

“Master Cakery – online cake store”

[IT-351]

A Summer Project Report submitted in the partial fulfillment of the requirement for the degree of
Bachelor in information management awarded by Tribhuvan University

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Submitted To:
TRIBHUVAN UNIVERSITY
Faculty of management

STUDENT DECLARATION

This is to certify that I have completed the Summer Project entitled “**Master Cakery – online cake store**” under the guidance of “**Bal Krishna Subedi**” in partial fulfillment of the requirements for the degree of **Bachelor of Information Management** at Faculty of Management, Tribhuvan University. This is my original work and I have not submitted it earlier elsewhere.

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CERTIFICATE OF APPROVAL

This is to certify that the summer project entitled “**Master Cakery – online cake store**” under the guidance of “**Bal Krishna Subedi**” is an academic work done by “**Nimesh Pokharel**” submitted in the partial fulfillment of the requirements for the degree of **Bachelor of Information Management** at Faculty of Management, Tribhuvan University under my guidance and supervision. To the best of my knowledge, the information presented by him/her in the summer project report has not been submitted earlier.

Bal Krishna Subedi
Supervisor/Lecturer
St Xavier's College

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At the end, I would like to express my sincere thanks to all my friends who helped me directly or indirectly during this project work.

Nimesh Pokharel

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EXECUTIVE SUMMARY

Online buying and selling in Nepal has increased a lot over the last few years. People are more and more interested in doing everything online. There are lot of website that provides transactions such as transactions of clothes, cars, second hand goods, etc. However the number of websites engaged in selling cakes and bakery items are very minimal. Many people use only social websites such as Facebook and Instagram as the medium of digital marketing, But the use of a website to sell and buy cakes is very low. Hence, this site will help the customers to buy the bakery items with ease and fun. It will attract the interest of customers towards the product as it will include the proper description of a product with appropriate price, quality and brand. It will be a destination for those people who have tight schedule and are busy with daily work. It will be an easy way to buy the goods for their busy life.

This website will be able to promote online business and marketing. Users will be able to search and buy bakery items of their liking. They will be able to order cakes of their wish and desire, exactly how they want it to be. This website will help to save time and all the hard work that is needed to visit various shops and outlets. Users will be able to select the best alternative among various types of goods according to their budget and convenience. The website will also be able to provide various information regarding the quality of the products, how they are made etc. Various reviews given by the existing customer and past customer are also available from which the future customer can be benefited. As compared to previous, the payment for the goods can not only be booked online but at the time of arrival too. This website also aims to develop the use of e-marketing and the use of electronic currency through various online payment portals.

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CHAPTER 1- INTRODUCTION

1.1 BACKGROUND

Master Cakery will be able to promote online business and marketing. Users will be able to search and buy bakery items of their liking. They will be able to order cakes of their wish and desire, exactly how they want it to be. This website will help to save time and all the hard work that is needed to visit various shops and outlets. Users will be able to select the best alternative among various types of goods according to their budget and convenience. The website will also be able to provide various information regarding the quality of the products, how they are made etc. Various reviews given by the existing customer and past customer are also available from which the future customer can be benefited. As compared to previous, the payment for the goods can not only be booked online but at the time of arrival too. This website also aims to develop the use of e-marketing and the use of electronic currency through various online payment portals.

1.2 PROBLEM STATEMENT

The currently existing challenges faced in the Agriculture sector are include the following:

- ❖ People are unaware about availability of such sites
- ❖ Trust issues about the price, quality and brand of the product
- ❖ Time consuming and stressful to go to market
- ❖ Sites include product of only one brand which doesn't give them various choices.
- ❖ Difficulty for the delivery of the product to the right place.

1.3 OBJECTIVES

GENERAL OBJECTIVES

- The main objective of developing the website to simplify the effort of people to go to the market to purchase the goods.
- Launch communication/marketing campaigns to let know that such sites exists.
- To make the best use of customers valuable time.

SPECIFIC OBJECTIVES

- Wider range of product (more than 2 brands of product).
- This website includes login system which will help people to login to their specific account for interacting activities.
- The method of payment will be cash on delivery.
- There will be a variety of items classified in terms of various factors such as birthday cakes, wedding cakes, anniversary cakes, etc.

1.4 FEATURES OF THE PROJECT

- ❖ Online marketplace for multiple customers in single platform.
- ❖ Each and every customers have their unique profile.
- ❖ Admin can manage users and make additions and customizations to the marketplace through the powerful admin dashboard.

1.5 REQUIREMENT ANALYSIS

Requirement analysis is one of the initial tasks performed in software projects. It is usually comprised of studying the existing system, data collection, hardware requirement and software requirement.

1.5.1 EXISTING SYSTEM

Urban Girls Cakes (UG Cakes)

UG Cakes was co-founded by young entrepreneur Nikita Acharya who started her business at the young age of 19 who believed in making her dