
20
21  <style>
```

```
22    .modal−header , h4 , . close {
23     background−color : #5cb85c ;
24     color : white ! important ;
25     text−align : center ;
26     font−size : 30px ;
27    }
28    .modal−footer {
29     background−color : #f9f9f9 ;
30    }
31    .badge−error {
32      background−color : red ;
33    }
34  </style>
35
36  <script>
37   $( document ) . ready ( function ( ) {
38    $(” #myBtn” ) . click ( function ( ) {
39     $(” #myModal” ) . modal ( ) ;
40    }) ;
41   }) ;
42  </script>
43
44      <script src=”<?php echo
     base_url ( ’ assets / js / jquery . min
     . js ’ ) ;?>” ></script>
45      <script src=”<?php echo
     base_url ( ’ assets / js / bootstrap .
     min . js ’ ) ;?>” ></script>
46      <script src=”<?php echo
     base_url ( ’ assets / js / metisMenu .
     min . js ’ ) ;?>” ></script>
47      <script src=”<?php echo
     base_url ( ’ assets / js / sb−admin
     −2. js ’ ) ;?>” ></script>
48  <script src=”<?php echo base_url
     ( ’ assets / js / jquery . dataTables .
     min . js ’ ) ;?>” </script>
49  <script src=”<?php echo base_url
     ( ’ assets / js / dataTables .
     bootstrap . min . js ’ ) ;?>” ></
     script>
50
51  <script>
52          $( document ) . ready (
     function ( ) {
53              $( ’ #dataTables−
     example ’ ) . DataTable ({
54                  responsive : true
55              }) ;
56          }) ;
57      </script>
58
59  <script src=”<?php echo base_url
     ( ’ assets / js / checker . js ’ )
     ;?>” ></script>
60  <script src=”<?php echo base_url
     ( ’ assets / js / megamenu . js ’ )
     ;?>” ></script>
61  <script>
62          $( document ) . ready (
     function ( ) {
63              $(” .megamenu” ) .
     megamenu ( ) ;
64          }) ;
65      </script>
66  <script src=”<?php echo base_url
     ( ’ assets / js / jquery . jscrollpane
     . min . js ’ ) ;?>” ></script>
67  <script src=”<?php echo base_url
     ( ’ assets / js / slides . min . jquery .
     js ’ ) ;?>” ></script>
68  <script src=”<?php echo base_url
     ( ’ assets / js / jquery . etalage . min
     . js ’ ) ;?>” ></script>
69  <link href=”<?php echo base_url
     ( ’ assets / css / etalage . css ’ ) ;?>”
     rel=” stylesheet”>
70   <script>
71          jQuery ( document ) . ready (
     function ( $ ) {
72              $( ’ #etalage ’ ) . etalage
     ({
73                  thumb_image_width
     : 360 ,
74
     thumb_image_height : 360 ,
75
     source_image_width : 900 ,
76
     source_image_height : 900 ,
77                  show_hint : true ,
78                  click_callback :
     function ( image_anchor ,
     instance_id ) {
79                      alert ( ’
     Callback example : \nYou clicked
      on an image with the anchor :
      ” ’ + image_anchor + ’” \n ( in
     Etalage instance : ” ’ +
     instance_id + ’” ) ’ ) ;
80                  }
81              }) ;
82
83          }) ;
84      </script>
85  <script type=” text / javascript”>
86      $( function ( ) {
87   $( ’ span . stars ’ ) . stars ( ) ;
88   }) ;
89
90   $. fn . stars = function ( ) {
91    return $( this ) . each ( function ( )
      {
92     $( this ) . html ( $( ’ <span /> ’ ) .
     width ( Math . max ( 0 , ( Math . min ( 5 ,
93
```

```
       parseFloat($(this).html())))))
       * 16));
 94    });
 95    }
 96  </script>
 97  <style type="text/css">
 98   span.stars, span.stars span {
 99    display: block;
100    background: url("<?php echo
       base_url();?>assets/images/
       stars.png"); 0 -16px repeat-x
       0 -16px repeat-x;
101
102    width: 80px;
103    height: 16px;
104   }
105
106   span.stars span {
107    background-position: 0 0;
108   }
109  </style>
110  </head>
111
112  <body>
113
114     <div id="wrapper">
115         <nav class="navbar navbar
        -default navbar-static-top"
        role="navigation" style="
        margin-bottom: 0">
116             <div class="navbar-
        header">
117                 <button type="
        button" class="navbar-toggle"
        data-toggle="collapse" data-
        target=".navbar-collapse">
118                     <span class="
        sr-only">Toggle navigation</
        span>
119                     <span class="
        icon-bar"></span>
120                     <span class="
        icon-bar"></span>
121                     <span class="
        icon-bar"></span>
122                 </button>
123                 <a class="navbar-
        brand" href="index.html">LEAf
        UPM</a>
124             </div>
125             <ul class="nav navbar
        -top-links navbar-right">
126                 <li class="
        dropdown">
127                     <a class="
        dropdown-toggle" data-toggle="
        dropdown" href="#">
128                         <i class
        ="fa fa-envelope fa-fw"></i><?
        php if($unread_convo > 0) {
        echo "<span class='badge badge
        -error'>".$unread_convo."</
        span>";}?><i class="fa fa-
        caret-down"></i>
129                     </a>
130                     <ul class="
        dropdown-menu dropdown-
        messages">
131                         <?php
        for($i = 0;$i < sizeof(
        $unread_convo_list);$i++) {
132         if($i == 10) {
133          break;
134         }
135         $hrefstr = "conversation/
        prior_view_conversation/".
        $unread_list_senderids[$i];
136         $mess_content =
        $unread_convo_list[$i]->
        content;
137          if(strlen($mess_content) >
         35) {
138          $mess_content = substr(
        $mess_content,0,31)."...";
139          }
140         echo "
        <li>
        <a href='".site_url(
        $hrefstr)."'>
        <div>
        <strong>".
        $unread_list_senders[$i]."</
        strong>
        <span class='pull-right
         text-muted'>
        <em>".
        $unread_convo_list[$i]->
        date_message."</em>
        </span>
        </div>
        <div>".$mess_content."</
        div>
        </a>
        </li>
        <li class='divider'></li>
        ";
        } ?>
                        <li>
                            <a
        class="text-center" href="<?
        php echo site_url('
        conversation/view_all'); ?>">
                                <
        strong>View All Conversations
        </strong>
                                <
```

```
        i class="fa fa-angle-right"></i>
160                                     </a>
161                                 </li>
162                             </ul>
163                         </li>
164     <li class="dropdown">
165                     <a class="dropdown-toggle" data-toggle="dropdown" href="#">
166                         <i class="fa fa-bell fa-fw"></i><?php if (sizeof($unread_notifications) > 0) { echo "<span class='badge badge-error'>".sizeof($unread_notifications)."</span>";}?><i class="fa fa-caret-down"></i>
167                     </a>
168                     <ul class="dropdown-menu dropdown-alerts">
169         <?php
170           if (sizeof($unread_notifications) > 0) {
171             $ctr = 0;
172             foreach ($unread_notifications as $unread_notification) {
173               $ctr++;
174               if ($ctr == 10) {
175                break;
176               }
177               $hrefstr = "administrator/prior_acctreq";
178               if ($unread_notification->type == 'new_product_requests' || $unread_notification->type == 'product_request_deleted') {
179                 $hrefstr = "request/prior_product_requests";
180               }
181               else if ($unread_notification->type == 'feedback') {
182                 $hrefstr = "feedback/prior_view_all";
183               }
184               else if ($unread_notification->type == 'new_report') {
185                 $hrefstr = "administrator/prior_buyer_reports";
186               }
187               echo "
188                   <li>
189                     <a href='".site_url($hrefstr)."'>
190                       <div>
191                         <i class='fa fa-usd fa-fw'></i>",$unread_notification->description."
192                         <span class='pull-right text-muted small'>".$unread_notification->date_notification."</span>
193                       </div>
194                     </a>
195                   </li>
196                   <li class='divider'></li>";
197             }
198           }
199         ?>
200                         <li>
201                             <a class="text-center" href="<?php echo site_url('notification/view_all'); ?>">
202                                 <strong>See All Notifications</strong>
203                                 <i class="fa fa-angle-right"></i>
204                             </a>
205                         </li>
206                     </ul>
207                     <!-- /.dropdown-alerts -->
208                 </li>
209                 <li class="dropdown">
210                     <a class="dropdown-toggle" data-toggle="dropdown" href="#">
211                         <i class="fa fa-user fa-fw"></i> <?php echo $username; ?> <i class="fa fa-caret-down"></i>
212                     </a>
213                     <ul class="dropdown-menu dropdown-user">
214                         <li><a href="<?php echo site_url('logout'); ?>"><i class="fa fa-sign-out fa-fw"></i> Logout</a>
215                         </li>
216                     </ul>
217                 </li>
218             </ul>
```

```
219            <div class="navbar-default sidebar" role="navigation">
220                <div class="sidebar-nav navbar-collapse">
221                    <ul class="nav" id="side-menu">
222                        <li class="sidebar-search">
223        <form action="<?php echo site_url('search/index'); ?>" method="post">
224            <div class="input-group custom-search-form">
225                <input type="text" name="term" class="form-control" placeholder="Search Users">
226                <span class="input-group-btn">
227                    <button class="btn btn-default" type="submit">
228                        <i class="fa fa-search" style="font-size:18px"></i>
229                    </button>
230                </span>
231            </div>
232        </form>
233                        </li>
234                        <li>
235                            <a href="<?php echo site_url('user'); ?>"><i class="fa fa-user fa-fw"></i> Profile</a>
236                        </li>
237                        <li>
238                            <a href="<?php echo site_url('home/index'); ?>"><i class="fa fa-home fa-fw"></i> Home</a>
239                        </li>
240                        <li>
241                            <a href="<?php echo site_url('administrator/prior_acctreq'); ?>"><i class="fa fa-table fa-fw"></i> Account Requests</a>
242                        </li>
243                        <li>
244                            <a href="<?php echo site_url('administrator/registered_accts'); ?>"><i class="fa fa-table fa-fw"></i> Registered Accounts</a>
245                        </li>
246    <li>
247        <a href="#"><i class="fa fa-table fa-fw"></i> Product Categories<span class="fa arrow"></span></a>
248                            <ul class="nav nav-second-level">
249                                <li>
250    <a href="<?php echo site_url('product_category'); ?>">View categories</a>
251 </li>
252                                <li>
253    <a href="<?php echo site_url('product_category/add_view'); ?>">Add category</a>
254 </li>
255                            </ul>
256                        </li>
257                        <li>
258                            <a href="<?php echo site_url('product/view_all'); ?>"><i class="fa fa-table fa-fw"></i> Products Advertised</a>
259                        </li>
260                        <li>
261                            <a href="<?php echo site_url('request/prior_product_requests'); ?>"><i class="fa fa-table fa-fw"></i> Product Requests</a>
262                        </li>
263    <li>
264                            <a href="<?php echo site_url('administrator/prior_buyer_reports'); ?>"><i class="fa fa-table fa-fw"></i> Buyer Reports</a>
265                        </li>
266    <li>
267                            <a href="<?php echo site_url('feedback/prior_view_all'); ?>"><i class="fa fa-table fa-fw"></i> Feedbacks</a>
268                        </li>
269                    </ul>
270                </div>
271            </div>
272        </nav>
```

Listing 36: templates/footer.php

```php
1 <div class="footer">
2     <div class="footer-bottom">
3         <div class="wrap">
4             <div class="copy">
5                 <p>  2016 Harold
    James C. Decapia</p>
6             </div>
7             <div class="f-list2">
8                 <ul>
9                     <li class
    =""><a href="<?php echo
    site_url('home/about'); ?>">
    About LEAf-UPM</a></li> |
10                   <li><a href
    ="<?php echo site_url('home/
    about'); ?>">About the
    developer</a></li> |
11               </ul>
12           </div>
13           <div class="clear"></
    div>
14       </div>
15   </div>
16 </div>
17 </body>
18
19 </html>
```

Listing 37: templates/header.php

```php
1 <!DOCTYPE HTML>
2 <html>
3
4 <head>
5     <title>LEAf-UPM</title>
6 <link rel="shortcut icon" type="
    image/x-icon" href="<?php echo
    base_url('assets/images/leaf.
    jpg');?>" />
7     <meta name="viewport" content
    ="width=device-width, initial-
    scale=1, maximum-scale=1">
8     <meta http-equiv="Content-
    Type" content="text/html;
    charset=utf-8" />
9     <link href="<?php echo
    base_url('assets/css/style.css
    ');?>" rel="stylesheet" type="
    text/css" media="all" />
10    <link href="<?php echo
    base_url('assets/css/form.css
    ');?>" rel="stylesheet" type="
    text/css" media="all" />
11 <link href="<?php echo base_url
    ('assets/css/jquery-ui.css')
    ;?>" rel="stylesheet" type="
    text/css" media="all" />
12     <script type="text/javascript
    " src="<?php echo base_url('
    assets/js/jquery1.min.js')
    ;?>"></script>
13
14     <link href="<?php echo
    base_url('assets/css/megamenu.
    css');?>" rel="stylesheet"
    type="text/css" media="all" />
15     <script type="text/javascript
    " src="<?php echo base_url('
    assets/js/megamenu.js');?>"></
    script>
16     <script src="<?php echo
    base_url('assets/js/checker.js
    ');?>"></script>
17     <script>
18         $(document).ready(
    function() {
19             $(".megamenu").
    megamenu();
20         });
21     </script>
22
23     <link rel="stylesheet" href
    ="<?php echo base_url('assets/
    css/fwslider.css');?>" media="
    all">
24 <script src="<?php echo base_url
    ('assets/js/jquery.min.js')
    ;?>"></script>
25 <script src="<?php echo base_url
    ('assets/js/datepicker.js')
    ;?>"></script>
26     <script src="<?php echo
    base_url('assets/js/jquery-ui.
    min.js');?>"></script>
27     <script src="<?php echo
    base_url('assets/js/css3-
    mediaqueries.js');?>"></script
    >
28     <script src="<?php echo
    base_url('assets/js/fwslider.
    js');?>"></script>
29
30     <script src="<?php echo
    base_url('assets/js/jquery.
    easydropdown.js');?>"></script
    >
31
32 <script src="<?php echo base_url
    ('assets/js/megamenu.js')
    ;?>"></script>
33 <script>
34     $(document).ready(
    function() {
35         $(".megamenu").
    megamenu();
```

```
36              });
37          </script>
38  <script src="<?php echo base_url
        ('assets/js/jquery.jscrollpane
        .min.js');?>"></script>
39  <script src="<?php echo base_url
        ('assets/js/slides.min.jquery.
        js');?>"></script>
40  <script src="<?php echo base_url
        ('assets/js/jquery.etalage.min
        .js');?>"></script>
41  <link href="<?php echo base_url
        ('assets/css/etalage.css');?>"
        rel="stylesheet">
42  <script>
43          jQuery(document).ready(
        function($) {
44
45              $('#etalage').etalage
        ({
46                  thumb_image_width
        : 360,
47
        thumb_image_height: 360,
48
        source_image_width: 900,
49
        source_image_height: 900,
50                  show_hint: true,
51                  click_callback:
        function(image_anchor,
        instance_id) {
52                      alert('
        Callback example:\nYou clicked
        on an image with the anchor:
        "' + image_anchor + '"\n(in
        Etalage instance: "' +
        instance_id + '")');
53                  }
54              });
55
56          });
57      </script>
58  </head>
59
60  <body>
61      <div class="header-top">
62          <div class="wrap">
63              <div class="cssmenu">
64      <?php if (!($this->session->
        userdata('username'))) { ?>
65          <ul>
66              <li><a href="<?php echo
        site_url('home/login'); ?>">
        Log In</a></li> |
67              <li><a href="<?php echo
        site_url('home/register');
        ?>">Register</a></li>
68          </ul>
69  <?php } else { ?>
        <ul>
        <li>You are logged in as:<a
        href="<?php echo site_url('
        user');?>"><?php echo $this->
        session->userdata('username');
        ?></a></li>
        </ul>
70  <?php } ?>
71              </div>
        <div class="clear"></
        div>
72      </div>
73  </div>
74  <div class="header-bottom">
75      <div class="wrap">
76          <div class="header-
        bottom-left">
77
78              <div class="menu
        ">
79                  <ul class="
        megamenu skyblue">
80                      <li class
        ="active grid"><a href="<?php
        echo site_url('home/index');
        ?>">Home</a></li>
81                      <li class
        ="active grid"><a href="<?php
        echo site_url('home/about');
        ?>">About</a></li>
82      <li class="active grid"><a
        href="<?php echo site_url('
        home/browse_products'); ?>">
        Browse products</a></li>
83      <li class="active grid"><a
        href="<?php echo site_url('
        home/request'); ?>">Request</a
        ></li>
84                  </ul>
85              </div>
86          </div>
87              <div class="header-
        bottom-right">
88                  <div class="
        search">
89      <form action="<?php echo
        site_url('search/
        search_products'); ?>" method
        ="post">
90      <input type="text" name="
        term" class="textbox" value="
        Search Products" onfocus="this
        .value = '';" onblur="if (this
        .value == '') {this.value = '
        Search Products';}">
91      <input type="submit" value
```

```
          ="Subscribe" id="submit" name
          ="submit">
 96                    </form>
 97      <div id="response"> </div>
 98                 </div>
 99              </div>
100              <div class="clear"></div>
          div>
101          </div>
102      </div>
```

Listing 38: templates/user_header.php

```
 1 <!DOCTYPE html>
 2 <html lang="en">
 3
 4 <head>
 5
 6     <meta charset="utf-8">
 7     <meta http-equiv="X-UA-
       Compatible" content="IE=edge">
 8     <meta name="viewport" content
       ="width=device-width, initial-
       scale=1">
 9     <meta name="description"
       content="">
10     <meta name="author" content
       ="">
11
12     <title>LEAf-UPM</title>
13 <link rel="shortcut icon" type="
      image/x-icon" href="<?php echo
       base_url('assets/images/leaf.
      jpg');?>" />
14     <link href="<?php echo
       base_url('assets/css/bootstrap
       .min.css');?>" rel="stylesheet
       ">
15 <link href="<?php echo base_url
      ('assets/css/dataTables.
      bootstrap.css');?>" rel="
      stylesheet" />
16     <link href="<?php echo
       base_url('assets/css/sb-admin
       -2.css');?>" rel="stylesheet">
17 <link href="<?php echo base_url
      ('assets/css/style2.css');?>"
      rel="stylesheet">
18 <link href="<?php echo base_url
      ('assets/css/style3.css');?>"
      rel="stylesheet">
19     <link href="<?php echo
       base_url('assets/css/font-
       awesome/css/font-awesome.min.
       css');?>" rel="stylesheet">
20
21 <style>
22   .modal-header, h4, .close {
23    background-color: #5cb85c;
24    color:white !important;
25    text-align: center;
26    font-size: 30px;
27  }
28   .modal-footer {
29    background-color: #f9f9f9;
30  }
31   .badge-error {
32     background-color: red;
33  }
34 </style>
35
36 <script>
37   $(document).ready(function(){
38    $("#myBtn").click(function(){
39     $("#myModal").modal();
40    });
41   });
42 </script>
43
44     <script src="<?php echo
       base_url('assets/js/jquery.min
       .js');?>"></script>
       <script src="<?php echo
       base_url('assets/js/bootstrap.
       min.js');?>"></script>
       <script src="<?php echo
       base_url('assets/js/metisMenu.
       min.js');?>"></script>
       <script src="<?php echo
       base_url('assets/js/sb-admin
       -2.js');?>"></script>
48 <script src="<?php echo base_url
      ('assets/js/jquery.dataTables.
      min.js');?>"> </script>
49 <script src="<?php echo base_url
      ('assets/js/dataTables.
      bootstrap.min.js');?>"></
      script>
50
51 <script>
52       $(document).ready(
      function() {
53           $('#dataTables-
      example').DataTable({
54               responsive: true
55           });
56       });
57   </script>
58
59 <script src="<?php echo base_url
      ('assets/js/checker.js')
      ;?>"></script>
60 <script src="<?php echo base_url
      ('assets/js/megamenu.js')
      ;?>"></script>
61 <script>
62       $(document).ready(
```

```
62      function () {
63          $(".megamenu").
        megamenu();
64          });
65      </script>
66  <script src="<?php echo base_url
        ('assets/js/jquery.jscrollpane
        .min.js');?>"></script>
67  <script src="<?php echo base_url
        ('assets/js/slides.min.jquery.
        js');?>"></script>
68  <script src="<?php echo base_url
        ('assets/js/jquery.etalage.min
        .js');?>"></script>
69  <link href="<?php echo base_url
        ('assets/css/etalage.css');?>"
        rel="stylesheet">
70   <script>
71          jQuery(document).ready(
        function($) {
72
73              $('#etalage').etalage
        ({
74                  thumb_image_width
        : 360,
75
        thumb_image_height: 360,
76
        source_image_width: 900,
77
        source_image_height: 900,
78                  show_hint: true,
79                  click_callback:
        function(image_anchor,
        instance_id) {
80                      alert('
        Callback example:\nYou clicked
         on an image with the anchor:
        "' + image_anchor + '"\n(in
        Etalage instance: "' +
        instance_id + '")');
81                  }
82              });
83
84          });
85      </script>
86  <script type="text/javascript">
87      $(function() {
88   $('span.stars').stars();
89   });
90
91   $.fn.stars = function() {
92    return $(this).each(function()
         {
93     $(this).html($('<span />').
        width(Math.max(0, (Math.min(5,
        parseFloat($(this).html())))))
         * 16));
94    });
95   }
96  </script>
97  <style type="text/css">
98   span.stars, span.stars span {
        display: block;
        background: url("<?php echo
        base_url();?>assets/images/
        stars.png") 0 -16px repeat-x;
        0 -16px repeat-x;
        width: 80px;
        height: 16px;
    }
    span.stars span {
        background-position: 0 0;
    }
107  </style>
108 </head>
109
110 <body>
111
112     <div id="wrapper">
113         <nav class="navbar navbar
        -default navbar-static-top"
        role="navigation" style="
        margin-bottom: 0">
114             <div class="navbar-
        header">
115                 <button type="
        button" class="navbar-toggle"
        data-toggle="collapse" data-
        target=".navbar-collapse">
116                     <span class="
        sr-only">Toggle navigation</
        span>
117                     <span class="
        icon-bar"></span>
118                     <span class="
        icon-bar"></span>
119                     <span class="
        icon-bar"></span>
120                 </button>
121                 <a class="navbar-
        brand" href="">LEAf-UPM</a>
122             </div>
123             <ul class="nav navbar
        -top-links navbar-right">
124  <li class="dropdown">
125                     <a class="
        dropdown-toggle" data-toggle="
        dropdown" href="#">
126                         <i class
        ="fa fa-envelope fa-fw"></i><?
        php if($unread_convo > 0) {
        echo "<span class='badge badge
        -error'>".$unread_convo."</
        span>";}?> <i class="fa fa-
        caret-down"></i>
```

```php
127                      </a>
128                      <ul class="dropdown−menu dropdown−messages">
129          <?php
130          for($i = 0;$i < sizeof($unread_convo_list);$i++) {
131            if($i == 10) {
132             break;
133            }
134            $hrefstr = "conversation/prior_view_conversation/".$unread_list_senderids[$i];
135            $mess_content = $unread_convo_list[$i]−>content;
136            if(strlen($mess_content) > 35) {
137              $mess_content = substr($mess_content,0,34);
138            }
139            echo "
140             <li>
141              <a href='".site_url($hrefstr)."'>
142                <div>
143                  <i class='fa fa−comment fa−fw'></i>
144                  <strong >".$unread_list_senders[$i]."</strong>
145                  <span class='pull−right text−muted'>
146                    <em>".$unread_convo_list[$i]−>date_message."</em>
147                  </span>
148                </div>
149                <div>".$mess_content."</div>
150              </a>
151             </li>
152             <li class='divider'></li>
153             ";
154          }
155        ?>
156
157                      <li>
158                        <a class="text−center" href="<?php echo site_url('conversation/view_all'); ?>">
159                          <strong>View All Conversations</strong>
160                          <i class="fa fa−angle−right"></i>
161                        </a>
162                      </li>
163                    </ul>
164                  </li>
165  <li class="dropdown">
166                    <a class="dropdown−toggle" data−toggle="dropdown" href="#">
167                      <i class="fa fa−bell fa−fw"></i><?php if(sizeof($unread_notifications) > 0) { echo "<span class='badge badge−error'>".sizeof($unread_notifications)."</span>";}?><i class="fa fa−caret−down"></i>
168                    </a>
169                    <ul class="dropdown−menu dropdown−alerts">
170        <?php
171          if(sizeof($unread_notifications) > 0) {
172            $ctr = 0;
173            foreach($unread_notifications as $unread_notification) {
174              $ctr++;
175              if($ctr == 10) {
176               break;
177              }
178              $hrefstr = "product_transaction/prior_list_sold";
179              if($unread_notification−>type == 'trade_decision') {
180              $hrefstr = "trade/prior_view_trade_buyer";
181              }
182              else if($unread_notification−>type == 'trade_request') {
183                $hrefstr = "trade/prior_view_trade_seller";
184              }
185              else if($unread_notification−>type == 'transaction_decision') {
186                $hrefstr = "product_transaction/prior_list_bought";
187              }
188              else if($unread_notification−>type == 'product_request_deleted') {
189                $hrefstr = "request/
```

```
190            }
191        else if(
     $unread_notification->type ==
     'product_deleted') {
192            $hrefstr = "product/
     list_advertised";
193            }
194        else if(
     $unread_notification->type ==
     'credibility') {
195            $hrefstr = "user/
     prior_view_ratings";
196            }
197        else if(
     $unread_notification->type ==
     'product_disabled') {
198            $hrefstr = "product/
     prior_list_advertised";
199            }
200        echo "
201        <li>
202        <a href='".site_url(
     $hrefstr)."'>
203            <div>
204            <i class='fa fa-usd
     fa-fw'></i>",
     $unread_notification->
     description."
205            <span class='pull-
     right text-muted small'>".
     $unread_notification->
     date_notification."</span>
206            </div>
207        </a>
208        </li>
209        <li class='divider'></li
     >";
210            }
211        }
212    ?>
213            <li>
214            <a
     class="text-center" href="<?
     php echo site_url('
     notification/view_all'); ?>">
215            <
     strong>See All Notifications </
     strong>
216            <
     i class="fa fa-angle-right"></
     i>
217            </a>
218            </li>
219        </ul>
220        </li>
221        <li class="
     dropdown">
```

```
222        <a class="
     dropdown-toggle" data-toggle="
     dropdown" href="#">
223            <i class
     ="fa fa-user fa-fw"></i>
224            <?php
     echo $username; ?> <i class="
     fa fa-caret-down"></i>
225        </a>
226        <ul class="
     dropdown-menu dropdown-user">
227            <li><a
     href="<?php echo site_url('
     logout'); ?>"><i class="fa fa-
     sign-out fa-fw"></i> Logout</a
     >
228            </li>
229        </ul>
230        </li>
231    </ul>
232    <div class="navbar-
     default sidebar" role="
     navigation">
233        <div class="
     sidebar-nav navbar-collapse">
234            <ul class="
     nav" id="side-menu">
235            <li class
     ="sidebar-search">
236    <form action="<?php echo
     site_url('search/index'); ?>"
     method="post">
237    <div class="input-group
     custom-search-form">
238        <input type="text" name
     ="term" class="form-control"
     placeholder="Search Users">
239        <span class="input-group
     -btn">
240        <button class="btn btn-
     default" type="submit">
241        <i class="fa fa-search
     " style="font-size:18px"></i>
242        </button>
243        </span>
244    </div>
245    </form>
246            </li>
247            <li>
248            <a
     href="<?php echo site_url('
     user'); ?>"><i class="fa fa-
     user fa-fw"></i> Profile</a>
249            </li>
250            <li>
251            <a
     href="<?php echo site_url('
     home/index'); ?>"><i class="fa
```

```
                     fa-home fa-fw"></i> Home</a>
252                              </li>
253                              <li>
254                                <a
        href="#"><i class="fa fa-table
        fa-fw"></i> Products
        Management<span class="fa
        arrow"></span></a>
255                                <ul
        class="nav nav-second-level">
256                                <
        li>
257
           <a href="<?php echo
        site_url('product_transaction/
        view_bought'); ?>">Products
        bought</a>
258                                </li>
259                                <
        li>
260
           <a href="<?php echo
        site_url('product_transaction/
        view_sold'); ?>">Products sold
        </a>
261                                </li>
262                                <
        li>
263
           <a href="<?php echo
        site_url('product/
        view_advertised'); ?>">
        Products advertised</a>
264                                </li>
265                                <
        li>
266
           <a href="<?php echo
        site_url('product/advertise');
        ?>">Advertise a product</a>
267                                </li>
268                                </ul>
269                                </li>
270                                <li>
271                                <a
        href="#"><i class="fa fa-table
        fa-fw"></i> Trades Management
        <span class="fa arrow"></span
        ></a>
272                                <ul
        class="nav nav-second-level">
273                                <
        li>
274
           <a href="<?php echo
        site_url('trade/
        view_trade_buyer'); ?>">Trade
        requests(buyer)</a>
275
        </li>
276                                <
        li>
277
           <a href="<?php echo
        site_url('trade/
        view_trade_seller'); ?>">Trade
        requests(seller)</a>
278
        </li>
279                                </ul>
280                                </li>
281    <li>
282                                <a
        href="<?php echo site_url('
        user/view_all'); ?>"><i class
        ="fa fa-table fa-fw"></i> View
        all users</a>
283                                </li>
284                                <li>
285                                <a
        href="<?php echo site_url('
        request/product_requests');
        ?>"><i class="fa fa-table fa-
        fw"></i> View product requests
        </a>
286                                </li>
287                                </ul>
288                                </div>
289                                </div>
290                                </nav>
```

Listing 39: about.php

```
1  <div class="login">
2      <div class="wrap">
3      <ul class="breadcrumb
       breadcrumb__t"><a class="home"
        href="#">Home</a>  / About</
       ul>
4  <h5 class="m_6">Localized E-
       Commerce Application for UP
       Manila</h5>
5  <p class="m_text">The Localized
        E-Commerce Application for
       University of the Philippines
       Manila (LEAf-UPM) is a web
       based management system
       designed and implemented by
       Harold James C. Decapia as a
       Special Problem for the BS
       Computer Science program. It
       has been coded using the PHP
       programming language with the
```

```
   help of the CodeIgniter framework. It connects to the
   database using MySQL. The front-end user interface uses
   Bootstrap, CSS, jQuery, JavaScript and other third
   party libraries and templates. LEAf–UPM has been created
   primarily to ease the buying, selling and advertising of
   products within the UP Manila campus by centralizing all
   sellers, buyers and products to better connect and interact
   with each other.</p>
6  </div>
7  </div>
8  <br /> <br /> <br /> <br /> <br /> <br /> <br /> <br /> <br /><br /><br />
```

Listing 40: acctreq.php

```
1  <div id="page-wrapper">
2      <div class="row">
3          <div class="col-lg-12">
4
5              <div class="panel panel-default">
6                  <div class="panel-heading">
7                      Account Requests
8                  </div>
9                  <div class="panel-body">
10    <form action="<?php echo site_url('administrator/manage_acctreq'); ?>" method="post" onsubmit="return confirm_update();" >
11    <?php
12      $message = $this->session->flashdata("accreqs_message");
13      if (!empty($message)) {
14        echo "<div class='alert alert-success alert-dismissable'>".
15            "<button type='button' class='close' data-dismiss='alert' aria-hidden='true'>&times;</button>".
16            "$message". "</div>";
17      }
18      $message = $this->session->flashdata("accreqs_message_no_selected");
19      if (!empty($message)) {
20        echo "<div class='alert alert-danger alert-dismissable'>".
21            "<button type='button' class='close' data-dismiss='alert' aria-hidden='true'>&times;</button>".
22            "$message". "</div>";
23      }
24      $acctreq_message_err = $this->session->flashdata("acctreq_message_err");
25      if (!empty($acctreq_message_err)) {
26        echo "<div class='alert alert-danger alert-dismissable'>".
27            "<button type='button' class='close' data-dismiss='alert' aria-hidden='true'>&times;</button>".
28            "$acctreq_message_err"."</div>";
29      }
30    ?>
31    <div class="dataTable_wrapper">
32                      <table class="table table-striped table-bordered table-hover" id="dataTables-example">
33                          <thead>
34                              <tr>
35        <th>Select</th>
36      <th> Date/Time Requested</th>
37        <th> Name </th>
38      <th> UPM ID </th>
39      <th> College </th>
40      <th> Email Address </th>
41  </tr>
42                          </thead>
43                          <tbody>
44        <?php
45        foreach($acctreqs as $acctreq) {
46          $usertype = "Organization";
47
```

138

```php
48          if($acctreq->isInd == 1) {
49              $usertype = "Individual";
50          }
51          echo "<tr>".
52              "<td>". "<input type='checkbox' name='acctreqs[]' value='".$acctreq->id."'/>" ."</td>".
53              "<td>". $acctreq->dateAcctReq ."</td>";
54              if($acctreq->isInd == 1) {
55                  echo "<td>". $acctreq->fName . " " . $acctreq->mName . " " . $acctreq->lName ."</td>";
56              }
57              else {
58                  echo "<td>". $acctreq->orgName ."</td>";
59              }
60          echo "<td>". $acctreq->upmid ."</td>".
61              "<td>". $acctreq->college ."</td>".
62              "<td>". $acctreq->email ."</td>".
63              "</tr>";
64      }
65      ?>
66
67                  </tbody>
68                  </table>
69
70                  </div>
71      <input type='button' value='Approve' class="btn btn-success" data-toggle="modal" data-target="#smallModal1" />
72      <input type='button' value='Reject' class="btn btn-danger" data-toggle="modal" data-target="#smallModal2" />
73
74      <div class="modal fade" id="smallModal1" tabindex="-1" role="dialog" aria-labelledby="smallModal" aria-hidden="true">
75          <div class="modal-dialog modal-sm">
76          <div class="modal-content">
77          <div class="modal-header">
78          <button type="button"
79          class="close" data-dismiss="modal" aria-hidden="true">&times;</button>
            <h4 class="modal-title" id="myModalLabel">Confimation</h4>
80          </div>
81          <div class="modal-body">
82          <b>Approve request/s? </h4>
83          </div>
84          <div class="modal-footer">
85          <button type="button" class="btn btn-default" data-dismiss="modal">Cancel</button>
86          <input type="submit" name='submit' value='Approve' class="btn btn-primary" />
87          </div>
88      </div>
89      </div>
90
91      <div class="modal fade" id="smallModal2" tabindex="-1" role="dialog" aria-labelledby="smallModal" aria-hidden="true">
92          <div class="modal-dialog modal-sm">
93          <div class="modal-content">
94          <div class="modal-header">
95          <button type="button" class="close" data-dismiss="modal" aria-hidden="true">&times;</button>
96          <h4 class="modal-title" id="myModalLabel">Confimation</h4>
97          </div>
98          <div class="modal-body">
99          <b>Reject request/s? </h4>
100         </div>
101         <div class="modal-footer">
102         <button type="button" class="btn btn-default" data-dismiss="modal">Cancel</button>
103
104         <input type="submit" name='submit' value='Reject' class="btn btn-primary" />
105         </div>
106     </div>
107     </div>
```

```
108        </div>
109
110        </form>
111                    </div>
112                </div>
113            </div>
114        </div>
115 </div>
116 </div>
117 </body>
118
119 </html>
```

Listing 41: add_product_category.php

```
1 <div id="page-wrapper">
2     <div class="row">
3         <div class="col-lg-12">
4             <div class="panel
      panel-default">
5                 <div class="panel
      -body">
6                     <h3>Add
      product category</h3>
7     <form action="<?php echo
      site_url('product_category/add
      '); ?>" method="post">
8     <?php if (!empty(
      $prodcat_message)) {
9         echo "<div class='alert
      alert-danger alert-dismissable
      '>".
10         "<button type='button'
      class='close' data-dismiss='
      alert' aria-hidden='true'>&
      times;</button>".
11         "$prodcat_message". "</
      div>";
12     }
13     ?>
14                 <div class="
      table-responsive">
15                     <table
      class="table table-bordered
      table-striped">
16                         <
      tbody>
17     <tr>
18
      <th>Product Category Name
      :</th>
19
      <td><input class="form-
      control" type="text" name="
      name" value=""/></td>
20
      </tr>
21                         </
      tbody>
```

```
22                    </table>
23                </div>
24    <input type="submit" class="
      btn btn-default" value="Add"
      />
25    </form>
26                    </div>
27                </div>
28            </div>
29        </div>
30 </div>
31
32 </div>
33
34 </body>
35
36 </html>
```

Listing 42: admin.php

```
1 <div id="page-wrapper">
2    <div class="row">
3        <div class="col-lg-12">
4            <h1 class="page-
      header">Notifications</h1>
5        </div>
6    </div>
7    <div class="row">
8        <div class="col-lg-3 col-
      md-6">
9            <div class="panel
      panel-primary">
10                <div class="panel
      -heading">
11                    <div class="
      row">
12                        <div
      class="col-xs-3">
13                            <i
      class="fa fa-tasks fa-5x"></i>
14                        </div>
15                        <div
      class="col-xs-9 text-right">
16                            <div
      class="huge"><?php echo
      $new_acct_reqs; ?></div>
17                            <div>
      New Account Requests!</div>
18                        </div>
19                    </div>
20                </div>
21                <a href="<?php
      echo site_url('administrator/
      acctreq'); ?>">
22                    <div class="
      panel-footer">
23                        <span
      class="pull-left">View</span>
```

```
24                              <span
    class="pull-right"><i class="
    fa fa-arrow-circle-right"></i
    ></span>
25                          <div
    class="clearfix"></div>
26                      </div>
27                  </a>
28              </div>
29          </div>
30          <div class="col-lg-3 col-
    md-6">
31              <div class="panel
    panel-green">
32                  <div class="panel
    -heading">
33                      <div class="
    row">
34                          <div
    class="col-xs-3">
35                              <i
    class="fa fa-tasks fa-5x"></i>
36                          </div>
37                          <div
    class="col-xs-9 text-right">
38                              <div
    class="huge">12</div>
39                              <div>
    New Product Requests!</div>
40                          </div>
41                      </div>
42                  </div>
43                  <a href="#">
44                      <div class="
    panel-footer">
45                          <span
    class="pull-left">View</span>
46                          <span
    class="pull-right"><i class="
    fa fa-arrow-circle-right"></i
    ></span>
47                          <div
    class="clearfix"></div>
48                      </div>
49                  </a>
50              </div>
51          </div>
52
53
54      </div>
55  </div>
56  </div>
57  </body>
58
59  </html>
```

Listing 43: advertise.php

```
1  <div id="page-wrapper">
2   <div class="row">
    <div class="col-lg-12">
3       <div class="panel
    panel-default">
4           <div class="panel
    -body">
5               <h3>Advertise
    a product</h3>
6    <form action="<?php echo
    site_url('product/
    send_advertisement'); ?>"
    method="post" enctype="
    multipart/form-data">
7    <?php if (!empty($adv_mess))
    {
8       echo "<div class='alert
    alert-danger alert-dismissable
    '>".
9       "<button type='button'
    class='close' data-dismiss='
    alert' aria-hidden='true'>&
    times;</button>".
10        "$adv_mess". "</div>";
11      }
12      ?>
13      <div class="toogle">
14      <h3 class="m_3">Reminders
    when advertising:</h3>
15      <p class='m_text'>
16       1. The Product Name field
    is final and cannot be edited.
     <br />
17       2. Should you need to
    upload more than one image of
    your product, you may do so
    using the Other Images field.
    <br />
18       3. Please make sure that
    the product is legitimate and
    not fake. Penalties will be
    given by the System
    Administrator if a product has
     been seen as illegitimate or
    fake.
19      </p>
20      </div>
21                  <div class="
    table-responsive">
22                      <table
    class="table table-bordered
    table-striped">
23                          <
    tbody>
24      <span style = "color: red
    ;">Fields marked * are
    required</span>
25      <tr>
```

```
27          <th>Product Name: <span
       style="color: red;">*</span
       ></th>
28          <td><input class="form-
       control" type="text" name="
       name" value="<?php echo
       set_value('name');?>"/></td>
29
       </tr>
30          <tr>
31
          <th>Price: <span style="
       color: red;">*</span></th>
32          <td><input class="form-
       control" type="text" name="
       price" value="<?php echo
       set_value('price');?>"/></td>
33
       </tr>
34          <tr>
35
          <th>Quantity: <span style=
       "color: red;">*</span></th>
36          <td><input class="form-
       control" type="text" name="qty
       " value="<?php echo set_value
       ('qty');?>"/></td>
37
       </tr>
38                               <
       tr>
39
          <th>Product Category: <span
        style="color: red;">*</span
       ></th>
40
          <td>
41          <select name="category"
       class="form-control">
42              <option value="">
       Select Category</option>
43              <?php
44              foreach($prodcats as
        $prodcat) {
45                echo "<option value
       =".$prodcat->id.set_select('
       category',$prodcat->id).">".
       $prodcat->name."</option>";
46              }
47              ?>
48          </select>
49          </td>
50
       </tr>
51          <tr>
52          <th>Is Tradeable? <span
       style="color: red;">*</span
       ></th>
53          <td>
54          <input type="radio"
       name="isTrad" value="yes" <?
       php echo set_radio('isTrad', '
       yes'); ?>> Yes</input>
55          <input type="radio"
       name="isTrad" value="no" <?php
        echo set_radio('isTrad', 'no
       '); ?>> No</input>
56          </td>
57          </tr>
58          <tr>
59          <th>Description: <span
       style="color: red;">*</span
       ></th>
60          <td>
61          <textarea class="form-
       control" name="description"
       rows="3"><?php echo set_value
       ('description');?></textarea>
62          </td>
63          </tr>
64          <tr>
65          <th>Product Image: <span
        style="color: red;">*</span
       ></th>
66          <td><input type="file"
       name="file1" accept="image/x-
       png, image/gif, image/jpeg,
       image/jpg"></input></td>
67          </tr>
68          <tr>
69          <th>Other Images:</th>
70          <td><input type="file"
       name="other_files[]" accept="
       image/x-png, image/gif, image/
       jpeg, image/jpg" multiple></
       input></td>
71          </tr>
72                               </
       tbody>
73                       </table>
74                   </div>
75          <input type="submit" class="
       btn btn-default" value="
       Advertise product" />
76          </form>
77                   </div>
78              </div>
79          </div>
80      </div>
81 </div>
82
83 </div>
84
```

142

```php
85 </body>
86
87 </html>
```

Listing 44: browse_products.php

```php
 1 <div class="main">
 2     <div class="wrap">
 3         <div class="cont span_2_of_3">
 4             <h2 class="head">Products Advertised</h2>
 5             <?php if(!empty($no_records)) {
 6   echo $no_records;
 7   echo "
 8     </div>
 9     <div class='clear'></div>
10    <br /><br /><br /><br /><br /><br /><br /><br /><br /><br /><br /><br /><br /><br /><br /><br /><br /><br /><br /><br />
11    </div>
12  ";
13  }
14  else {
15 ?>
16             <div class="mens-toolbar">
17                 <div class="pager">
18                     <ul class="dc_pagination dc_paginationA dc_paginationA06">
19                         <li><a href="#" class="previous">Pages</a></li>
20                         <li><?php echo $links; ?></li>
21                     </ul>
22                     <div class="clear"></div>
23                 </div>
24                 <div class="clear"></div>
25             </div>
26             <?php
27  $ctr = 0;
28  foreach($product_advs as $prod_adv) {
29    $hrefurl = "product/view_product/".$prod_adv->id;
30    if($ctr == 0) {
31      echo "<div class='top-box'>";
32    }
33  ?>
34             <div class="col_1_of_3 span_1_of_3">
35                 <a href=<?php echo site_url($hrefurl); ?>>
36                 <div class="inner_content clearfix">
37                     <div class="product_image">
38                         <img src="<?php echo base_url('assets/uploads/'.$prod_adv->image);?>" alt="" />
39                     </div>
40                     <?php
41                     if($prod_adv->isTrad == 1) {
42                         echo "<div class='sale-box1'><span class='on_sale title_shop'>Tradeable</span></div>";
43                     }
44                     ?>
45                     <div class="price">
46                         <div class="cart-left">
47                             <p class="title"><?php echo $prod_adv->name; if($this->session->userdata('userid') == $prod_adv->userid) {echo "<br>(your product)";}?></p>
48                             <div class="price1">
49                                 <span class="actual">P<?php echo $prod_adv->price; ?></span>
50                             </div>
51                         </div>
52                         <div class="cart-right"></div>
53                         <div class="clear"></div>
54                     </div>
55                 </div>
56                 </a>
57             </div>
58             <?php $ctr++;
59  if($ctr == 3) {
60    echo "<div class='clear'></div>";
61    echo "</div>";
62    $ctr = 0;
63  }
64 }
65 if($ctr != 3) {
66    echo "<div class='clear'></div></div>";
67 }
68 ?>
69     </div>
70
71     <div class="rsidebar
```

```
72   span_1_of_left">
     <form action="<?php echo
     site_url('home/
     filtered_products'); ?>"
     method="post">
73           <section class="sky-
     form">
74               <h4>Categories</
     h4>
75               <div class="row
     row1 scroll-pane">
76                   <div class="
     col col-4">
77                       <?php
78       foreach($prodcats as
     $prodcat) {
79         echo "
80         <label class='checkbox'>
81         <input type='checkbox'
     name='prodcat[]' value='".
     $prodcat->id."'"; if(!empty(
     $checked)) { echo 'disabled ';
      if(in_array($prodcat->id,
     $checked)) {echo 'checked';} }
      echo "><i></i>".$prodcat->
     name."
82         </label>
83         ";
84       }
85                       ?>
86                   </div>
87               </div>
88           </section>
89   <section class="sky-form">
90               <h4>Date</h4>
91               <div class="row
     row1 scroll-pane">
92                   <div class="
     col col-4">
93                       From: <
     input type="text" name="
     fromdate" class="inputbox" id
     ="datepicker1" <?php if(!empty
     ($fromdate)) { echo "value='".
     $fromdate."' disabled"; } ?>/>
      <br />
94         To: <input type="text"
     name="todate" class="inputbox"
      id="datepicker2" <?php if(!
     empty($todate)) { echo "value
     ='".$todate."' disabled"; }
     ?>/>
95                   </div>
96               </div>
97           </section>
98   <div class='submit'><input
     type='submit' value='Browse'
     /> </div>
99   </form>
100          </div>
101      </div>
102          <div class="clear"></div>
103  </div>
104  <?php } ?>
```

Listing 45: buyer_reports.php

```
1  <div id="page-wrapper">
2      <div class="row">
3          <div class="col-lg-12">
4
5              <div class="panel
   panel-default">
6                  <div class="panel
   -heading">
7                      Buyer Reports
8                  </div>
9                  <div class="panel
   -body">
10   <div class="
   dataTable_wrapper">
11                      <table
   class="table table-striped
   table-bordered table-hover" id
   ="dataTables-example">
12                          <
   thead>
13                              <
   tr>
14
15     <th> Date of Report </th>
16       <th> Reporter </th>
17       <th> Buyer </th>
18       <th> Description </th>
19       <th> Image </th>
20
21   </tr>
22                              </
   thead>
23                              <
   tbody>
24
25       <?php
26       $ctr = 0;
27       foreach($reports as
   $report) {
28           $hrefreport = '
   administrator/view_report/'.
   $report->id;
29           echo "<tr>".
     "<td>". $report->
   date_report ."</td>".
30           "<td>". $reporters[
   $ctr] ."</td>".
         "<td>". $buyers[$ctr]
   ."</td>".
```

```
31            "<td>". $report->
   description ."</td>".
32            "<td><a href=".
   site_url($hrefreport)."">".
   $report->image ."</a></td>".
33            "</tr>";
34         $ctr++;
35       }
36     ?>
37
38                          </
   tbody>
39                     </table>
40
41                </div>
42              </div>
43            </div>
44
45        </div>
46      </div>
47 </div>
48 </div>
49 </body>
50
51 </html>
```

Listing 46: conversation.php

```
1 <div id="page-wrapper">
2     <div class="row">
3         <div class="col-lg-12">
4             <div class="panel
   panel-default">
5                 <div class="panel
   -heading">
6                     Communication
   Log
7                 </div>
8                 <div class="panel
   -body">
9                     <div class="
   chat-panel panel panel-default
   ">
10                        <div
   class="panel-heading">
11                            <i
   class="fa fa-comments fa-fw
   "></i> Chat with <?php echo
   $other_name; ?>
12                            <div
   class="btn-group pull-right">
13                            </div
   >
14                        </div>
15                        <div
   class="panel-body">
16                            <ul
   class="chat">
17                        <?php
```

```
18         $ctr = 0;
19         $chatred = base_url('
   assets/uploads/'.$file1);
20         $chatblue = base_url('
   assets/uploads/'.$file2);
21         foreach($messages as
   $message) {
22             if($this->session->
   userdata('userid') == $message
   ->sender_id) {
23                 echo
24                 "<li class='right
   clearfix'>
25                 <span class='chat-img
   pull-right'>
26                     <img src='".$chatred
   ."' alt='User Avatar' class='
   img-circle' height=50 width=50
   />
27                 </span>
28                 <div class='chat-body
   clearfix'>
29                 <div class='header'>
30                 <small class=' text
   -muted'>
31                     <i class='fa fa-
   clock-o fa-fw'></i>".$message
   ->date_message."</small>
32                     <strong class='pull
   -right primary-font'>".
   $names_sender[$ctr]."</strong>
33                 </div>
34                 <p>".
35                     $message->content."
36                 </p>
37                 </div>
38                 </li>";
39             }
40             else {
41                 echo
42                 "<li class='left
   clearfix'>
43                 <span class='chat-img
   pull-left'>
44                     <img src='".
   $chatblue."' alt='User Avatar'
   class='img-circle' height=50
   width=50/>
45                 </span>
46                 <div class='chat-body
   clearfix'>
47                 <div class='header'>
48                     <strong class='
   primary-font'>".$names_sender[
   $ctr]."</strong>
49                 <small class='pull-
   right text-muted'>
50                     <i class='fa fa-
```

Left column (continuation of previous listing):

```
                                  clock-o fa-fw'></i>".$message
                                  ->date_message."</small>
51                </div>
52                  <p>".
53                    $message->content."
54                  </p>
55                </div>
56              </li>";
57            }
58            $ctr++;
59          }
60          ?>
61                      </ul>
62                    </div>
63                    <div
       class="panel-footer">
64        <form action="<?php $url="
       message/send_message/".
       $convo_id; echo site_url($url)
       ; ?>" method="post">
65        <input type='hidden' name
       ='other_id' value='<?php echo
       $other_id; ?>'>
66
67        <div class="input-group">
68        <input id="btn-input"
       type="text" name="content"
       class="form-control input-sm"
       placeholder="Type your message
        here..." />
69        <span class="input-group
       -btn">
70        <button class="btn btn-
       warning btn-sm" id="btn-chat"
       type="submit">
71          Send
72        </button>
73        </span>
74        </div>
75        </form>
76                    </div>
77                  </div>
78                </div>
79              </div>
80            </div>
81        </div>
82  </div>
```

Listing 47: edit_advertised.php

```
1  <div id="page-wrapper">
2    <div class="row">
3      <div class="col-lg-12">
4        <div class="panel
       panel-default">
5          <div class="panel
       -body">
6            <h3>Edit
       product advertised</h3>
7    <?php if (!empty(
   $edit_adv_message)) {
     echo "<div class='alert
   alert-danger alert-dismissable
   '>".
8      "<button type='button'
   class='close' data-dismiss='
   alert' aria-hidden='true'>&
   times;</button>".
9      "$edit_adv_message". "</
   div>";
10   }
11   ?>
12   <ul class="breadcrumb
   breadcrumb__t"><a href="#">
   Products Management</a> /<a
   href='<?php echo site_url('
   product/
   view_product_advertised/'.
   $product->id); ?>'> View
   product</a> / Edit product
   advertised</ul>
13   <form action="<?php echo
   site_url('product/
   edit_advertisement'); ?>"
   method="post" enctype="
   multipart/form-data">
14               <div class="
   table-responsive">
15                 <table
   class="table table-bordered
   table-striped">
16                   <
   tbody>
17     <input type="hidden" name
   ="product_id" value="<?php
   echo $product->id; ?>" />
18     <tr>
19     <th>Product Name:</th>
20     <td><input class="form-
   control" type="text" name="
   name" value="<?php if (!empty(
   set_value('name'))) { echo
   set_value('name'); }else {echo
   $product->name;}?>" disabled
   /></td>
21   </tr>
22     <tr>
23     <th>Price:</th>
24     <td><input class="form-
   control" type="text" name="
   price" value="<?php if (!empty(
25 set_value('price'))) { echo
```

146

```
       set_value('price'); }else {
       echo $product->price;}?>"/></
       td>
26     </tr>
27        <tr>
28     <th>Quantity:</th>
29     <td><input class="form-
       control" type="text" name="qty
       " value="<?php if(!empty(
       set_value('qty'))) { echo
       set_value('qty'); }else {echo
       $product->quantity;}?>"/></td>
30     </tr>
31                              <
       tr>
32     <th>Product Category:</th>
33     <td>
34        <select name="category"
       class="form-control">
35           <?php
36           foreach($prodcats as
       $prodcat) {
37             $selected = "";
38             if ($prodcat->name ==
       $prodcatname) { $selected = "
       selected";};
39             echo "<option value
       =".$prodcat->id." ".$selected
       ." >".$prodcat->name."</option
       >";
40           }
41
42           ?>
43           <option value="others
       ">Others</option>
44           </select>
45           </td>
46     </tr>
47        <tr>
48        <th>Is Tradeable?</th>
49        <td>
50           <input type="radio"
       name="isTrad" value="yes" <?
       php echo set_radio('isTrad', '
       yes'); if($product->isTrad==1)
       {echo "checked";}?> > Yes</
       input>
51           <input type="radio"
       name="isTrad" value="no" <?php
       echo set_radio('isTrad', 'no
       '); if($product->isTrad==0) {
       echo "checked";}?>> No</input>
52        </td>
53        </tr>
54
55        <tr>
56        <th>Description</th>
57        <td>
58        <textarea class="form-
       control" name="description"
       rows="3"><?php echo $product->
       description; ?><?php echo
       set_value('description');?></
       textarea>
59        </td>
60        </tr>
61        <tr>
62        <th>Product Image</th>
63        <td><input type="file"
       name="file1" accept="image/x-
       png, image/gif, image/jpeg,
       image/jpg"></input></td>
64        </tr>
65        <tr>
66        <th>Other images</th>
67        <td><input type="file"
       name="other_files[]" multiple
       accept="image/x-png, image/gif
       , image/jpeg, image/jpg"></
       input></td>
68        </tr>
69                              </
       tbody>
70                              </table>
71                         </div>
72       <input type="submit" class="
       btn btn-default" value="Edit
       product" />
73       </form>
74                  </div>
75               </div>
76            </div>
77 </div>
78
79 </div>
80
81 </body>
82
83 </html>
```

Listing 48: edit_product_category.php

```
1 <div id="page-wrapper">
2     <div class="row">
3         <div class="col-lg-12">
4             <div class="panel
      panel-default">
5                 <div class="panel
      -body">
```

```
6                      <h3>Rename
    product category</h3>
7      <form action="<?php echo
    site_url('product_category/
    edit_proper'); ?>" method="
    post">
8        <input type="hidden" name="
    prodcatid" value="<?php echo
    $prodcat->id; ?>" />
9                      <div class="
    table-responsive">
10                      <table
    class="table table-bordered
    table-striped">
11                          <
    tbody>
12       <tr>
13
        <th>Product Category Name
    :</th>
14
        <td><input class="form-
    control" type="text" name="
    name" value="<?php echo
    $prodcat->name; ?>"/></td>
15
    </tr>
16                          </
    tbody>
17                      </table>
18                  </div>
19      <input type="submit" class="
    btn btn-default" value="Submit
    " />
20      </form>
21                  </div>
22              </div>
23          </div>
24      </div>
25 </div>
26
27 </div>
28
29 </body>
30
31 </html>
```

Listing 49: edit_profile.php

```
1 <div id="page-wrapper">
2     <div class="row">
3         <div class="col-lg-12">
4             <h1 class="page-
    header"><?php echo $user->name
     ?></h1>
5         </div>
6     </div>
7     <div class="row">
8         <div class="col-lg-12">
9         <div class="panel
    panel-default">
10            <div class="panel
    -body">
11                <h3>Edit
    Profile</h3>
12     <?php if (!empty(
    $edit_profile_mess)) {
13     echo "<div class='alert
    alert-danger alert-dismissable
    '>".
14     "<button type='button'
    class='close' data-dismiss='
    alert' aria-hidden='true'>&
    times;</button>".
15     "$edit_profile_mess". "</
    div>";
16     }
17     ?>
18     <form action="<?php echo
    site_url('user/
    edit_profile_info/'.$user->id)
    ; ?>" method="post" enctype="
    multipart/form-data">
19                <div class="
    table-responsive">
20                <table
    class="table table-bordered
    table-striped">
21                          <
    tbody>
22     <tr>
23     <th>Name:</th>
24     <td><input class="form-
    control" type="text" name="
    name" value="<?php if (!empty(
    set_value('name'))) { echo
    set_value('name'); }else {echo
     $user->name;}?>"/></td>
25     </tr>
26                          <
    tr>
27     <th>Username:</th>
28     <td><input class="form-
    control" type="text" name="
    username" value="<?php if (!
    empty(set_value('username')))
    { echo set_value('username');
    }else {echo $user->username
    ;}?>"/></td>
29     </tr>
30     <tr>
```

```
31          <th>Password:</th>
32          <td>
33              <input type="checkbox"
        name="changepass"  onclick="
        javascript:checkPassChange();"
         id="changePass" <?php if(
        set_value("changepass")) echo
        "checked"; ?>/> Click to
        change
34              <div id="showChangePass
        " style="
35                  <?php if (set_value("
        changepass")) {
36                      echo "display: block
        ;";
37                  } else {
38                      echo "display: none
        ;";
39                  }
40                  ?>
41              ">
42                  <input class="form-
        control" type="password" name
        ="oldpassword" maxlength="20"
        placeholder="Old Password"/>
43                  <input class="form-
        control" type="password" name
        ="newpassword1" maxlength="20"
         placeholder="New Password"/>
44                  <input class="form-
        control" type="password" name
        ="newpassword2" maxlength="20"
         placeholder="Re-enter New
        Password"/>
45              </div>
46          </td>
47
        </tr>
48                                      <
        tr>
49          <th>UPM ID:</th>
50          <td><input class="form-
        control" type="text" name="
        upmid" value="<?php if (!empty(
        set_value('upmid'))) { echo
        set_value('upmid'); }else {
        echo $user->upmid;}?>"/></td>
51          </tr>
52                                      <
        tr>
53          <th>College:</th>
54
```

```
          <td>
55              <select name="college"
        class="form-control">
56                  <option value="cas" <?
        php if ($user->college=='cas')
         {echo "selected";} ?> >
        College of Arts and Sciences</
        option>
57                  <option value="camp"
        <?php if ($user->college=='
        camp') {echo "selected";} ?>>
        College of Allied Medical
        Professions</option>
58                  <option value="cd" <?
        php if ($user->college=='cd')
        {echo "selected";} ?>>College
        of Dentistry</option>
59                  <option value="cm" <?
        php if ($user->college=='cm')
        {echo "selected";} ?>>College
        of Medicine</option>
60                  <option value="cn" <?
        php if ($user->college=='cn')
        {echo "selected";} ?>>College
        of Nursing</option>
61                  <option value="cp" <?
        php if ($user->college=='cp')
        {echo "selected";} ?>>College
        of Pharmacy</option>
62                  <option value="cph" <?
        php if ($user->college=='cph')
         {echo "selected";} ?>>College
         of Public Health</option>
63              </select>
64          </td>
65      </tr>
66                                      <
        tr>
67          <th>Email Address:</th>
68          <td><input class="form-
        control" type="text" name="
        email" value="<?php if (!empty(
        set_value('email'))) { echo
        set_value('email'); }else {
        echo $user->email;}?>"/></td>
69      </tr>
70                                      <
        tr>
71          <th>Contact Number:</th>
72          <td><input class="form-
        control" type="text" name="
        contactNum" value="<?php if (!
```

149

```
          empty ( set_value ( 'contactNum ' ) )
          ) { echo set_value ( 'contactNum
          ' ); } else {echo $user->
          contactNum;}?>"/></td>
73
          </tr>
74            <tr>
75             <th>Upload new profile
          picture </th>
76              <td><input type="file"
          name="newdp"></input></td>
77             </tr>
78                                  </
          tbody>
79                            </table>
80                        </div>
81        <input type="submit" class="
          btn btn-default" value="Save
          changes" />
82        </form>
83                    </div>
84               </div>
85            </div>
86        </div>
87 </div>
88
89 </div>
90
91 </body>
92
93 </html>
```

Listing 50: email.php

```
 1
 2 <!DOCTYPE html>
 3 <head>
 4 </head>
 5 <body>
 6 This is a sample HTML FILE. Email
        sent.
 7 </body>
 8
 9 </html>
```

Listing 51: email_credentials.php

```
1 <!DOCTYPE html>
2 <head>
3 </head>
4 <body>
5 Dear <b>{name}:</b> <br/><br/>
6 Your account request has been
       approved. Please use the
       following username and
       password as your log in
       credentials: <br />
7 <b>Username: </b> {username} <br
       />
```

```
 8 <b>Password: </b>{password} <br
        />
 9 <br />
10 Regards, <br />
11 System Administrator <br />
12 Localized E-Commerce Application
        for UP Manila (LEAf-UPM)
13 </body>
14
15 </html>
```

Listing 52: email_deleted_request.php

```
 1 <!DOCTYPE html>
 2 <head>
 3 </head>
 4 <body>
 5 Dear <b>{name}:</b> <br/><br/>
 6 This is to inform you that the
        product you requested has been
         deleted from the LEAf-UPM
        database. Most probably, it is
         because: <br>
 7 - The product has been in the
        database for a long time
        without any sellers who could
        provide it. <br />
 8 - We found out that the product
        request is impossible to be
        provided by any of the sellers
        . <br />
 9 - The product is already being
        advertised. <br /> <br />
10  You may still request for a
        product. Thank you! <br />
11 <br />
12 Regards, <br />
13 System Administrator <br />
14 Localized E-Commerce Application
       for UP Manila (LEAf-UPM)
15 </body>
16
17 </html>
```

Listing 53: email_rejected_account.php

```
1 <!DOCTYPE html>
2 <head>
3 </head>
4 <body>
5 Dear <b>{name}:</b> <br/><br/>
6 Your account request has been
       rejected. Most probably, it is
        because: <br>
7 - You are not a member of the UP
       Manila community. <br />
8 - There is inconsistency in the
       information you have provided
       when registering <br />
```

```
9 - You have been marked as a not
    credible user of the system <
    br /> <br />
10  Please contact the System
    Administrator if you want to
    have an approved account.
    Thank you! <br />
11 <br />
12 Regards, <br />
13 System Administrator <br />
14 Localized E-Commerce Application
    for UP Manila (LEAf-UPM)
15 </body>
16
17 </html>
```

Listing 54: feedback.php

```
1 <div id="page-wrapper">
2    <div class="row">
3       <div class="col-lg-12">
4
5          <div class="panel
   panel-default">
6             <div class="panel
   -heading">
7                Feedbacks
8             </div>
9             <div class="panel
   -body">
10   <div class="
   dataTable_wrapper">
11                  <table
   class="table table-striped
   table-bordered table-hover" id
   ="dataTables-example">
12                     <
   thead>
13                        <
   tr>
14           <th> Date/Time </th>
15             <th> Email Address </th>
16             <th> Content </th>
17
   </tr>
18                     </
   thead>
19                     <
   tbody>
20
21          <?php
22             foreach($feedbacks as
   $feedback) {
23
24                echo "<tr>".
25                   "<td>". $feedback->
   date_feedback ."</td>".
26                   "<td>". $feedback->
   email ."</td>".
27                   "<td>". $feedback->
   content ."</td>".
28                   "</tr>";
29             }
30          ?>
31
32                     </
   tbody>
33                  </table>
34               </div>
35            </div>
36          </div>
37       </div>
38    </div>
39 </div>
40 </div>
41 </div>
42 </body>
43
44 </html>
```

Listing 55: home.php

```
1 <div id="fwslider">
2    <div class="slider_container
   ">
3  <div class="slide">
4       <img src="<?php echo
   base_url('assets/images/
   upmcampus.jpg');?>" alt="" />
5          <div class="
   slide_content">
6             <div class="
   slide_content_wrap">
7                <h4 class="
   title">LOCALIZED E-COMMERCE
   APPLICATION FOR UNIVERSITY OF
   THE PHILIPPINES MANILA</h4>
8             </div>
9          </div>
10      </div>
11      <div class="slide">
12         <img src="<?php echo
   base_url('assets/images/
   upbanner1.jpg');?>" alt="" />
13            <div class="
   slide_content">
14               <div class="
   slide_content_wrap">
15                  <h4 class="
   title">Buy Products</h4>
16                  <p class="
   description">Buy shirts, bags,
    etc. easily</p>
17               </div>
18            </div>
19         </div>
```

```
20            <div class="slide">
21                <img src="<?php echo
   base_url('assets/images/banner
   .jpg');?>" alt="" />
22                <div class="
   slide_content">
23                    <div class="
   slide_content_wrap">
24                        <h4 class="
   title">Sell Products</h4>
25                        <p class="
   description">Sell your
   products easily</p>
26                    </div>
27                </div>
28            </div>
29        </div>
30        <div class="timers"></div>
31        <div class="slidePrev"><span
   ></span></div>
32        <div class="slideNext"><span
   ></span></div>
33 </div>
34
35 <div class="main">
36     <div class="wrap">
37         <div class="cont
   span_2_of_3">
38             <h2 class="head">New
   Products</h2>
39 <?php if (!empty($norecords)) {
40    echo $norecords;
41 }
42 ?>
43
44                    <?php
45      $ctr = 0;
46      foreach($new_products as
   $prod_adv) {
47        //$ctr++;
48        $hrefurl = "product/
   view_product/".$prod_adv->id;
49        if($ctr == 0) {
50          echo "<div class='top-box
   '>";
51        }
52      ?>
53                        <div class="
   col_1_of_3 span_1_of_3">
54                            <a href
   =<?php echo site_url($hrefurl)
   ; ?>>
55          <div class="inner_content
   clearfix">
56          <div class="product_image
   ">
57             <img src="<?php echo
   base_url('assets/uploads/'.
      $prod_adv->image);?>" alt=""
   />
58      </div>
59      <div class="sale-box"><
   span class="on_sale title_shop
   ">New</span></div>
60      <div class="price">
61       <div class="cart-left">
62        <p class="title"><?php
   echo $prod_adv->name; if($this
   ->session->userdata('userid')
   == $prod_adv->userid) {echo "<
   br>(your product)";}?></p>
63         <div class="price1">
64          <span class="actual">
   P<?php echo $prod_adv->price;
   ?></span>
65         </div>
66        </div>
67        <div class="cart-right">
     </div>
68        <div class="clear"></div
   >
69       </div>
70      </div>
71     </a>
72                </div>
73                <?php $ctr++;
74    if($ctr == 3) {
75    echo "<div class='clear'></
   div>";
76    echo "</div>";
77    $ctr = 0;
78   }
79 }
80 if($ctr != 3) {
81    echo "<div class='clear'></
   div></div>";
82 }
83 ?>
84      </div>
85
86     <div class="rsidebar
   span_1_of_left">
87         <div class="top-
   border"> </div>
88         <div class="
   border">
89         <link href
   ="<?php echo base_url('assets/
   css/default.css');?>" rel="
   stylesheet" type="text/css"
   media="all" />
90         <link href
   ="<?php echo base_url('assets/
   css/nivo-slider.css');?>" rel
   ="stylesheet" type="text/css"
   media="all" />
```

```
91            <script src
    ="<?php echo base_url('assets/
    js/jquery.nivo.slider.js')
    ;?>"></script>
92            <script type
    ="text/javascript">
93                    $(window)
    .load(function() {
94                        $('#
    slider').nivoSlider();
95                    });
96            </script>
97            <div class="
    slider-wrapper theme-default">
98                <div id="
    slider" class="nivoSlider">
99                    <img
    src="<?php echo base_url('
    assets/images/up1.jpg');?>"
    alt="" />
100                    <img
    src="<?php echo base_url('
    assets/images/up2.jpg');?>"
    alt="" />
101                    <img
    src="<?php echo base_url('
    assets/images/up3.jpg');?>"
    alt="" />
102                </div>
103            </div>
104            <div class="
    btn"><a href="<?php echo
    site_url('home/browse_products
    '); ?>">Check it Out</a></div>
105            </div>
106            <div class="top-
    border"> </div>
107            <div class="
    sidebar-bottom">
108                <h2 class="
    m_1">Feedback</h2>
109                <p class="
    m_text">Write your comments,
    suggestions, below:</p>
110      <?php
111      $error_mess = $this->
    session->flashdata("error_mess
    ");
112      if(!empty($error_mess)) {
113      echo '<span style = "color
    : red;">'.$error_mess.'</span
    >';
114      }
115      $success_mess = $this->
    session->flashdata("
    success_mess");
116      if(!empty($success_mess)) {
117      echo '<span style = "color
```

```
    : green;">'.$success_mess.'</
    span>';
    }
    ?>
            <div class="
    subscribe">
                <form
    action="<?php echo site_url('
    feedback/send_feedback'); ?>"
    method="post">
                    <div
    class="text">
        <textarea name="feedback"
    placeholder="Feedback"></
    textarea>
        </div>
        <input type="text" name="
    email" placeholder="Email
    Address" value="<?php echo
    set_value('email'); ?>" />
        <input type="submit" value
    ="Submit">
                </form>
            </div>
        </div>
    </div>
</div>
    <div class="clear"></div>
```

Listing 56: home_viewproduct.php

```
1 <div class="main">
2    <div class="wrap">
3        <ul class="breadcrumb
    breadcrumb__t"><a class="home"
    href="#">Home</a> / <a href
    ="#">Products advertised</a> /
    View product</ul>
4        <div class="cont
    span_2_of_3">
5 <div class="grid images_3_of_2
    ">
6            <ul id="etalage">
7                <li>
8                    <a href="">
9                        <?php
10    $file = 'assets/uploads/'.
    $product_info->image;
    ?>
11                        <img
    class="etalage_thumb_image"
    src="<?php echo base_url($file
    );?>" class="img-responsive"
    />
12                        <img
    class="etalage_source_image"
    src="<?php echo base_url($file
    );?>" class="img-responsive"
    title="" />
13
```

```
14                    </a>
15                  </li>
16                                              47
17     <?php
18       if ( sizeof ( $other_images ) >
0 ) {                                       48
19         foreach ( $other_images as
$other_image ) {                            49
20           $file = 'assets/uploads/'.
$other_image ->name;                        50
21           echo "                           51
22           <li>
23             <img class='
etalage_thumb_image' src='"'.            52
base_url ( $file )."' class='img-
responsive' />                               53
24             <img class='                   54
etalage_source_image' src='"'.           55
base_url ( $file )."' class='img-       56
responsive' title='' />
25           </li>
26           ";                               57
27         }
28       }
29     ?>
30                    </ul>                    58
31                    <div class="clearfix    59
"></div>                                     60
32             </div>
33             <div class="desc1              61
span_3_of_2">                                62
34             <h3 class="m_3"><?php
echo $product_info ->name;
?></h3>
35                <p class="m_5">             63
36                    P<?php echo
$product_info ->price; ?>
37                    </p>
38
39     <div class="btn_form">
40     <p class="m_4">Available
Stock:<?php echo $product_info64
->quantity; ?></p>                          65
41     <?php
42     if ( $is_traded == 1 ) {              66
43       echo "<p class='m_text2'>You67
currently have a trade               68
request with this product.            69
Wait for the seller's decision70
regarding your request.</p>";71
44     }                                      72
45     ?>                                     73
46     <?php if ( ( $this ->session ->    74
userdata ('userid')) && $this ->
session ->userdata ('userid')!= 75
$product_info ->userid && (
$product_info ->quantity > 0 )
&& ( $this ->session ->userdata ('76
```

```
usertype') != 'admin') &&
$is_traded == 0 ) { ?>
47   <form action="<?php echo
site_url ('product_transaction/
buy'); ?>" method="post">
48     <select name="quantity"
class="frm-field required">
49       <option value='0'>Select
Quantity</option>
50       <?php
51       for ( $i = 1; $i <=
$product_info ->quantity; $i++)
{
52           echo "<option value='".
$i."' >".$i."</option>";
53       }
54       ?>
55     </select>
56     <input type="hidden" name="
prodid" value="<?php echo
$product_info ->id; ?>">
57     <input type="submit" value
="buy" onclick="return confirm
('Do you really want to buy
this product?');">
58   </form>
59   <?php
60     if ( $product_info ->isTrad ==
1 ) { ?>
61     <br />
62     <form action="<?php echo
site_url ('trade/send_trade');
?>" method="post" enctype="
multipart/form-data">
63     <input type="checkbox" name
="trade" value="1" onclick="
javascript:checkTrad();" id="
reqTrad" <?php if ( $this ->input
->post ('trade')) {echo "
checked";} ?>/> Request for
trade
64     <div id="showTrad" style="
65     <?php if ( $this ->input ->post
('trade')) {
66       echo "display: block;";
67     } else {
68       echo "display: none;";
69     }
70     ?>
71     ">
72     <br/>
73     <?php
74       if (!empty ( $trade_err ))
{
75         echo '<span style = "
color: red;">'.$trade_err.'</
span>';
76       }
```

154

```
77          ?>
78          <input type="hidden" name
    ="prodid" value='<?php echo
    $product_info->id; ?>'>
79          <p class="code">Product
    Name:</p><input type="text"
    name="tradname" value="<?php
    echo set_value('tradname');
    ?>" />
80          <p class="code">Product
    Category:</p>
81          <select name="prodcat"
    class="frm−field required">
82          <option value=''>Select
    Product Category</option>
83          <?php
84          foreach($prodcats as
    $prodcat) {
85          echo "<option value
    ='".$prodcat->id."'>".$prodcat
    −>name."</option>";
86          }
87          ?>
88          </select>
89          <p class="code">Product
    Image:</p><input type="file"
    value="Upload" name="
    tradreq_file" />
90          <p class="code">Product
    Description:</p>
91          <div class="text">
92          <textarea name="
    description" placeholder="
    Describe your product"></
    textarea>
93          </div>
94          <div class='submit'>
95          <input type='submit'
    value='Request trade'>
96          </div>
97          </form>
98          </div>
99          <?php } ?>
100         <?php } ?>
101         <?php if (!$this->session->
    userdata('userid')) { ?>
102         <span class="m_link"><a href
    ="<?php echo site_url('home/
    login'); ?>">Login to buy this
    product</a> </span>
103         <?php } ?>
104     </div>
105     <?php
106     if (!empty($this->session->
    flashdata('no_quantity'))) {
107     echo "<span style = 'color:
    red;'>". $this->session->
    flashdata('no_quantity'). "</

108     span>";
109     }
110     ?>
111     <p class="m_text2">
112     Advertised since: <?php echo
    $product_info->dateAdv; ?> <br
    />
        Description:<?php
    echo $product_info->
    description; ?>
        </p>
    <p class="m_text2">
    <?php if($this->session->
    userdata('userid')) { $url = "
    user/view_user/".$product_info
    −>userid;?>
        Seller: <a href
    ="<?php echo site_url($url);
    ?>"><?php echo $seller->name;
    ?></a>
    <?php } ?>
    <?php if(!$this->session->
    userdata('userid')) { ?>
    Seller: <?php echo $seller->
    name; ?>
    <?php } ?>
    <br />Contact Number: <?php
    echo $seller->contactNum; ?> <
    br />
    Email Address: <?php echo
    $seller->email; ?>
        </p>
113     </div>
114     <div class="clear"></div>
115     <div class="clients">
116         <h3 class="m_3"><?php
    echo sizeof($same_prodcats)
    −1;?> other Products in the
    same category </h3>
117
        <ul id="flexiselDemo3
    ">
118     <?php
        foreach($same_prodcats as
    $same_prodcat) {
        $same_prodcat_name =
    $same_prodcat->name;
        if(strlen(
    $same_prodcat_name) > 12) {
        $same_prodcat_name =
    substr($same_prodcat_name
    ,0,12).'...';
        }
        if($product_info->id !=
    $same_prodcat->id) {
        $hrefurl = "product/
    view_product/".$same_prodcat->
    id;
```

```
138        echo "<li><img src='".
       base_url('assets/uploads/'.
       $same_prodcat->image)."'/>".
139          "<a href='".site_url(
       $hrefurl)."'>".
       $same_prodcat_name."</a>".
140          "<p>P".$same_prodcat->
       price."</p>".
141          "</li>";
142      }
143    }
144    ?>
145
146          </ul>
147          <script type="text/
       javascript">
148              $(window).load(
       function() {
149                  $("#
       flexiselDemo1").flexisel();
150                  $("#
       flexiselDemo2").flexisel({
151
       enableResponsiveBreakpoints:
       true,
152
       responsiveBreakpoints: {
153        portrait: {
154        changePoint: 480,
155        visibleItems: 1
156                      },
157
158        landscape: {
159        changePoint: 640,
160        visibleItems: 2
161                      },
162        tablet: {
163        changePoint: 768,
164        visibleItems: 3
165                      }
166                  }
167              });
168                  $("#
       flexiselDemo3").flexisel({
169        visibleItems: 5,
170        animationSpeed: 1000,
171                      autoPlay:
```

```
172        false,
173        autoPlaySpeed: 3000,
174        pauseOnHover: true,
175        enableResponsiveBreakpoints:
       true,
176        responsiveBreakpoints: {
177        portrait: {
178        changePoint: 480,
179        visibleItems: 1
180                      },
181        landscape: {
182        changePoint: 640,
183        visibleItems: 2
184                      },
185        tablet: {
186        changePoint: 768,
187        visibleItems: 3
188                      }
189                  }
190              });
191              });
192          </script>
193
194          <script src="<?php
       echo base_url('assets/js/
       jquery.flexisel.js');?>"></
       script>
195      </div>
196      <div class="toogle">
197  <h3 class="m_3">Reminders when
       buying or trading:</h3>
198  <p class='m_text'>
199   1. Pay the price to the
       seller as soon as possible to
       avoid cancellation of the
       product transaction. <br />
        2. If the product transaction
       has been cancelled, you can
       still buy the product. However
       , make sure you were able to
       agree to the seller's terms on
        buying the product. <br />
200   3. You cannot trade for a
201  product twice. Wait for the
```

```
         status of the previous trade
         you requested for the product
         if it has been approved or
         rejected by the seller. <br />
202      4. Buying the product from
         this system does not guarantee
         a 100% assurance that you
         will get the product for it
         depends on the seller's
         credibility. You might want to
         check his/her profile first
         before buying. In addition,
         you may message the System
         Administrator if you want to
         report a seller regarding his/
         her credibility.
203      </p>
204      </div>
205      </div>
206      <div class="rsingle
         span_1_of_single">
207      <form action="<?php echo
         site_url('home/
         filtered_products'); ?>"
         method="post">
208                  <section class="sky-
         form">
209                     <h4>Categories</
         h4>
210                     <div class="row
         row1 scroll-pane">
211                         <div class="
         col col-4">
212                            <?php
213          foreach($prodcats as
         $prodcat) {
214             echo "
215             <label class='checkbox'>
216             <input type='checkbox'
         name='prodcat[]' value='".
         $prodcat->id."'"; if(!empty(
         $checked)) { echo 'disabled ';
          if(in_array($prodcat->id,
         $checked)) {echo 'checked';} }
          echo "><i></i>".$prodcat->
         name."
217             </label>
218             ";
219          }
220                            ?>
221                         </div>
222                     </div>
223                  </section>
224      <section class="sky-form">
225                     <h4>Date</h4>
226                     <div class="row
         row1 scroll-pane">
227                        <div class="
         col col-4">
228                            From: <
         input type="text" name="
         fromdate" class="inputbox" id
         ="datepicker1" <?php if(!empty
         ($fromdate)) { echo "value='".
         $fromdate."' disabled"; } ?>/>
          <br />
229             To: <input type="text"
         name="todate" class="inputbox"
          id="datepicker2"  <?php if(!
         empty($todate)) { echo "value
         ='".$todate."' disabled"; }
         ?>/>
230                        </div>
231                     </div>
232                  </section>
233
234      <div class='submit'><input
         type='submit' value='Browse'
         /> </div>
235      </form>
236      </div>
237         <div class="clear"></div>
238
239      </div>
240      <div class="clear"></div>
241
242 </div>
243 </div>
```

        Listing 57: login.php

```
1 <div class="login">
2     <div class="wrap">
3         <div class="
     col_1_of_login span_1_of_login
     ">
4             <h4 class="title">New
     Users</h4>
5             <p align="justify">In
     order to buy and/or sell
     products, you need to log on
     the system. If you do not have
      an account yet, you may
     register by clicking the
     button below.</p>
6             <div class="button1">
7                 <a href="<?php
     echo site_url('home/register')
     ; ?>">
8                     <input type="
     submit" name="Submit" value="
     Register">
9                 </a>
10            </div>
11            <div class="clear"></
     div>
12        </div>
```

```
13              <div class="
       col_1_of_login span_1_of_login
       ">
14                <div class="login-
       title">
15                  <h4 class="title
       ">Registered Users</h4>
16                  <div id="loginbox
       " class="loginbox">
17                    <form action
       ="<?php echo site_url('login')
       ; ?>" method="post" name="
       login" id="login-form">
18                      <?php
19     if (!empty($login_error)) {
20       echo '<span style = "color
       : red;">'.$login_error.'</span
       >';
21       }
22       if (form_error('username'))
        {
23         echo '<span style = "color
       : red;">Please input username
       </span>'."<br>";
24       }
25       if (form_error('password'))
        {
26         echo '<span style = "color
       : red;">Please input password
       </span>';
27       }
28       ?>
29       <fieldset class="input">
30                        <p id
       ="login-form-username">
31                          <
       label for="modlgn_username">
       Username</label>
32                          <
       input id="modlgn_username"
       type="text" name="username"
       class="inputbox" size="18"
       autocomplete="off">
33                        </p>
34                        <p id
       ="login-form-password">
35                          <
       label for="modlgn_passwd">
       Password</label>
36                          <
       input id="modlgn_passwd" type
       ="password" name="password"
       class="inputbox" size="18"
       autocomplete="off">
37                        </p>
38
39                        <div
       class="remember">
```

```
40                          <
       input type="submit" name="
       Submit" class="button" value="
       Login">
41                          <
       div class="clear"></div>
42                        </div
       >
43
44                      </
       fieldset>
45                    </form>
46                  </div>
47                </div>
48              </div>
49              <div class="clear"></div>
50          </div>
51  </div>
52  <br /> <br /> <br /> <br /> <br
       />
```

Listing 58: product_advertised.php

```
1  <div id="page-wrapper">
2      <div class="row">
3          <div class="col-lg-12">
4              <div class="panel
       panel-default">
5                  <div class="panel
       -heading">
6                      Products
       Advertised <a href="<?php echo
        site_url('product/
       view_advertised'); ?>">Grid
       view</a>
7                  </div>
8                  <div class="panel
       -body">
9      <?php
10     if (!empty($deact_message))
       {
11       echo "<div class='alert
       alert-success alert-
       dismissable'>".
12       "<button type='button'
       class='close' data-dismiss='
       alert' aria-hidden='true'>&
       times;</button>".
13       "$deact_message". "</div
       >";
14       }
15     ?>
16     <div class="
       dataTable_wrapper">
17                      <table class
       ="table table-striped table-
       bordered table-hover" id="
       dataTables-example">
```

```
18          <thead>
19          <tr>
20              <th> Name </th>
21          <th> Date/Time Advertised </th>
22              <th> Category </th>
23          <th> Price </th>
24          <th> Is Tradeable </th>
25              <th> Is Active </th>
26          </tr>
27                      </thead>
28                  <tbody>
29
30          <?php
31              $ctr = 0;
32              foreach($product_advs as $product_adv) {
33                  $isTrad = "No";
34                  $hrefurl = "product/view_product_advertised/".$product_adv->id;
35                  if($product_adv->isTrad == 1) {
36                      $isTrad = "Yes";
37                  }
38              echo "<tr>".
39                  "<td><a href='".site_url($hrefurl)."'>".$product_adv->name ."</a></td>".
40                  "<td>". $product_adv->dateAdv ."</td>".
41                  "<td>".$prodcats_name[$ctr] ."</td>".
42                  "<td>P". $product_adv->price ."</td>".
43                  "<td>". $isTrad ."</td>".
44                  "<td>". $product_adv->isActive ."</td>".
45                  "</tr>";
46                  $ctr++;
47              }
48          ?>
49
50                      </tbody>
51                  </table>
52
53                  </div>
54                  </div>
55              </div>
56              </div>
57          </div>
58      </div>
59 </div>
60 </div>
61 </body>
62
63 </html>
```

Listing 59: product_bought.php

```
1 <div id="page-wrapper">
2   <div class="row">
3       <div class="col-lg-12">
4
5           <div class="panel panel-default">
6               <div class="panel-heading">
7                   Products Bought <a href="<?php echo site_url('product_transaction/view_bought'); ?>">Grid view</a>
8               </div>
9               <div class="panel-body">
10   <?php
11     if (!empty($deact_message)) {
12     echo "<div class='alert alert-success alert-dismissable'>".
13       "<button type='button' class='close' data-dismiss='alert' aria-hidden='true'>&times;</button>".
14       "$deact_message". "</div>";
15     }
16   ?>
17   <div class="dataTable_wrapper">
18                   <table class="table table-striped table-bordered table-hover" id="dataTables-example">
19                       <thead>
20                           <tr>
21          <th> Name </th>
22          <th> Date/Time Bought</th>
23          <th> Category </th>
24          <th> Price (each)</th>
```

```
25          <th> Quantity </th>
26
        <th> Seller </th>
27          <th> Status </th>
28
    </tr>
29                              </
    thead>
30                          <
    tbody>
31
32          <?php
33          $ctr = 0;
34          foreach($products_bought
    as $product_bought) {
35              $hrefurl = "
    product_transaction/
    view_transaction/".
    $product_bought->id;
36          echo "<tr>".
37              "<td><a href='".
    site_url($hrefurl)."'>".
    $product_names[$ctr]."</a></
    td>".
38              "<td>".
    $product_bought->
    dateTransaction."</td>".
39              "<td>".
    $prodcats_name[$ctr]."</td>".
40              "<td>".
    $product_prices[$ctr]."</td
    >".
41              "<td>".
    $product_bought->quantity."</
    td>".
42              "<td>".
    $product_sellers[$ctr]."</td
    >".
43              "<td>".
    $product_bought->status."</td
    >".
44              "</tr>";
45          $ctr++;
46          }
47          ?>
48
49                              </
    tbody>
50                          </table>
51
52                      </div>
53                  </div>
54              </div>
55          </div>
56      </div>
57 </div>
58 </div>
59 </body>
```

```
60
61 </html>
```

Listing 60: product_category.php

```
1 <div id="page-wrapper">
2      <div class="row">
3          <div class="col-lg-12">
4
5              <div class="panel
    panel-default">
6                  <div class="panel
    -heading">
7                      Product
    Categories
8                  </div>
9                  <div class="panel
    -body">
10  <form action="<?php echo
    site_url('product_category/
    edit'); ?>" method="post">
11  <?php
12  $prodcat_mess = $this->
    session->flashdata('
    prodcat_mess');
13  if(!empty($prodcat_mess)) {
14  echo "<div class='alert
    alert-success alert-
    dismissable'>".
15      "<button type='button'
    class='close' data-dismiss='
    alert' aria-hidden='true'>&
    times;</button>".
16      "$prodcat_mess"."</div
    >";
17  }
18  $edit_err = $this->session->
    flashdata('edit_err');
19  if(!empty($edit_err)) {
20  echo "<div class='alert
    alert-danger alert-dismissable
    '>".
21      "<button type='button'
    class='close' data-dismiss='
    alert' aria-hidden='true'>&
    times;</button>".
22      "$edit_err"."</div>";
23  }
24  $edit_success = $this->
    session->flashdata('
    edit_success');
25  if(!empty($edit_success)) {
26  echo "<div class='alert
    alert-success alert-
    dismissable'>".
27      "<button type='button'
    class='close' data-dismiss='
    alert' aria-hidden='true'>&
    times;</button>".
```

```
28        "$edit_success". "</div
      >";
29    }
30    if (!empty($prodcat_message)
      ) {
31      echo "<div class='alert
      alert−success alert−
      dismissable'>".
32        "<button type='button'
      class='close' data−dismiss='
      alert' aria−hidden='true'>&
      times;</button>".
33        "$prodcat_message". "</
      div>";
34    }
35    ?>
36    <div class="
      dataTable_wrapper">
37                      <table
      class="table table−striped
      table−bordered table−hover" id
      ="dataTables−example">
38                      <
      thead>
39                      <
      tr>
40        <th> Select </th>
41
42        <th> Name </th>
43                      </
      thead>
44                      <
      tbody>
45
46        <?php
47        foreach($prod_cats as
      $prod_cat) {
48        echo "<tr>".
49        "<td><input type='
      radio' name='categories' value
      ='". $prod_cat−>id ."'/></td
      >".
50        "<td>". $prod_cat−>
      name ."</td>".
51        "</tr>";
52        }
53        ?>
54                      </
      tbody>
55                      </table>
56
57                      </div>
58    <input type='submit' name='
      submit' value='Rename' class="
      btn btn−default"/>
59    </form>
```

```
60                      </div>
61                  </div>
62                </div>
63            </div>
64  </div>
65  </div>
66  </body>
67
68  </html>
```

Listing 61: product_requests.php

```
1  <div id="page−wrapper">
2      <div class="row">
3          <div class="col−lg−12">
4
5              <div class="panel
      panel−default">
6                  <div class="panel
      −heading">
7                      Product
      Requests <a href='
      product_requests_grid' >Grid
      View</a>
8                  </div>
9                  <div class="panel
      −body">
10    <form action="<?php echo
      site_url('request/
      manage_request'); ?>" method="
      post" onsubmit="return
      confirm_update();" >
11    <?php
12    $prodreq_message = $this−>
      session−>flashdata("
      prodreq_message");
13    if (!empty($prodreq_message)
      ) {
14      echo "<div class='alert
      alert−success alert−
      dismissable'>".
15      "<button type='button'
      class='close' data−dismiss='
      alert' aria−hidden='true'>&
      times;</button>".
16      "$prodreq_message". "</
      div>";
17    }
18    $prodreq_message = $this−>
      session−>flashdata("
      prodreq_message_no");
19    if (!empty($prodreq_message)
      ) {
20      echo "<div class='alert
      alert−danger alert−dismissable
      '>".
21      "<button type='button'
      class='close' data−dismiss='
      alert' aria−hidden='true'>&
```

```php
times;</button>".
        "$prodreq_message"."</
div>";
      }
    $prodreq_message_err =
$this->session->flashdata("
prodreq_message_err");
    if(!empty(
$prodreq_message_err)) {
      echo "<div class='alert
alert-danger alert-dismissable
'>".
        "<button type='button'
class='close' data-dismiss='
alert' aria-hidden='true'>&
times;</button>".
        "$prodreq_message_err".
"</div>";
    }
  ?>

  <div class="
dataTable_wrapper">
                <table
class="table table-striped
table-bordered table-hover" id
="dataTables-example">
                    <
thead>
                        <
tr>
      <?php
        if($this->session->
userdata('usertype') == 'admin
') {
          echo "<th> Delete </th
>";
        }
      ?>
      <th> Product Name </th>
      <th> Date Requested </th
>

    <th> Requested by </th>
      <th> Email Address </th>

    <th> Description </th>

</tr>
                        </
thead>
                        <
tbody>

      <?php
        foreach(
$product_requests as $prod) {
          $hrefstr = "request/
view_request/".$prod->id;
      $hrefseller = "user/
view_user/".$prod->userid;
      echo "<tr>";
      if($this->session->
userdata('usertype') == 'admin
') {
        echo "<td>"."<input
type='radio' name='prodreqs'
value='".$prod->id."'/></td>";
      }
      echo
        "<td><a href=".
site_url($hrefstr).">".$prod->
prodName ."</a></td>".
        "<td>". $prod->
date_request ."</td>";
      if($prod->userid == 0)
{
      echo "<td>". $prod->
name ."</td>";
      }
      else {
      echo "<td><a href='".
site_url($hrefseller)."'>".
$prod->name ."</a></td>";
      }
      echo "<td>". $prod->
email ."</td>".
        "<td>". $prod->
prod_description ."</td>".
        "</tr>";
    }
  ?>

                        </
tbody>
                    </table>

                </div>
  <?php
  if($this->session->userdata
('usertype') == 'admin') { ?>
    <input type='button' name='
submit' value='Delete Request'
 class="btn btn-danger" data-
toggle="modal" data-target="#
smallModal1" />

    <div class="modal fade" id
="smallModal1" tabindex="-1"
role="dialog" aria-labelledby
="smallModal" aria-hidden="
true">
    <div class="modal-dialog
modal-sm">
    <div class="modal-content
">
```

```
84            <div class="modal-header
      ">
85          <button type="button"
      class="close" data-dismiss="
      modal" aria-hidden="true">&
      times;</button>
86          <h4 class="modal-title"
      id="myModalLabel">Confimation
      </h4>
87            </div>
88          <div class="modal-body">
89          <b>Delete this product
      request? </h4>
90            </div>
91          <div class="modal-footer
      ">
92          <button type="button"
      class="btn btn-default" data-
      dismiss="modal">Cancel</button
      >
93          <input type="submit" name
      ='submit' value='Delete
      Request' class="btn btn-
      primary" />
94            </div>
95          </div>
96          </div>
97        </div>
98
99
100     <?php } ?>
101     </form>
102                </div>
103              </div>
104          </div>
105      </div>
106 </div>
107 </div>
108 </body>
109
110 </html>
```

Listing 62: product_sold.php

```
1 <div id="page-wrapper">
2     <div class="row">
3        <div class="col-lg-12">
4
5            <div class="panel
      panel-default">
6                <div class="panel
      -heading">
7                    Products Sold
      <a href="<?php echo site_url
      ('product_transaction/
      view_sold'); ?>">Grid view</a>
8                </div>
9                <div class="panel
      -body">
10     <?php
11     $edit_sold_status_message =
      $this->session->flashdata("
      edit_sold_status_message");
12     if (!empty(
      $edit_sold_status_message)) {
13        echo "<div class='alert
      alert-success alert-
      dismissable'>".
       "<button type='button'
      class='close' data-dismiss='
      alert' aria-hidden='true'>&
      times;</button>".
       "
      $edit_sold_status_message".
      "</div>";
       }
       $edit_sold_status_message =
      $this->session->flashdata("
      edit_sold_status_message_no");
       if (!empty(
      $edit_sold_status_message)) {
        echo "<div class='alert
      alert-danger alert-dismissable
      '>".
        "<button type='button'
      class='close' data-dismiss='
      alert' aria-hidden='true'>&
      times;</button>".
        "
      $edit_sold_status_message".
      "</div>";
        }
        ?>
14     <form action="<?php echo
      site_url('product_transaction/
      edit_sold_status'); ?>" method
      ="post" onsubmit="return
      confirm_update();" >
15     <div class="
      dataTable_wrapper">
16                <table class
      ="table table-striped table-
      bordered table-hover" id="
      dataTables-example">
17                    <
      thead>
18                        <
      tr>
19        <th> Select </th>
20        <th> Name </th>
21
22        <th> Date/Time Sold</th>
23        <th> Category </th>
24
25        <th> Transaction Type/Price
      (each) </th>
26        <th> Quantity </th>
```

```php
35              <th> Buyer </th>
36              <th> Status </th>
37
            </tr>
38                              </
    thead>
39                          <
    tbody>
40
41          <?php
42            $ctr = 0;
43            foreach($products_sold
    as $product_sold) {
44              $hrefurl = "
    product_transaction/
    view_transaction/".
    $product_sold->id;
45              $price = "";
46              echo "<tr>";
47                if($product_sold->
    status == 'UNPAID') {
48                  echo "<td>". "<input
    type='radio' name='sold_prod'
    value='".$product_sold->id
    ."'/>" ."</td>";
49                }
50                else {
51                  echo "<td>". "<input
    type='radio' name='sold_prod'
    value='".$product_sold->id."'
    disabled/>" ."</td>";
52                }
53                if($product_sold->
    transaction_type == 'REGULAR')
    {
54                  $price = "/".
    $product_prices[$ctr];
55                }
56                echo
57                  "<td><a href='".
    site_url($hrefurl)."'>".
    $product_names[$ctr] ."</a></
    td>".
58                  "<td>". $product_sold
    ->dateTransaction ."</td>".
59                  "<td>".
    $prodcats_name[$ctr] ."</td>".
60                  "<td>". $product_sold
    ->transaction_type.$price ."</
    td>".
61                  "<td>". $product_sold
    ->quantity ."</td>".
62                  "<td>".
    $product_buyers[$ctr] ."</td
    >".
63                    "<td>".
    $product_sold->status ."</td
64    >".
        "</tr>";
65        $ctr++;
66      }
67    ?>
68
69                          </
    tbody>
70                      </table>
71                  </div>
72    <input type='button' name='
    submit' value='Mark as paid'
    class="btn btn-success" data-
    toggle="modal" data-target="#
    smallModal1"/>
73    <input type='button' name='
    submit' value='Cancel
    transaction' class="btn btn-
    danger" data-toggle="modal"
    data-target="#smallModal2" />
74
    <div class="modal fade" id="
75    smallModal1" tabindex="-1"
    role="dialog" aria-labelledby
    ="smallModal" aria-hidden="
    true">
76      <div class="modal-dialog
    modal-sm">
77        <div class="modal-content">
78          <div class="modal-header
    ">
79          <button type="button"
    class="close" data-dismiss="
    modal" aria-hidden="true">&
    times;</button>
80          <h4 class="modal-title" id
    ="myModalLabel">Confimation</
    h4>
81          </div>
82          <div class="modal-body">
83          <b>Are you sure you want
    to mark this product as PAID?
    </h4>
84          </div>
85          <div class="modal-footer
    ">
86          <button type="button"
    class="btn btn-default" data-
    dismiss="modal">Cancel</button
    >
87          <input type="submit"name='
    submit' value='Yes' class="btn
    btn-primary" />
88          </div>
89        </div>
90        </div>
91    </div>
92
```

```
 93        <div class="modal fade" id="
          smallModal2" tabindex="−1"
          role="dialog" aria−labelledby
          ="smallModal" aria−hidden="
          true">
 94          <div class="modal−dialog
          modal−sm">
 95        <div class="modal−content">
 96          <div class="modal−header
          ">
 97          <button type="button"
          class="close" data−dismiss="
          modal" aria−hidden="true">&
          times;</button>
 98          <h4 class="modal−title" id
          ="myModalLabel">Confimation</
          h4>
 99          </div>
100          <div class="modal−body">
101          <b>Are you sure you want
          to cancel this product
          transaction? </h4>
102          </div>
103          <div class="modal−footer
          ">
104          <button type="button"
          class="btn btn−default" data−
          dismiss="modal">No</button>
105          <input type="submit"name='
          submit' value='Cancel
          Transaction' class="btn btn−
          primary" />
106          </div>
107        </div>
108        </div>
109      </div>
110      </form>
111              </div>
112            </div>
113          </div>
114      </div>
115 </div>
116 </div>
117 </body>
118
119 </html>
```

Listing 63: ratings.php

```
 1 <div id="page−wrapper">
 2     <div class="row">
 3         <div class="col−lg−12">
 4
 5             <div class="panel
          panel−default">
 6                 <div class="panel
          −heading">
 7                     Ratings by
          User
 8        </div>
 9        <div class="panel
          −body">
10      <div class="
          dataTable_wrapper">
11                 <table
          class="table table−striped
          table−bordered table−hover" id
          ="dataTables−example">
12                     <
          thead>
13                     <
          tr>
14          <th> User </th>
15          <th> Rating </th>
16
17      </tr>
18                     </
          thead>
19                     <
          tbody>
20
21      <?php
22      for($i = 0;$i < sizeof(
          $names);$i++) {
23          $hrefseller = "user/
          view_user/".$name_ids[$i];
24          echo "<tr>".
25          "<td><a href=".
          site_url($hrefseller).">".
          $names[$i] ."</a></td>".
26          "<td>".$ratings[$i
          ]."</td>".
27          "</tr>";
28      }
29      ?>
30
31                     </
          tbody>
32                     </table>
33
34                 </div>
35
36             </div>
37        </div>
38      </div>
39 </div>
40 </div>
41 </body>
42
43 </html>
```

Listing 64: register.php

```
1 <div class="register_account">
2     <div class="wrap">
3         <h4 class="title">
          Register for an Account</h4>
```

```php
4        <form action="<?php echo site_url('register'); ?>" method="post">
5            <div class="col_1_of_2 span_1_of_2">
6                <div>
7    <?php
8      if (!empty($register_error)) {
9        echo '<span style = "color: red;">'.$register_error.'</span>';
10       }
11       if (!empty($acctreq_success)) {
12         echo '<span style = "color: green;">'.$acctreq_success.'</span>';
13       }
14       if ($this->session->flashdata("register_success") !== FALSE) {
15         echo '<span style = "color: green;">'.$this->session->flashdata("register_success").'</span>';
16       }
17     ?>
18                    <p class="code">Email Address:</p><input type="text" name="email" value="<?php echo set_value('email'); ?>" />
19      <p class="code">UPM ID:</p><input type="text" name="upmid" value="<?php echo set_value('upmid'); ?>" />
20      <p class="code">College:</p>
21      <select name="college" class="frm-field required">
22        <option value="">Select College</option>
23                      <option value="cas" <?php echo set_select('college', 'cas'); ?> >College of Arts and Sciences</option>
24                      <option value="camp" <?php echo set_select('college', 'camp'); ?>>College of Allied Medical Professions</option>
25                      <option value="cd" <?php echo set_select('college', 'cd'); ?>>College of Dentistry</option>
26                      <option value="cm" <?php echo set_select('college', 'cm'); ?>>College of Medicine</option>
27                      <option value="cn" <?php echo set_select('college', 'cn'); ?>>College of Nursing</option>
28                      <option value="cp" <?php echo set_select('college', 'cp'); ?>>College of Pharmacy</option>
29                      <option value="cph" <?php echo set_select('college', 'cph'); ?>>College of Public Health</option>
30                    </select>
31                    <p class="code">Contact Number:</p><input type="text" name="contactNum" value="<?php echo set_value('contactNum'); ?>"/>
32      <p class="code">Is Individual?
33                    <input type="radio" name="isInd" value="yes" onclick="javascript:checkInd();" id="yesCheck" <?php echo set_radio('isInd', 'yes'); ?>>Yes</input>
34                    <input type="radio" name="isInd" value="no" onclick="javascript:checkInd();" <?php echo set_radio('isInd', 'no'); ?>>No</input>
35                    </p>
36  </div>
37        </div>
38        <div id="ifInd" style="
39   <?php if (set_radio('isInd', 'yes')) {
40     echo "display: block;";
41   } else {
42     echo "display: none;";
43   }
44   ?>
45  ">
46            <div class="col_1_of_2 span_1_of_2">
47                <div>
48    <p class="code">First Name:</p><input type="text" name="fName" value="<?php echo
```

166

```
set_value('fName'); ?>"/>
49        <p class="code">Middle Name
   :</p><input type="text" name="
   mName" value="<?php echo
   set_value('mName'); ?>"/>
50        <p class="code">Last Name
   :</p><input type="text" name="
   lName" value="<?php echo
   set_value('lName'); ?>"/>
51                    </div>
52                  </div>
53                </div>
54             <div id="ifOrg" style
   ="
55    <?php if (set_radio('isInd',
   'no')) {
56      echo "display: block;";
57      } else {
58      echo "display: none;";
59      }
60    ?>
61    ">
62                <div class="
   col_1_of_2 span_1_of_2">
63                  <div>
64       <p class="code">
   Organization Name:</p><input
   type="text" name="orgName"
   value="<?php echo set_value('
   orgName'); ?>"/>
65        </div>
66                  </div>
67                </div>
68    <?php if(empty(
   $acctreq_success)) {
69      echo "<div class='button1'><
   input type='submit' name='
   Submit' value='Register' /> </
   div> <br> <br> <br>";
70      }
71    ?>
72                <div class="clear"></
   div>
73         </form>
74      </div>
75  </div>
76   <br />
```

Listing 65: registered_accts.php

```
1 <div id="page-wrapper">
2    <div class="row">
3        <div class="col-lg-12">
4
5                <div class="panel
   panel-default">
6                    <div class="panel
   -heading">
7                        Registered
   Accounts
8                    </div>
9                    <div class="panel
   -body">
10   <form action="<?php echo
   site_url('administrator/
   disable_account'); ?>" method
   ="post" onsubmit="return
   confirm_update();" >
11   <?php
12    $act_message = $this->
   session->flashdata("
   act_message");
13    $deact_message = $this->
   session->flashdata("
   deact_message");
14    $no_selected = $this->
   session->flashdata("
   no_selected");
15    if (!empty($act_message)) {
16     echo "<div class='alert
   alert-success alert-
   dismissable'>".
17       "<button type='button'
   class='close' data-dismiss='
   alert' aria-hidden='true'>&
   times;</button>".
18       "$act_message". "</div
   >";
19    }
20    if (!empty($deact_message))
   {
21     echo "<div class='alert
   alert-success alert-
   dismissable'>".
22       "<button type='button'
   class='close' data-dismiss='
   alert' aria-hidden='true'>&
   times;</button>".
23       "$deact_message". "</div
   >";
24    }
25    if (!empty($no_selected)) {
26     echo "<div class='alert
   alert-danger alert-dismissable
   '>".
27       "<button type='button'
   class='close' data-dismiss='
   alert' aria-hidden='true'>&
   times;</button>".
28       "$no_selected". "</div
   >";
29    }
30    ?>
31    <div class="
   dataTable_wrapper">
32                <table
```

```php
              class="table table-striped
        table-bordered table-hover" id
        ="dataTables-example">
33                                    <
        thead>
34                                    <
        tr>
35          <th> Manage </th>
36          <th> Username </th>
37
        <th> Date/Time Approved</th
        >
38          <th> Name </th>
39
        <th> UPM ID </th>
40
        <th> College </th>
41
        </tr>
42                                    </
        thead>
43                                    <
        tbody>
44
45          <?php
46          foreach(
        $registered_accts as
        $registered_acct) {
47              $hrefstr = "user/
        view_user/".$registered_acct->
        id;
48              $usertype = "
        Organization";
49              if($registered_acct->
        isInd == 1) {
50                  $usertype = "
        Individual";
51              }
52              if($registered_acct->
        isAdmin == 1) {
53                  continue;
54              }
55              echo "<tr "; if(
        $registered_acct->isDisabled
        == 1) { echo " class='danger '";
        } echo ">";
56              echo "<td>". "<input
        type='checkbox' name='regaccts
        []' value='".$registered_acct
        ->id."'/>"; if(
        $registered_acct->isDisabled
        == 1) {echo " Activate";} else
        {echo " Deactivate";} echo "</
        td>".
57                  "<td><a href=".
        site_url($hrefstr).">".
        $registered_acct->username
        ."</a></td>".

58                  "<td>".
        $registered_acct->dateApproved
        ."</td>".
59                  "<td>".
        $registered_acct->name ."</td
        >".
60                  "<td>".
        $registered_acct->upmid ."</td
        >".
61                  "<td>".
        $registered_acct->college ."</
        td>".
62                  "</tr>";
63          }
64          ?>
65
66                              </
        tbody>
67                          </table>
68
69                      </div>
70  <input type='button' name='
        submit' value='Submit' class="
        btn btn-default" data-toggle="
        modal" data-target="#
        smallModal1" />
71  <div class="modal fade" id="
        smallModal1" tabindex="-1"
        role="dialog" aria-labelledby
        ="smallModal" aria-hidden="
        true">
72      <div class="modal-dialog
        modal-sm">
73      <div class="modal-content">
74          <div class="modal-header
        ">
75          <button type="button"
        class="close" data-dismiss="
        modal" aria-hidden="true">&
        times;</button>
76          <h4 class="modal-title" id
        ="myModalLabel">Confimation</
        h4>
77          </div>
78          <div class="modal-body">
79          <b>Are you sure? </h4>
80          </div>
81          <div class="modal-footer
        ">
82          <button type="button"
        class="btn btn-default" data-
        dismiss="modal">Cancel</button
        >
83          <input type="submit" name
        ='submit' value='Submit' class
        ="btn btn-primary" />
84          </div>
85      </div>
```

```
86        </div>
87      </div>
88    </form>
89              </div>
90          </div>
91        </div>
92      </div>
93 </div>
94 </div>
95 </body>
96
97 </html>
```

Listing 66: request.php

```
1  <div class="register_account">
2      <div class="wrap">
3          <h4 class="title">Request
       for a Product</h4>
4          <form action="<?php echo
       site_url('request/send_request
       '); ?>" method="post" enctype
       ="multipart/form-data">
5      <?php
6       if($this->session->userdata('
       userid')) {
7        if (!empty($error_mess)) {
8         echo '<span style = "color:
       red;">'.$error_mess.'</span
       >';
9        }
10       $prodreq_success = $this->
       session->flashdata("
       prodreq_success");
11       if(!empty($prodreq_success))
       {
12        echo '<span style = "color:
       green;">'.$this->session->
       flashdata("prodreq_success")
       .'</span>';
13       }
14      }
15     ?>
16     <?php if(!$this->session->
       userdata('userid')) { ?>
17     <div class="col_1_of_2
       span_1_of_2">
18       <?php
19       if (!empty($error_mess)) {
20         echo '<span style = "color
       : red;">'.$error_mess.'</span
       >';
21       }
22       $prodreq_success = $this->
       session->flashdata("
       prodreq_success");
23       if(!empty($prodreq_success)
       ) {
24         echo '<span style = "color
       : green;">'.$this->session->
       flashdata("prodreq_success")
       .'</span>';
25       }
26      ?>
27      <p class="code">Name:</p><
       input type="text" name="name"
       value="<?php echo set_value('
       name'); ?>" />
28      <p class="code">Email
       Address:</p><input type="text"
        name="email" value="<?php
       echo set_value('email'); ?>"
       />
29      <p class="code">Contact
       Number:</p><input type="text"
       name="contactNum" value="<?php
        echo set_value('contactNum');
        ?>" />
30     </div>
31 <?php } ?>
32          <div class="
       col_1_of_2 span_1_of_2">
33     <p class="code">Product Name
       :</p><input type="text" name="
       prodName" value="<?php echo
       set_value('prodName'); ?>" />
34          <p class="code">
       Product Category:</p>
35     <select name="prodcat" class
       ="frm-field required">
36              <option value
       ="">Select Product Category</
       option>
37       <?php
38         foreach($prodcats as
       $prodcat) {
39           echo "<option value='".
       $prodcat->name."' ".set_select
       ('prodcat', $prodcat->name)
       ."'>".$prodcat->name."</option
       >";
40         }
41       ?>
42              </select>
43     <p class="code">Upload Image
       :</p>
44              <input type="file
       " value="<?php echo set_value
       ('request_file'); ?>" name="
       request_file" />
45     <br /><br />
46     <p class="code">Product
       Description:</p>
47     <div class="text">
48              <textarea
       name="description"></textarea>
```

169

```php
49                </div>
50    <?php
51     echo "<div class='submit'>
52      <input type='submit' value='Submit'>
53      </div>";
54    ?>
55                </div>
56                <div class="clear"></div>
57         </form>
58      </div>
59 </div>
```

Listing 67: search_results.php

```php
1 <div id="page-wrapper">
2     <div class="row">
3         <div class="col-lg-12">
4
5             <div class="panel panel-default">
6                 <div class="panel-heading">
7                     Search Results
8                 </div>
9                 <div class="panel-body">
10    <?php
11      if(!empty($deact_message)){
12      echo "<div class='alert alert-success alert-dismissable'>".
13         "<button type='button' class='close' data-dismiss='alert' aria-hidden='true'>&times;</button>".
14         "$deact_message". "</div>";
15      }
16    ?>
17    <div class="dataTable_wrapper">
18                     <table class="table table-striped table-bordered table-hover" id="dataTables-example">
19                         <thead>
20                         <tr>
21         <th> Username </th>
22
23         <th> Name</th>
          <th> User Type </th>
24
          <th> College </th>
25                         </tr>
26                         </thead>
27                         <tbody>
28
29         <?php
          foreach( $registered_accts as $registered_acct) {
30            $hrefstr = "user/view_user/".$registered_acct->id;
31            $usertype = "Organization";
32
33            if($registered_acct->isInd == 1) {
34            $usertype = "Individual";
35            }
36            if($registered_acct->isAdmin == 1) {
37            continue;
38            }
39            echo "<tr>";
40            echo "<td><a href=".site_url($hrefstr).">".$registered_acct->username."</a></td>".
41                 "<td>".$registered_acct->name ."</td>".
42                 "<td>". $usertype ."</td>".
43                 "<td>".$registered_acct->college ."</td>".
44                 "</tr>";
45         }
46         ?>
47
48                         </tbody>
49                     </table>
50                 </div>
51             </div>
52         </div>
53     </div>
54   </div>
55   </div>
56 </div>
57 </div>
58 </body>
59
60 </html>
```

170

```php
1  <div id="page-wrapper">
2      <div class="row">
3          <div class="col-lg-12">
4              <div class="panel panel-default">
5                  <div class="panel-heading">
6                      Trade Requests as Buyer
7                  </div>
8                  <div class="panel-body">
9  <?php
10 $success_tradereq = $this->session->flashdata('success_tradereq');
11 if(!empty($success_tradereq)) {
12     echo "<div class='alert alert-success alert-dismissable'>".
13         "<button type='button' class='close' data-dismiss='alert' aria-hidden='true'>&times;</button>".
14         "$success_tradereq". "</div>";
15 }
16 ?>
17 <div class="dataTable_wrapper">
18     <table class="table table-striped table-bordered table-hover" id="dataTables-example">
19         <thead>
20             <tr>
21                 <th> Product Name </th>
22                 <th> Product Trade Name </th>
23                 <th> Seller </th>
24                 <th> Date/Time Requested </th>
25                 <th> Status </th>
26             </tr>
27         </thead>
28         <tbody>
29
30             <?php
31             $ctr = 0;
32             foreach($trades as $trade) {
33                 $href_prod_name = "product/view_product_advertised/".$trade->prodid;
34                 $href_trade_name = "trade/view_trade/".$trade->id;
35                 $href_seller_name = "user/view_user/".$trade->seller_id;
36                 echo "<tr>";
37                 echo "<td><a href=".site_url($href_prod_name).">".$prod_names[$ctr]."</a></td>".
38                     "<td><a href=".site_url($href_trade_name).">".$trade->name."</a></td>".
39                     "<td><a href=".site_url($href_seller_name).">".$seller_names[$ctr]."</a></td>".
40                     "<td>". $trade->datereq ."</td>".
41                     "<td>". $trade->status ."</td>".
42                     "</tr>";
43                 $ctr++;
44             }
45             ?>
46
47                 </tbody>
48             </table>
49
50         </div>
51     </div>
52 </div>
53 </div>
54 </div>
55 </div>
56 </div>
57 </body>
58
59 </html>
```

```php
1  <div id="page-wrapper">
2      <div class="row">
3          <div class="col-lg-12">
4              <div class="panel panel-default">
5                  <div class="panel-heading">
6                      Trade Requests as Seller
7                  </div>
8                  <div class="panel-body">
```

```php
 9                    <?php
10      $tradereqs_message = $this->session->flashdata('tradereqs_message');
11      if (!empty($tradereqs_message)) {
12        echo "<div class='alert alert-danger alert-dismissable'>".
13          "<button type='button' class='close' data-dismiss='alert' aria-hidden='true'>&times;</button>".
14          "$tradereqs_message"."</div>";
15      }
16      $no_reason = $this->session->flashdata('no_reason');
17      if (!empty($no_reason)) {
18        echo "<div class='alert alert-danger alert-dismissable'>".
19          "<button type='button' class='close' data-dismiss='alert' aria-hidden='true'>&times;</button>".
20          "$no_reason"."</div>";
21      }
22      $disapprove_mess = $this->session->flashdata('disapprove_mess');
23      if (!empty($disapprove_mess)) {
24        echo "<div class='alert alert-danger alert-dismissable'>".
25          "<button type='button' class='close' data-dismiss='alert' aria-hidden='true'>&times;</button>".
26          "$disapprove_mess"."</div>";
27      }
28      $disapprove_mess_success = $this->session->flashdata('disapprove_mess');
29      if (!empty($disapprove_mess)) {
30        echo "<div class='alert alert-success alert-dismissable'>".
31          "<button type='button' class='close' data-dismiss='alert' aria-hidden='true'>&times;</button>".
32          "$disapprove_mess_success"."</div>";
33      }
34    ?>
35                    <form action="<?php echo site_url('trade/manage_trades'); ?>" method="post" onsubmit="return confirm_update();">
36                      <div class="dataTable_wrapper">
37                        <table class="table table-striped table-bordered table-hover" id="dataTables-example">
38        <thead>
39          <tr>
40            <th> Select </th>
41            <th> Product Name </th>
42            <th> Product Trade Name </th>
43            <th> Buyer </th>
44            <th> Date/Time Requested </th>
45            <th> Status </th>
46          </tr>
47        </thead>
48        <tbody>

50          <?php
51      $ctr = 0;
52      foreach($trades as $trade) {
53        $hrefurl = "product/view_product_advertised/".$trade->prodid;
54        $hrefurl2 = "trade/view_trade/".$trade->id;
55        echo "<tr>";
56        if($trade->status == 'APPROVED') {
57        echo "<td>". "<input type='radio' name='trade_reqs' value='".$trade->id."' disabled/>" ."</td>";
58        }
```

```
59        else if($trade->status
       == 'DISAPPROVED') {
60          echo "<td>". "<input
       type='radio' name='trade_reqs'
        value='".$trade->id."'
       disabled/>" ."</td>";
61          }
62          else {
63          echo "<td>". "<input
       type='radio' name='trade_reqs'
        value='".$trade->id."'/>"
       ."</td>";
64          }
65          echo "<td><a href='".
       site_url($hrefurl)."'>".
       $prod_names[$ctr] ."</a></td
       >".
66          "<td><a href='".
       site_url($hrefurl2)."'>".
       $trade->name ."</a></td>".
67          "<td>". $buyer_names[
       $ctr] ."</td>".
68          "<td>". $trade->
       datereq ."</td>".
69          "<td>". $trade->
       status ."</td>".
70          "</tr>";
71          $ctr++;
72          }
73        ?>
74
75
       </tbody>
76
    </table>
77
78                                  </div
    >
79
80                            <
    input type='button' name='
    submit' value='Approve trade
    request' class="btn btn-
    success" data-toggle="modal"
    data-target="#smallModal1"/>
81                            <
    input type='button' name='
    submit' value='Disapprove
    trade request' class="btn btn-
    danger" data-toggle="modal"
    data-target="#basicModal" />
82        <div class="modal fade" id
    ="smallModal1" tabindex="-1"
    role="dialog" aria-labelledby
    ="smallModal" aria-hidden="
    true">
83          <div class="modal-dialog
     modal-sm">
84          <div class="modal-content
    ">
85          <div class="modal-
    header">
86          <button type="button"
    class="close" data-dismiss="
    modal" aria-hidden="true">&
    times;</button>
87          <h4 class="modal-title"
    id="myModalLabel">Confimation
    </h4>
88          </div>
89          <div class="modal-body
    ">
90          <b>Approve this trade
    request? </h4>
91          </div>
92          <div class="modal-
    footer">
93          <button type="button"
    class="btn btn-default" data-
    dismiss="modal">Cancel</button
    >
94          <input type="submit"name
    ='submit' value='Approve trade
     request' class="btn btn-
    primary" />
95          </div>
96          </div>
97          </div>
98          </div>
99
100          <div class="modal fade" id
    ="basicModal" tabindex="-1"
    role="dialog" aria-labelledby
    ="basicModal" aria-hidden="
    true">
101                            <
    div class="modal-dialog">
102          <div class="modal-content">
103          <div class="modal-
    header">
104          <button type="
    button" class="close" data-
    dismiss="modal" aria-hidden="
    true">&times;</button>
105          <h4 class="modal-
    title" id="myModalLabel">
    Disapprove trade request</h4>
106          </div>
107          <div class="modal-body
    ">
```

```
108            <b>Please input the
      reason for disapproving the
      trade request. This will be
      sent as a private message to
      the buyer.</b>
109
                 <textarea class="
      form-control" name="reason"
      rows="3"><?php echo set_value
      ('reason');?></textarea>
110
                 </div>
111
                 <div class="modal-
      footer">
112
                 <button type="
      button" class="btn btn-default
      " data-dismiss="modal">Cancel
      </button>
113
                 <input type="submit
      " name="submit" class="btn btn
      -primary" value="Submit" />
114
                 </div>
115
             </div>
116
         </div>
117                              </div
      >
118         </form>
119                 </div>
120             </div>
121         </div>
122     </div>
123 </div>
124 </div>
125 </body>
126
127 </html>
```

Listing 70: user.php

```
 1 <div id="page-wrapper">
 2     <div class="row">
 3         <div class="col-lg-8">
 4             <h1 class="page-
      header"><?php echo $user->name
      ?></h1>
 5         </div>
 6     <div class="col-lg-4">
 7             <img src="
 8     <?php
 9     $file = "assets/uploads/".
      $user->image;
10     if(!file_exists($file)) {
11     $file = "assets/images/user.
      jpg";
12     }
13 echo base_url($file);?>"
      height=230 width=230 alt="User
      picture"/>
14     </div>
15 </div>
16 <div class="row">
17     <div class="col-lg-12">
18         <div class="panel
      panel-default">
19             <div class="panel
      -body">
20                 <h3>Profile</
      h3>
21                 <?php if(
      $this->session->userdata('
      userid') == $user->id) { ?>
                  <p>Click <a
      href="<?php echo site_url('
      user/edit_profile/'.$user->id)
      ; ?>">here</a> to edit
      information.</p>
                  <?php } ?>
                  <?php if(
      $this->session->userdata('
      userid') != $user->id) { ?>
                  <p>Click <a
      href="<?php echo site_url('
      conversation/
      prior_view_conversation/'.
      $user->id); ?>">here</a> to
      message user.</p>
      <p><a href="" data-toggle="
      modal" data-target="#
      basicModal">Report buyer</a></
      p>
22  <?php } ?>
                  <?php
23  $edit_profile_mess = $this
      ->session->flashdata("
      edit_profile_mess");
24  if(!empty(
      $edit_profile_mess)) {
25      echo "<div class='alert
      alert-success alert-
      dismissable'>".
26  "<button type='button'
      class='close' data-dismiss='
      alert' aria-hidden='true'>&
      times;</button>".
27  "$edit_profile_mess"."</
      div>";
28  }
29  $success_rating = $this->
      session->flashdata("
      success_rating");
```

```php
36        if(!empty($success_rating))
   {
37        echo "<div class='alert
   alert-success alert-
   dismissable'>".
38        "<button type='button'
   class='close' data-dismiss='
   alert' aria-hidden='true'>&
   times;</button>".
39        "$success_rating". "</div
   >";
40      }
41      $err_mess = $this->session
   ->flashdata("err_mess");
42      if(!empty($err_mess)) {
43      echo "<div class='alert
   alert-danger alert-dismissable
   '>".
44        "<button type='button'
   class='close' data-dismiss='
   alert' aria-hidden='true'>&
   times;</button>".
45        "$err_mess". "</div>";
46      }
47      $success_mess = $this->
   session->flashdata("
   success_mess");
48      if(!empty($success_mess)) {
49      echo "<div class='alert
   alert-success alert-
   dismissable'>".
50        "<button type='button'
   class='close' data-dismiss='
   alert' aria-hidden='true'>&
   times;</button>".
51        "$success_mess". "</div
   >";
52      }
53    ?>
54            <div class="
   table-responsive">
55              <table
   class="table table-bordered
   table-striped">
56                    <
   tbody>
57      <?php if($this->session->
   userdata('userid') != $user->
   id && $can_rate == 1) { ?>
58      <tr>
59
60      <th>Your rating:</th>
61        <td>
         <form action="<?php
   echo site_url('user/rate_user
   /'.$user->id); ?>" method="
   post">
62        <select name='rating'>
63          <option value='5' <?
   php if($rate == 5) {echo "
   selected";} ?>>5</option>
64          <option value='4' <?
   php if($rate == 4) {echo "
   selected";} ?>>4</option>
65          <option value='3' <?
   php if($rate == 3) {echo "
   selected";} ?>>3</option>
66          <option value='2' <?
   php if($rate == 2) {echo "
   selected";} ?>>2</option>
67          <option value='1' <?
   php if($rate == 1) {echo "
   selected";} ?>>1</option>
68        </select>
69        <input type="submit"
   value="Rate user" />
70        </form>
71
72    </td>
73
74  </tr>
75    <?php } ?>
76    <?php if($user->id != 1)
   { ?>
77      <?php if($user->
   credibility != 0) { ?>
78    <tr>
79
80      <th>Credibility:</th>
81
82      <td>
83        <span class="stars"><?
   php echo $user->credibility;
   ?></span>
84        <?php if($this->session
   ->userdata('userid') == $user
   ->id) { ?>
85        <a href="<?php echo
   site_url('user/
   prior_view_ratings'); ?>">View
    ratings</a>
86        <?php } ?>
87
88    </td>
89
90  </tr>
    <?php } ?>
    <?php } ?>
              <
   tr>

    <th>Username:</th>

    <td>
```

175

```php
                    <?php echo $user->
         username ?>
 91
             </td>

 92
         </tr>

 93                                      <
         tr>

 94
             <th>Is Individual?</th>

 95
             <?php if($user->isInd == 1)
         { echo "<td>Yes</td>"; }
 96         else { echo   "<td>No</
         td>"; }
 97       ?>
 98
         </tr>

 99                                      <
         tr>

100
             <th>UPM ID:</th>

101
             <td>

102
                 <?php echo $user->upmid
         ?>

103
             </td>

104
         </tr>

105                                      <
         tr>

106
             <th>College:</th>

107
             <td>

108
                 <?php echo $user->
         college ?>

109
             </td>

110
         </tr>

111                                      <
         tr>

112
             <th>Email Address:</th>

113
             <td>

114
                 <?php echo $user->email
         ?>

115
             </td>

116
         </tr>

117                                      <
```

```php
         tr>

118
             <th>Contact Number:</th>

119
             <td>

120
                 <?php echo $user->
         contactNum ?>

121
             </td>

122
         </tr>
                                         <
         tr>

123
             <th>Member since:</th>

124
             <td>

125
                 <?php echo $user->
         dateApproved ?>

126
             </td>

127
         </tr>
                                         </
         tbody>
128                  </table>
                 </div>
129              <?php if(
         $this->session->userdata('
         userid') != $user->id && (
         empty($no_records))) {   ?>
130                  <input type="
         button" class="btn btn-default
         " data-toggle="collapse" data-
         target="#demo" value="View
         products advertised" />

131                  <div id="demo
         " <?php if($set_view_adv == 0)
          echo "class='collapse'"; ?>>
132                  <div
         class="row">
                             <div
         class="col-lg-12">
133                              <
         div class="panel panel-default
         ">

134             <div class="panel-heading">

135                 Products <a href=""></a
         >

136             </div>

137             <div class="panel-body">
```

176

```php
143             <div class="wrap">
144                 <h2 class="head">
Products Advertised</h2>
145             <?php
146             if (!empty($no_records
)) {
147                 echo "<div class='
alert alert-success alert-
dismissable'>".
148                     "<button type='
button' class='close' data-
dismiss='alert' aria-hidden='
true'>&times;</button>".
149                     "$no_records". "</
div>";
150             }
151             ?>
152             <?php
153             $ctr = 0;
154             foreach($product_advs
as $prod_adv) {
155             //$ctr++;
156             $hrefurl = "product/
view_product/".$prod_adv->id;
157             if($ctr == 0) {
158                 echo "<div class='
top-box'>";
159             }
160             ?>
161
162                 <div class="
col_1_of_3 span_1_of_3">
163                     <a href=<?php
echo site_url($hrefurl); ?>>
164                     <div class="
inner_content clearfix">
165                     <div class="
product_image">
166                         <img src="<?php
echo base_url('assets/uploads
/'.$prod_adv->image);?>" alt
="" />
167                     </div>
168                     <div class="price">
169                     <div class="cart-
left">
170                         <p class="title
"><?php echo $prod_adv->name;
?></p>
171                     <div class="
price1">
172                         <span class="
actual">P<?php echo $prod_adv
->price; ?></span>
173                     </div>
174                     <div class="cart-
right"> </div>
175                     <div class="clear
"></div>
176                     </div>
177                     </div>
178                     </a>
179
180                 </div>
181
182                 <?php $ctr++;
183             if($ctr == 3) {
184             echo "<div class='clear
'></div>";
185             echo "</div>";
186             $ctr = 0;
187             }
188             }
189             if($ctr != 3) {
190             echo "<div class='clear
'></div></div>";
191             }
192
193             ?>
194
195             </div>
196
197             </div>
198
199         </div>
200                             <
div class="row">
201             <div class="col-md-12 text-
center">
202
203                 <?php echo $links; ?>
204             </div>
205         </div>
206                             </div
>
207                         </div>
208                         <?php }
?>
                        </div>
                    </div>
                </div>
            </div>
<form action="<?php echo
site_url('user/report_buyer/'.
$user->id); ?>" method="post"
enctype="multipart/form-data">
<div class="modal fade" id="
basicModal" tabindex="-1" role
="dialog" aria-labelledby="
```

```
         basicModal" aria-hidden="true
         ">
209      <div class="modal-dialog">
210          <div class="modal-content">
211              <div class="modal-header">
212                  <button type="button" class="close" data-dismiss="modal" aria-hidden="true">&times;</button>
213                  <h4 class="modal-title" id="myModalLabel">Report buyer</h4>
214              </div>
215              <div class="modal-body">
216                  <b>Please input the reason for reporting this buyer as well as a screenshot as a basis. This will be sent to the System Administrator</b>
217                  <textarea class="form-control" name="reason" rows="3"><?php echo set_value('reason');?></textarea>
218                  <input type="file" name="basis" accept="image/x-png, image/gif, image/jpeg, image/jpg"></input>
219              </div>
220              <div class="modal-footer">
221                  <button type="button" class="btn btn-default" data-dismiss="modal">Cancel</button>
222                  <input type="submit" name="submit" class="btn btn-primary" value="Submit" />
223              </div>
224          </div>
225      </div>
226              </div>
227          </div>
228
229  </div>
230
231  </body>
232
233  </html>
```

Listing 71: view_all_convo.php

```
1  <div id="page-wrapper">
2      <div class="row">
3          <div class="col-lg-12">
4              <div class="panel panel-default">
5                  <div class="panel-heading">
6                      All Conversations
7                  </div>
8                  <div class="panel-body">
9    <div class="dataTable_wrapper">
10                     <table class="table table-striped table-bordered table-hover" id="dataTables-example">
11                         <thead>
12                             <tr>
13     <th> Conversation with </th>
14     <th> Unread messages </th>
15 </tr>
16                         </thead>
17                         <tbody>
18     <?php
19     for($i = 0;$i < sizeof($chatmates);$i++) {
20         echo "<tr>".
21             "<td><a href='prior_view_conversation/".$chatmateids[$i] ."'>".$chatmates[$i] ."</a></td>".
                "<td>".$unread_messages[$i] ."</td>".
22             "</tr>";
23         }
24     ?>
25                         </tbody>
26                     </table>
27
```

Left column:

```
28
29                    </div>
30                  </div>
31                </div>
32              </div>
33            </div>
34  </div>
35  </div>
36  </body>
37
38  </html>
```

Listing 72: view_all_notifications.php

```
1  <div id="page−wrapper">
2      <div class="row">
3          <div class="col−lg−12">
4              <div class="panel
   panel−default">
5                  <div class="panel
   −heading">
6                      All
   Notifications
7                  </div>
8                  <div class="panel
   −body">
9      <div class="
   dataTable_wrapper">
10                     <table class
   ="table table−striped table−
   bordered table−hover" id="
   dataTables−example">
11                         <
   thead>
12                             <
   tr>
13         <th> Notification </th>
14         <th> Date </th>
15                             </tr>
16                         </
   thead>
17                         <
   tbody>
18         <?php
19           if ( sizeof ( $notifications
   ) > 0) {
20             foreach ( $notifications
   as $notif ) {
21               echo "<tr >".
22                 "<td>".$notif−>
   description."</td>".
23                 "<td>". $notif−>
   date_notification ."</td>".
24                 "</tr >";
25             }
26           }
27         ?>
```

Right column:

```
28                            </
   tbody>
29                        </table>
30
31                    </div>
32                  </div>
33                </div>
34              </div>
35            </div>
36  </div>
37  </div>
38  </body>
39
40  </html>
```

Listing 73: view_products.php

```
1  <div id="page−wrapper">
2      <div class="row">
3          <div class="col−lg−12">
4
5              <div class="panel
   panel−default">
6                  <div class="panel
   −heading">
7                      All Products
   Advertised
8                  </div>
9                  <div class="panel
   −body">
10                     <form action
   ="<?php echo site_url ('product
   /delete_product '); ?>" method
   ="post" onsubmit="return
   confirm_update ();">
11                     <?php
12       $nothing_selected = $this−>
   session−>flashdata ("
   nothing_selected ");
13       if (! empty ( $nothing_selected
   )) {
14         echo "<div class='alert
   alert−danger alert−dismissable
   '>".
15           "<button type='button'
   class='close' data−dismiss='
   alert ' aria−hidden='true'>&
   times;</button >".
16           "$nothing_selected ". "</
   div >";
17       }
18       $no_reason = $this−>session
   −>flashdata ("no_reason ");
19       if (! empty ( $no_reason )) {
20         echo "<div class='alert
   alert−danger alert−dismissable
   '>".
21           "<button type='button'
   class='close' data−dismiss='
```

```
        alert' aria-hidden='true'>&
        times;</button>".
22          "$no_reason". "</div>";
23        }
24        $product_deleted = $this->
        session->flashdata("
        product_deleted");
25      if(!empty($product_deleted)
        ) {
26        echo "<div class='alert
        alert-success alert-
        dismissable'>".
27          "<button type='button'
        class='close' data-dismiss='
        alert' aria-hidden='true'>&
        times;</button>".
28          "$product_deleted". "</
        div>";
29        }
30        $product_disabled = $this->
        session->flashdata("
        product_disabled");
31      if(!empty($product_disabled
        )) {
32        echo "<div class='alert
        alert-success alert-
        dismissable'>".
33          "<button type='button'
        class='close' data-dismiss='
        alert' aria-hidden='true'>&
        times;</button>".
34          "$product_disabled". "</
        div>";
35        }
36        $error_mess = $this->
        session->flashdata("error_mess
        ");
37      if(!empty($error_mess)) {
38        echo "<div class='alert
        alert-danger alert-dismissable
        '>".
39          "<button type='button'
        class='close' data-dismiss='
        alert' aria-hidden='true'>&
        times;</button>".
40          "$error_mess". "</div>";
41      }
42      ?>
43                  <div
        class="dataTable_wrapper">
44                    <
        table class="table table-
        striped table-bordered table-
        hover" id="dataTables-example
        ">
45                        <
        thead>
46

47      <tr>
48        <th> Manage </th>
49        <th> Product Name </th>
50        <th> Seller </th>
51        <th> Date/Time
        Advertised </th>
52        <th> Quantity </th>
53        <th> Price </th>
54        <th> Is Active </th>
55      </tr>
56    </thead>
                    <
    tbody>
57      <?php
58        $ctr = 0;
59        foreach($prod_advs as
    $prod) {
60        $prodhref = "product/
    view_product_advertised/".
    $prod->id;
61        $hrefstr = "user/
    view_user/".$prod->userid;
62        echo "<tr>".
63          "<td>". "<input type
    ='radio' name='prods' value
    ='".$prod->id."'/>" ."</td>".
64          "<td><a href=".
    site_url($prodhref).">".$prod
    ->name."</a></td>".
65          "<td><a href=".
    site_url($hrefstr).">".
    $sellers[$ctr]."</a></td>".
66            "<td>". $prod->
    dateAdv ."</td>".
67          "<td>". $prod->
    quantity ."</td>".
68          "<td>". $prod->price
    ."</td>".
69          "<td>". $prod->
    isActive ."</td>".
70          "</tr>";
71        $ctr++;
72      }
73    ?>
74
75  </tbody>
76            </
    table>
```

```
77                          </div>
78      <input type='button' name='
submit' value='Activate
product advertisement' class="
btn btn−success" data−toggle="
modal" data−target="#
smallModal1"/>
79                          <input
type='button' name='submit'
value='Deactivate product
advertisement' class="btn btn−
danger" data−toggle="modal"
data−target="#basicModal" />
80
81      <div class="modal fade" id
="smallModal1" tabindex="−1"
role="dialog" aria−labelledby
="smallModal" aria−hidden="
true">
82          <div class="modal−dialog
modal−sm">
83          <div class="modal−content
">
84              <div class="modal−header
">
85          <button type="button"
class="close" data−dismiss="
modal" aria−hidden="true">&
times;</button>
86          <h4 class="modal−title"
id="myModalLabel">Confimation
</h4>
87              </div>
88          <div class="modal−body">
89          <b>Activate product
advertisement? </h4>
90              </div>
91              <div class="modal−footer
">
92          <button type="button"
class="btn btn−default" data−
dismiss="modal">Cancel</button
>
93          <input type="submit"name
='submit' value='Yes' class="
btn btn−primary" />
94              </div>
95          </div>
96          </div>
97      </div>
98      <div class="modal fade" id
="basicModal" tabindex="−1"
role="dialog" aria−labelledby
="basicModal" aria−hidden="
true">
99                          <div
class="modal−dialog">
100
101     div class="modal−content">

102         <div class="modal−header">

103             <button type="button"
class="close" data−dismiss="
modal" aria−hidden="true">&
times;</button>

104             <h4 class="modal−title"
id="myModalLabel">Deactivate
product advertised</h4>

105         </div>

106         <div class="modal−body">

107             <b>Please input the
reason for deactivating the
product advertised. This will
be sent as a private message
to the seller of the product
.</b>

108             <textarea class="form−
control" name="reason" rows
="3"><?php echo set_value('
reason');?></textarea>

109         </div>

110         <div class="modal−footer">

111             <button type="button"
class="btn btn−default" data−
dismiss="modal">Cancel</button
>

112             <input type="submit"
name="submit" class="btn btn−
primary" value="Submit" />

113         </div>

114                             </div
>

115                 </div>
116             </form>
117         </div>
118     </div>
119     </div>
120     </div>
121 </div>
122 </div>
123 </body>
124
125 </html>
```

Listing 74: view_requests_grid.php

```php
1
2  <div id="page-wrapper">
3      <div class="row">
4          <div class="col-lg-12">
5              <div class="panel
   panel-default">
6                  <div class="panel
   -heading">
7                      Product
   Requests <a href="<?php echo
   site_url('request/
   product_requests'); ?>">List
   view</a>
8                  </div>
9                  <div class="panel
   -body">
10                     <div class="
   wrap">
11                         <h2 class
   ="head"><?php echo "Product
   Requests"; ?></h2>
12
13                             <?php
14      $ctr = 0;
15      $ctr2 = 0;
16      foreach($product_requests
   as $prod_adv) {
17          $hrefurl = "request/
   view_request/".$prod_adv->id;
18          if($ctr % 3 == 0) {
19            echo "<div class='top-
   box'>";
20          }
21          ?>
22
   div class="col_1_of_3
   span_1_of_3">
23
       <a href=<?php echo site_url
   ($hrefurl); ?>>
24             <div class="
   inner_content clearfix">
25             <div class="
   product_image">
26                 <?php
27                 $file = 'assets/
   uploads/'.$prod_adv->image;
28                 ?>
29                 <img src="<?php echo
   base_url($file);?>" alt="" />
30             </div>
31             <div class="price">
32                 <div class="cart-left
   ">
33                 <p class="title"><?
   php echo $prod_adv->prodName;
   ?></p>
34                 </div>
35                 <div class="cart-
   right"> </div>
36                 <div class="clear"></
   div>
37             </div>
38         </div>
39         </a>
40
41  </div>
42                             <?
   php $ctr++; $ctr2++;
43      if($ctr == 3) {
44        echo "<div class='clear
   '></div>";
45        echo "</div>";
46        $ctr = 0;
47      }
48    }
49    if($ctr != 3) {
50        echo "<div class='clear
   '></div></div>";
51    }
52    ?>
53                     </div>
54                 </div>
55             </div>
56             <div class="row">
57                 <div class="col-
   md-12 text-center">
58                     <?php echo
   $links; ?>
59                 </div>
60             </div>
61         </div>
62     </div>
63  </div>
```

Listing 75: view_request.php

```php
1  <div id="page-wrapper">
2      <div class="row">
3          <div class="col-lg-12">
4              <div class="panel
   panel-default">
5                  <div class="panel
   -heading">
6                      View product
   request
7                  </div>
8                  <div class="panel
   -body">
9
10                     <div class="
   wrap">
11                         <ul class
   ="breadcrumb breadcrumb__t"><a
   class="home" href="#">User</a
```

```
        > / <a href="#">Product
        Requests</a> / View product
        request </ul>
12                      <div
    class="cont span_2_of_3">
13      <div class="grid
    images_3_of_2">
14                          <ul
    id="etalage">
15                              <
    li>
16
            <a href="">
17              <?php
18                $file = 'assets/
    uploads/request-'.$prodreq->id
    .'.jpg';
19            if(!file_exists($file)
    ) {
20                $file = 'assets/
    uploads/request-'.$prodreq->id
    .'.jpeg';
21                if(!file_exists($file
    )) {
22                    $file = 'assets/
    uploads/request-'.$prodreq->id
    .'.png';
23                }
24              }
25
26            ?>
27
            <img class="
    etalage_thumb_image" src="<?
    php echo base_url($file);?>"
    class="img-responsive" />
28
            <img class="
    etalage_source_image" src="<?
    php echo base_url($file);?>"
    class="img-responsive" title
    ="" />
29
        </a>
30
    </li>
31                              </ul>
32                              <div
    class="clearfix"></div>
33                          </div>
34                          <div
    class="desc1 span_3_of_2">
35                              <h3
    class="m_3"><?php echo
    $prodreq->prodName; ?></h3>
36                              <p
    class="m_text2"><?php echo
    $prodreq->prod_description; ?>
```

```
    </p>
37      <p class="m_text2">
    Requested by:<?php echo
    $prodreq->name; ?> </p>
38      <p class="m_text2">Email
    Address:<?php echo $prodreq->
    email; ?> </p>
39      <p class="m_text2">Contact
    Number:<?php echo $prodreq->
    contactNum; ?> </p>
40                          </div>
41                          <div
    class="clear"></div>
42                          <div
    class="clients">
43
44      <script src="<?php echo
    base_url('assets/js/jquery.
    flexisel.js');?>"></script>
45                          </div>
46
47                      </div>
48
49          </div>
50      <div class="clear"></div>
51      </div>
52
53              </div>
54
55          </div>
56      </div>
57      </div>
58 </div>
```

Listing 76: view_trade.php

```
1 <div id="page-wrapper">
2   <div class="row">
3       <div class="col-lg-12">
4           <div class="panel
    panel-default">
5               <div class="panel
    -heading">
6                   View trade
    request
7               </div>
8               <div class="panel
    -body">
9
10                  <div class="
    wrap">
11                      <ul class
    ="breadcrumb breadcrumb__t"><a
     class="home" href="#">User</a
    > / <a href="#">Trades
    Management</a> / View trade
    request </ul>
12                      <div
    class="cont span_2_of_3">
```

```
13        <div class="grid
     images_3_of_2">
14                          <ul
     id="etalage">
15                              <
     li >
16
         <a href="">
17            <?php
18               $file = 'assets/
     uploads/trade−'.$trade_info−>
     prodid.'−'.'1.jpg';
19               if (! file_exists ($file)
     ) {
20                  $file = 'assets/
     uploads/trade−'.$trade_info−>
     prodid.'−'.'1.jpeg';
21                  if (! file_exists ($file
     )) {
22                     $file = 'assets/
     uploads/trade−'.$trade_info−>
     prodid.'−'.'1.png';
23                  }
24               }
25            ?>
26
            <img class="
     etalage_thumb_image" src="<?
     php echo base_url($file);?>"
     class="img−responsive" />
27
            <img class="
     etalage_source_image" src="<?
     php echo base_url($file);?>"
     class="img−responsive" title
     ="" />
28
         </a>
29
     </li >
30                              </ul>
31                          <div
     class="clearfix"></div>
32                       </div>
33                       <div
     class="desc1 span_3_of_2">
34                          <h3
     class="m_3"><?php echo
     $trade_info−>name; ?></h3> <br
      />
35        <p class="m_4">
36         <?php
37         $seller_url = site_url("
     user/view_user/".$trade_info−>
     seller_id );
38         echo "<p class='m_4'>
     Seller : "."<a href='".
     $seller_url."'>".$seller."</a
```

```
39  >"."</p>";
    ?>
40     Date Traded: <?php echo
    $trade_info−>datereq ; ?>
41     </p>
42                  <p
    class="m_text2"><?php echo
    $trade_info−>description ; ?>
    </p>
43                  </div>
44                  <div
    class="clear"></div>
45                  <div
    class="clients">
46     <script src="<?php echo
    base_url('assets/js/jquery.
    flexisel.js ');?>"></script>
47                  </div>
48     </div>
49     <div class="clear"></div>
50                  </div>
51                  </div>
52
53                  </div>
54          </div>
55     </div>
56 </div>
```

Listing 77: view_users.php

```
1 <div id="page−wrapper">
2    <div class="row">
3       <div class="col−lg−12">
4
5          <div class="panel
    panel−default">
6                  <div class="panel
    −heading">
7                     All Users
8                  </div>
9                  <div class="panel
    −body">
10   <div class="
    dataTable_wrapper">
11                  <table class
    ="table table−striped table−
    bordered table−hover" id="
    dataTables−example">
12                     <
    thead>
13                        <
    tr>
14        <th> Name </th>
15
       <th> UPM ID</th>
       <th> College </th>
16
       <th> Contact Number </th>
17
```

184

```
18          </tr>
19        </thead>
20        <tbody>
21            <?php
22              foreach($users as $user){
23                echo "<tr>".
24                  "<td><a href='" . site_url('user/view_user/'.$user->id) . "' >" . $user->name ."</a></td>".
25                  "<td>". $user->upmid ."</td>".
26                  "<td>". $user->college ."</td>".
27                  "<td>". $user->contactNum ."</td>".
28                  "</tr>";
29              }
30            ?>
31
32        </tbody>
33      </table>
34     </div>
35    </div>
36   </div>
37  </div>
38  </div>
39 </div>
40 </div>
41 </body>
42
43 </html>
```

Listing 78: viewadvertised.php

```
1 <div id="page-wrapper">
2    <div class="row">
3        <div class="col-lg-12">
4            <div class="panel panel-default">
5                <div class="panel-heading">
6                    View product
7                </div>
8                <div class="panel-body">
9  <?php
10      $success_edit_adv = $this->session->flashdata('success_edit_adv');
11      if(!empty($success_edit_adv)) {
12        echo "<div class='alert alert-success alert-dismissable'>".
13        "<button type='button' class='close' data-dismiss='alert' aria-hidden='true'>&times;</button>".
14        "$success_edit_adv". "</div>";
15      }
16      $error_mess = $this->session->flashdata('image_err');
17      if(!empty($error_mess)) {
18     echo "<div class='alert alert-danger alert-dismissable'>".
19        "<button type='button' class='close' data-dismiss='alert' aria-hidden='true'>&times;</button>".
20        "$error_mess". "</div>";
21      }
22  ?>
23              <div class="wrap">
24                  <ul class="breadcrumb breadcrumb__t"><a class="home" href="#">User</a> / <a href="#">Products Management</a> / View product </ul>
25      <div class="cont span_2_of_3">
26      <?php
27        if($this->session->userdata('userid') == $product_info->userid) {
28      ?>
29        <p class='m_4'>Click <a href='<?php echo site_url('product/edit_product_advertised/'.$product_info->id); ?>'>here</a> to edit</p>
30      <?php
31      }
32      ?>
33   <div class="grid images_3_of_2">
34    <ul id="etalage">
35     <li>
36      <a href="">
37       <?php
38        $file = 'assets/uploads/'.$product_info->image;
39       ?>
40       <img class="etalage_thumb_image" src="<?php echo base_url($file);?>"
```

```
                class="img-responsive" />
41          <img class="
    etalage_source_image" src="<?
    php echo base_url($file);?>"
    class="img-responsive" title
    ="" />
42        </a>
43        </li>

45        <?php
46          if(sizeof($other_images)
    > 0) {
47            foreach($other_images as
    $other_image) {
48              $file = 'assets/uploads
    /'.$other_image->name;
49              echo "
50              <li>
51                <img class='
    etalage_thumb_image' src='".
    base_url($file)."' class='img-
    responsive' />
52                <img class='
    etalage_source_image' src='".
    base_url($file)."' class='img-
    responsive' title='' />
53              </li>
54              ";
55            }
56          }
57        ?>
58        </ul>
59        <div class="clearfix"></div
    >
60        </div>
61                        <div
    class="desc1 span_3_of_2">
62                          <h3
    class="m_3"><?php echo
    $product_info->name; ?></h3>
63                          <p
    class="m_4">
64            P<?php echo $product_info
    ->price; ?> <br />
65            Quantity:<?php echo
    $product_info->quantity; ?> <
    br />
66            Date Advertised:<?php
    echo $product_info->dateAdv;
    ?> <br />
67            Is Tradeable? <?php if(
    $product_info->isTrad==1) {
    echo "Yes";} else {echo "No";}
    ?>
68        </p>
69        <?php
70          if(!empty($buyer)) {
71            $url = site_url("user/
```

```
    view_user/".$product_info->
    userid);
72        echo "<p class='m_4'>
    Buyer: "."<a href='".$url
    ."'>".$buyer."</a>"."</p>";
73        echo "<p class='m_4'>
    Seller: "."<a href='".$url
    ."'>".$seller."</a>"."</p>";
74          }
75        ?>

77                        <p
    class="m_text2"><?php echo
    $product_info->description; ?>
     </p>
78                      </div>
79                      <div
    class="clear"></div>
80                      <div
    class="clients">

83        <script src="<?php echo
    base_url('assets/js/jquery.
    flexisel.js');?>"></script>
84                      </div>
85        </div><div class="clear"></
    div>
86                    </div>
87                  </div>

89              </div>
90            </div>
91          </div>
92 </div>
```

```
1 <div id="page-wrapper">
2    <div class="row">
3        <div class="col-lg-12">
4            <div class="panel
    panel-default">
5                <div class="panel
    -heading">
6                    Products <a
    href="<?php echo site_url('
    product/prior_list_advertised
    '); ?>">List view</a>
7                </div>
8                <div class="panel
    -body">
9                    <div class="
    wrap">
10    <ul class="breadcrumb
    breadcrumb__t"><a class="home"
     href="#">User</a> / <a href
    ="#">Products Management</a> /
     Products advertised </ul>
```

```php
11                      <h2 class
    ="head">Products Advertised </
    h2>
12                      <?php
13      $adv_mess = $this->session
    ->flashdata("adv_mess");
14      if (!empty($adv_mess)) {
15      echo "<div class='alert
    alert-success alert-
    dismissable '>".
16          "<button type='button'
    class='close ' data-dismiss='
    alert ' aria-hidden='true'>&
    times;</button>".
17          "$adv_mess". "</div >";
18      }
19      if (!empty($no_records)) {
20      echo "<div class='alert
    alert-success alert-
    dismissable '>".
21          "<button type='button'
    class='close ' data-dismiss='
    alert ' aria-hidden='true'>&
    times;</button>".
22          "$no_records". "</div
    >";
23      }
24      else if (empty($no_records)
    ) {
25      ?>
26                      <?php
27      $ctr = 0;
28      foreach($product_advs as
    $prod_adv) {
29          $hrefurl = "product/
    view_product_advertised /".
    $prod_adv->id;
30          if ($ctr == 0) {
31          echo "<div class='top-
    box'>";
32          }
33      ?>
34      <div class="col_1_of_3
    span_1_of_3">
35          <a href=<?php echo
    site_url($hrefurl); ?>>
36              <div class="
    inner_content clearfix">
37                  <div class="
    product_image">
38                      <img src="<?php echo
    base_url('assets/uploads/'.
    $prod_adv->image);?>" alt=""
    />
39                  </div>
40                  <div class="price">
41                      <div class="cart-left
    ">

42              <p class="title"><?
    php echo $prod_adv->name; ?></
    p>
43                      <div class="price1
    ">
44                          <span class="
    actual">P<?php echo $prod_adv
    ->price; ?></span>
45                      </div>
46                  </div>
47                  <div class="cart-
    right"> </div>
48                  <div class="clear"></
    div>
49              </div>
50          </div>
51          </a>
52      </div>
53      <?php $ctr++;
54      if ($ctr == 3) {
55      echo "<div class='clear
    '></div >";
56      echo "</div >";
57      $ctr = 0;
58      }
59      }
60      if ($ctr != 3) {
61      echo "<div class='clear
    '></div ></div >";
62      }
63      ?>
64                          </div>
65                      </div>
66                  </div>
67                  <div class="row">
68                      <div class="col-
    md-12 text-center">
69                          <?php echo
    $links; ?>
70                      </div>
71                  </div>
72              </div>
73          </div>
74 </div>
75      <?php } ?>


    Listing 80: viewowned_bought.php
1 <?php
2  if ($prod_type == 'advertised ') {
3  $prodlist_url = site_url('
    product/list_advertised ');
4  $head_str = "Products
    Advertised ";
5 }
6  else if ($prod_type == 'bought ')
    {
7  $prodlist_url = site_url('
    product_transaction/
```

187

```php
          list_bought ');
 8     $head_str = "Products Bought";
 9   }
10 ?>
11 <div id="page-wrapper">
12     <div class="row">
13         <div class="col-lg-12">
14             <div class="panel
    panel-default">
15                 <div class="panel
    -heading">
16                     Products <a
    href="<?php echo $prodlist_url
    ; ?>">List view</a>
17                 </div>
18                 <div class="panel
    -body">
19                     <div class="
    wrap">
20         <ul class="breadcrumb
    breadcrumb__t"><a class="home"
     href="#">User</a> / <a href
    ="#">Products Management</a> /
    Products bought</ul>
21                     <h2 class
    ="head"><?php echo $head_str;
    ?></h2>
22                     <?php
23         $bought_success = $this->
    session->flashdata("
    bought_success");
24         if (!empty($bought_success
    )) {
25             echo "<div class='alert
    alert-success alert-
    dismissable'>".
26             "<button type='button'
    class='close' data-dismiss='
    alert' aria-hidden='true'>&
    times;</button>".
27             "$bought_success". "</
    div>";
28         }
29         if (!empty($adv_mess)) {
30             echo "<div class='alert
    alert-success alert-
    dismissable'>".
31             "<button type='button'
    class='close' data-dismiss='
    alert' aria-hidden='true'>&
    times;</button>".
32             "$adv_mess". "</div>";
33         }
34         if (!empty($no_records)) {
35             echo "<div class='alert
    alert-success alert-
    dismissable'>".
36             "<button type='button'
    class='close' data-dismiss='
    alert' aria-hidden='true'>&
    times;</button>".
37             "$no_records". "</div
    >";
38         }
39         else {
40     ?>
41                     <?php
42     $ctr = 0;
43     $ctr2 = 0;
44     foreach($product_advs as
    $prod_adv) {
45         $hrefurl = "
    product_transaction/
    view_transaction/".$prod_adv->
    id;
46         if($ctr == 0) {
47         echo "<div class='top-
    box'>";
48         }
49     ?>
50                     <
    div class="col_1_of_3
    span_1_of_3">

    <a href=<?php echo site_url
    ($hrefurl); ?>>
        <div class="
    inner_content clearfix">
        <div class="
    product_image">
        <img src="<?php echo
    base_url('assets/uploads/'.
    $prod_images[$ctr2]);?>" alt
    ="" />
        </div>
        <div class="price">
        <div class="cart-left
    ">
        <p class="title"><?
    php echo $prod_names[$ctr2];
    ?></p>
        <div class="price1">

        </div>
        </div>
        <div class="cart-
    right"> </div>
        <div class="clear"></
    div>
        </div>
        </div>
    </a>

</div>

<?php $ctr++; $ctr2++;
```

188

```php
70          if ($ctr == 3) {
71            echo "<div class='clear
    '></div>";
72            echo "</div>";
73            $ctr = 0;
74          }
75        }
76        if ($ctr != 3) {
77          echo "<div class='clear
    '></div></div>";
78        }
79        ?>
80                </div>
81              </div>
82              <div class="row">
83                <div class="col-
    md-12 text-center">
84                  <?php echo
    $links; ?>
85                </div>
86              </div>
87          </div>
88      </div>
89 </div>
90        <?php } ?>
```

Listing 81: viewowned_sold.php

```php
1  <?php
2  if ($prod_type == 'advertised') {
3    $prodlist_url = site_url('
      product/list_advertised');
4    $head_str = "Products
      Advertised";
5  }
6  else if ($prod_type == 'bought')
      {
7    $prodlist_url = site_url('
      product_transaction/
      list_bought');
8    $head_str = "Products Bought";
9  }
10 else if ($prod_type == 'sold') {
11   $prodlist_url = site_url('
      product_transaction/
      prior_list_sold');
12   $head_str = "Products Sold";
13 }
14 ?>
15 <div id="page-wrapper">
16     <div class="row">
17         <div class="col-lg-12">
18             <div class="panel
      panel-default">
19                 <div class="panel
      -heading">
20                     Products <a
      href="<?php echo $prodlist_url
      ; ?>">List view</a>
```

```php
21          </div>
22          <div class="panel
    -body">
23                  <div class="
    wrap">
24    <ul class="breadcrumb
    breadcrumb__t"><a class="home"
     href="#">User</a> / <a href
    ="#">Products Management</a> /
     Products sold</ul>
25                     <h2 class
    ="head"><?php echo $head_str;
    ?></h2>
26                         <?php
27     $trade_approve = $this->
    session->flashdata('
    trade_approve');
28     if (!empty($trade_approve))
     {
29       echo "<div class='alert
    alert-success alert-
    dismissable'>".
30         "<button type='button'
    class='close' data-dismiss='
    alert' aria-hidden='true'>&
    times;</button>".
31         "$trade_approve". "</
    div>";
32     }
33     if (!empty($adv_mess)) {
34       echo "<div class='alert
    alert-success alert-
    dismissable'>".
35         "<button type='button'
    class='close' data-dismiss='
    alert' aria-hidden='true'>&
    times;</button>".
36         "$adv_mess". "</div>";
37     }
38     if (!empty($no_records)) {
39       echo "<div class='alert
    alert-success alert-
    dismissable'>".
40         "<button type='button'
    class='close' data-dismiss='
    alert' aria-hidden='true'>&
    times;</button>".
41         "$no_records". "</div
    >";
42     }
43     else {
44   ?>
45                         <?php
46     $ctr = 0;
47     $ctr2 = 0;
48     foreach ($product_advs as
    $prod_adv) {
49       $hrefurl = "
```

```
        product_transaction/
        view_transaction/".$prod_adv->
        id;
50          if($ctr % 3 == 0) {
51            echo "<div class='top-
        box'>";
52          }
53        ?>
54                                       <
        div class="col_1_of_3
        span_1_of_3">
55
            <a href=<?php echo site_url
        ($hrefurl); ?>>
56            <div class="
        inner_content clearfix">
57              <div class="
        product_image">
58                <img src="<?php echo
        base_url('assets/uploads/'.
        $prod_images[$ctr2]);?>" alt
        ="" />
59              </div>
60              <div class="price">
61                <div class="cart-left
        ">
62                  <p class="title"><?
        php echo $prod_names[$ctr2];
        ?></p>
63                  <div class="price1">
64                    <span class="actual
        ">P<?php echo $prod_prices[
        $ctr2]; ?></span>
65                  </div>
66                </div>
67                <div class="cart-
        right"> </div>
68                <div class="clear"></
        div>
69              </div>
70            </div>
71          </a>
72
        </div>
73                                     <?
        php $ctr++; $ctr2++;
74        if($ctr == 3) {
75          echo "<div class='clear
        '></div>";
76          echo "</div>";
77          $ctr = 0;
78        }
79        }
80        if($ctr != 3) {
81          echo "<div class='clear
        '></div></div>";
82        }
83        ?>
```

```
84                </div>
85              </div>
86            </div>
87            <div class="row">
88              <div class="col-
        md-12 text-center">
89                <?php echo
        $links; ?>
90              </div>
91            </div>
92          </div>
93        </div>
94 </div>
95        <?php } ?>
```

Listing 82: viewproduct.php

```
1  <div id="page-wrapper">
2    <div class="row">
3      <div class="col-lg-12">
4        <div class="panel
        panel-default">
5          <div class="panel
        -heading">
6            View product
7          </div>
8          <div class="panel
        -body">
9            <div class="
        wrap">
10             <ul class
        ="breadcrumb breadcrumb__t"><a
        class="home" href="#">User</a
        > / <a href="#">Products
        Management</a> / View product
        </ul>
11           <div class="cont
        span_2_of_3">
12             <div class
        ="grid images_3_of_2">
13               <ul id="etalage">
14                 <li>
15                   <a href="">
16                     <?php
17                     $file = 'assets/
        uploads/'.$product_info->image
        ;
18                     ?>
19                     <img class="
        etalage_thumb_image" src="<?
        php echo base_url($file);?>"
        class="img-responsive" />
20                     <img class="
        etalage_source_image" src="<?
        php echo base_url($file);?>"
        class="img-responsive" title
        ="" />
21                   </a>
22                 </li>
```

```
23
24          <?php
25            if ( sizeof ( $other_images )
     > 0) {
26              foreach ( $other_images
     as $other_image ) {
27                $file = 'assets/
     uploads/'. $other_image->name;
28                echo "
29                <li>
30                  <img class='
     etalage_thumb_image' src='".
     base_url( $file ) ."' class='img-
     responsive' />
31                  <img class='
     etalage_source_image' src='".
     base_url( $file ) ."' class='img-
     responsive' title='' />
32                </li>
33                ";
34              }
35            }
36          ?>
37        </ul>
38        <div class="clearfix"></
     div>
39      </div>
40                <div
     class="desc1 span_3_of_2">
41                  <h3
     class="m_3"><?php echo
     $product_info->name; ?></h3>
42      <?php
43        if ( $transaction_info->
     transaction_type == 'REGULAR')
     {
44          echo "<p class='m_4'>
     Transaction Type:REGULAR/P".
     $product_info->price."</p>";
45        }
46        else {
47          echo "<p class='m_4'>
     Transaction Type:TRADED</p>";
48        }
49      ?>
50
51      <p class="m_4">
52        Quantity:<?php echo
     $transaction_info->quantity;
     ?> <br />
53        Date of Transaction:<?php
      echo $transaction_info->
     dateTransaction; ?><br />
54        Status:<?php echo
     $transaction_info->status; ?>
55      </p>
56      <?php
57        if (!empty($buyer)) {
58          $buyer_url = site_url("
     user/view_user/". $buyer_id );
59          $seller_url = site_url("
     user/view_user/". $seller_id );
60          echo "<p class='m_4'>
     Buyer: "."<a href='".
     $buyer_url."'>". $buyer."</a
     >"."</p>";
61          echo "<p class='m_4'>
     Seller: "."<a href='".
     $seller_url."'>". $seller."</a
     >"."</p>";
62        }
63      ?>
64
65                <p
     class="m_text2"><?php echo
     $product_info->description; ?>
     </p>
66                </div>
67                <div
     class="clear"></div>
68                <div
     class="clients">
69
70
71      <script src="<?php echo
     base_url('assets/js/jquery.
     flexisel.js');?>"></script>
72                </div>
73
74
75                </div>
76    <div class="clear"></div>
77    </div>
78
79          </div>
80
81        </div>
82      </div>
83    </div>
84 </div>
```

Listing 83: viewreport.php

```
1 <div id="page-wrapper">
2    <div class="row">
3      <div class="col-lg-12">
4        <div class="panel
     panel-default">
5          <div class="panel
     -heading">
6              View report
7          </div>
8          <div class="panel
     -body">
9
10               <div class="
     wrap">
```

```
11        <ul class="breadcrumb breadcrumb__t"><a
          class="home" href="#">
          Administrator</a> / <a href
          ="#">Reports Management</a> /
          View buyer report</ul>
12          <div class="cont
          span_2_of_3">
13
14        <div class="grid
          images_3_of_2">
15          <?php
16            $file = 'assets/uploads/'.
          $report->image;
17            ?>
18          <img src="<?php echo
          base_url($file);?>" />
19
20          <div class="clearfix"></div
          >
21          </div>
22                      <div
          class="desc1 span_3_of_2">
23                      <h3
          class="m_3"><?php echo "Buyer
          Report:" ?></h3>
24                      <p
          class="m_4">
25          Reporter:<?php echo
          $reporter; ?> <br />
26          Buyer:<?php echo $buyer;
          ?> <br />
27          Date Reported:<?php echo
          $report->date_report; ?> <br
          />
28          </p>
29                      <p
          class="m_text2">Reason:<?php
          echo $report->description; ?>
          </p>
30                      </div>
31                      <div
          class="clear"></div>
32                      <div
          class="clients">
33
34
35        <script src="<?php echo
          base_url('assets/js/jquery.
          flexisel.js');?>"></script>
36                      </div>
37        </div><div class="clear"></
          div>
38                  </div>
39                </div>
40
41          </div>
42        </div>
43        </div>
44      </div>
```

Listing 84: viewsold.php

```
1  <div id="page-wrapper">
2      <div class="row">
3          <div class="col-lg-4">
4              <div class="panel
          panel-default">
5                  <div class="panel
          -heading">
6                      Products
7                  </div>
8                  <div class="panel
          -body">
9                      <div class="
          wrap">
10                         <div
          class="cont span_2_of_3">
11                         <h2
          class="head">Products sold</h2
          >
12                         <div
          class="top-box">
13                         <
          div class="col_1_of_3
          span_1_of_3">
14              <a href="single.html">
15                  <div class="
          inner_content clearfix">
16                  <div class="
          product_image">
17                      <img src="<?php
           echo base_url('assets/images/
          upmerch1.jpg');?>" alt="" />
18                  </div>
19                  <div class="sale-
          box"><span class="on_sale
          title_shop">New</span></div>
20                  <div class="price">
21                      <div class="
          cart-left">
22                         <p class="
          title">UP Merchandise</p>
23                         <div class
          ="price1">
24                             <span
```

```
25              class="actual">P300.00</span>
26                  </div>
27                </div>
28                <div class="
                cart-right"> </div>
29                <div class="
                clear"></div>
30              </div>
31            </div>
32          </a>
33        </div>
34        <div class="col_1_of_3
          span_1_of_3">
35          <a href="single.html">
36            <div class="
            inner_content clearfix">
37              <div class="
              product_image">
38                <img src="<?php
                echo base_url('assets/images/
                upmerch2.jpg');?>" alt="" />
39              </div>
40              <div class="sale-
              box"><span class="on_sale
              title_shop">New</span></div>
41              <div class="price">
42                <div class="
                cart-left">
43                  <p class="
                  title">UP Merchandise</p>
44                  <div class
                  ="price1">
45                    <span
                    class="actual">P300.00</span>
46                  </div>
47                </div>
48                <div class="
                cart-right"> </div>
49                <div class="
                clear"></div>
50              </div>
51            </div>
52          </a>
53        </div>
54        <div class="col_1_of_3
          span_1_of_3">
55          <a href="single.html">
56            <div class="
            inner_content clearfix">
57              <div class="
              product_image">
58                <img src="<?php
                echo base_url('assets/images/
                upmerch3.jpg');?>" alt="" />
59              </div>
60              <div class="sale-
              box"><span class="on_sale
              title_shop">New</span></div>
61              <div class="price">
62                <div class="
                cart-left">
63                  <p class="
                  title">UP Merchandise</p>
64                  <div class
                  ="price1">
65                    <span
                    class="actual">P300.00</span>
66                  </div>
67                </div>
68                <div class="
                cart-right"> </div>
                <div class="
```

```html
                clear"></div>
69              </div>
70              </div>
71          </a>
72      </div>
73      <div class="clear"></div>
74              </div>
75              <div class="top-box">
76              <div class="col_1_of_3 span_1_of_3">
77          <a href="single.html">
78              <div class="inner_content clearfix">
79                  <div class="product_image">
80                  <img src="<?php echo base_url('assets/images/upmerch4.jpg');?>" alt="" />
81                  </div>
82                  <div class="sale-box"><span class="on_sale title_shop">New</span></div>
83                  <div class="price">
84                  <div class="cart-left">
85                  <p class="title">UP Merchandise</p>
86                  <div class="price1">
87                  <span class="actual">P300.00</span>
88                  </div>
89                  </div>
90                  <div class="cart-right"> </div>
91
92              <div class="clear"></div>
93              </div>
94          </div>
95      </a>
96  </div>
97          <div class="col_1_of_3 span_1_of_3">
98          <a href="single.html">
99          <div class="inner_content clearfix">
100             <div class="product_image">
101             <img src="<?php echo base_url('assets/images/upmerch5.jpg');?>" alt="" />
102             </div>
103             <div class="sale-box"><span class="on_sale title_shop">New</span></div>
104             <div class="price">
105             <div class="cart-left">
106             <p class="title">UP Merchandise</p>
107             <div class="price1">
108             <span class="actual">P300.00</span>
109             </div>
110             </div>
111             <div class="cart-right"> </div>
112             <div class="clear"></div>
113             </div>
```

194

```
114          </div>
115        </a>
116      </div>
             <div class="col_1_of_3 span_1_of_3">
117          <a href="single.html">
118            <div class="inner_content clearfix">
119              <div class="product_image">
120                <img src="<?php echo base_url('assets/images/upmerch6.jpg');?>" alt="" />
121              </div>
122              <div class="sale-box"><span class="on_sale title_shop">New</span></div>
123              <div class="price">
124                <div class="cart-left">
125                  <p class="title">UP Merchandise</p>
126                  <div class="price1">
127                    <span class="actual">P300.00</span>
128                  </div>
129                </div>
130                <div class="cart-right"> </div>
131                <div class="clear"></div>
132              </div>
133            </div>
134          </a>
135        </div>
136            <div class="clear"></div>
137          </div>
138          <div class="top-box1">
139            <div class="col_1_of_3 span_1_of_3">
140              <a href="single.html">
141                <div class="inner_content clearfix">
142                  <div class="product_image">
143                    <img src="<?php echo base_url('assets/images/upmerch7.jpg');?>" alt="" />
144                  </div>
145                  <div class="sale-box"><span class="on_sale title_shop">New</span></div>
146                  <div class="price">
147                    <div class="cart-left">
148                      <p class="title">UP Merchandise</p>
149                      <div class="price1">
150                        <span class="actual">P300.00</span>
151                      </div>
152                    </div>
153                    <div class="cart-right"> </div>
154                    <div class="clear"></div>
155                  </div>
156                </div>
157              </a>
158
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159        </div>

160    div class="col_1_of_3
       span_1_of_3">

161        <a href="single.html">

162            <div class="
       inner_content clearfix">

163                <div class="
       product_image">

164                    <img src="<?php
       echo base_url('assets/images/
       upmerch8.jpg');?>" alt="" />

165                </div>

166                <div class="sale−
       box"><span class="on_sale
       title_shop">New</span></div>

167                <div class="price">

168                    <div class="
       cart−left">

169                        <p class="
       title">UP Merchandise</p>

170                        <div class
       ="price1">

171                            <span
       class="actual">P300.00</span>

172                        </div>

173                    </div>

174                    <div class="
       cart−right"> </div>

175                    <div class="
       clear"></div>

176                </div>

177            </div>

178        </a>

179    </div>

180    div class="col_1_of_3
       span_1_of_3">

181        <a href="single.html">

182            <div class="
       inner_content clearfix">

183                <div class="
       product_image">

184                    <img src="<?php
       echo base_url('assets/images/
       upmerch9.jpg');?>" alt="" />

185                </div>

186                <div class="sale−
       box"><span class="on_sale
       title_shop">New</span></div>

187                <div class="price">

188                    <div class="
       cart−left">

189                        <p class="
       title">UP Merchandise</p>

190                        <div class
       ="price1">

191                            <span
       class="actual">P300.00</span>

192                        </div>

193                    </div>

194                    <div class="
       cart−right"> </div>

195                    <div class="
       clear"></div>

196                </div>

197            </div>

198        </a>

199    </div>

200                        <
       div class="clear"></div>
                            </div
       >

201                </div>
202            </div>
203        </div>
204    </div>
205    </div>
```

206   </div>   207 </div>

XI.   Acknowledgement

Okay, so deadline na ng SP Docs bukas kaya mapipilitan akong gawin to ngayon. At habang ginagawa ko to eh ni rurun ko tong MP ko sa Machine Learning at inaayos ang MP ko sa Computer Graphics.. Haaysss..

Anyway, hindi pa rin ako makapaniwala na gagraduate na ako (Gagraduate na nga ba? Haha assume ko na lang na gagraduate na ako LOL). Grabe sobrang bilis ng four years. Parang kahapon lang nalaman ko yung UPCAT results tapos next next next week eh graduation ko na haha. Ang saya and at the same time, ang lungkot din.. lol

Marami akong gustong pasalamatan sa four years na stay ko dito sa UPM, lalong lalo na sa mga taong tumulong sakin sa SP ko. Pero syempre, una sa lahat, nagpapasalamat ako sa Diyos. Wala ako ngayon dito sa mundong ito kung hindi dahil sa inyo, Lord hehe. Susundin ko lang ang kagustuhan ninyo sa kung ano man ang magiging trabaho ko after nito. Cliche man pakinggan, pero sobrang naniniwala ako sa "Just do your best and God will do the rest."

Ikalawa nagpapasalamat ako sa pamilya ko. Sa mga magulang ko na laging nandyan at handang sumuporta sa lahat ng gawain ko. Ma at Pa, alam kong hindi niyo to mababasa, pero wala lang, alabyu! Para sa inyo po ang lahat ng ito. Nagpapasalamat na din ako sa mga kapatid ko na kahit iniinggit ako kapag matutulog na o kapag aalis eh marunong pa rin naman silang mangamusta hehe.

Ikatlo nagpapasalamat ako sa mga prof ko. Lalo na sa adviser ko, kay Maam Perl. Thank you Maam sa pagtulong niyo sa akin na ayusin tong SP ko, lalo na sa pagtulong niyo sa akin nung time na ginigisa ako ng ibang prof nung proposal at defense ko haha. Kung hindi dahil sa inyo, baka hindi ako gagraduate ngayon. Kaya thank you so much Maam! Pati na din sa iba kong prof lalo na kanila Sir Neil, Sir Marohn, Sir Edan, na hindi lang acads ang itinuro sa akin kundi ibat ibang lessons na din sa buhay hehe

Ikaapat nagpapasalamat ako sa mga kaibigan ko lalo na sa Green Hornits (G.H.) hehe, pati na rin sa ilang Smokeys. Grabe GH, sa lahat ng mga MP at group

projects eh parang tayo tayo lang din ata yung mga naging magkakagrupo hahaha! Naniniwala naman ako na after neto eh magkakaibigan pa rin tayo :)) Kaya salamat sa inyo Jesh, Renzo, Marquee, Nathan, Aky, Kit. Salamat sa bonding moments, yung mga heart to heart talk lol, tawanan pati iyakan haha. Salamat na din kanila AD, Raffy, Chester, Rain, Cristine at buong block 12 haha. Mahirap ang buhay ng maging ComSci kapag walang laptop, kaya lubos akong nagpapasalamat sa inyong nagpahiram sakin ng mga laptop ninyo para matapos ko tong SP ko, pati yung mga MP's at exercises sa mga subjects hehe.

At huli sa lahat nagpapasalamat ako sa iyo, UP. Maraming salamat sa apat na taon na pang totorture at paghihirap na ipinaranas mo sakin. Pumasok ako ng UP ng mahina, lalabas akong malakas (lol); pumasok akong walang muwang, lalabas akong puno ng kaalaman; pumasok akong walang pakialam, lalabas akong nangingialam sa mga nangyayari sa paligid ko. Hindi lang JAVA, C, Database, Differentiation at Integration ang itinuro mo sakin, dahil itinuro mo rin kung pano pangahalagahan ang kaalaman, kung pano magmahal ng kapwa, at kung pano mahalin ang bayan. Kaya ipinapangako ko sayo UP, hindi kita bibiguin :))

#IskolarNgBayanParaSaBayan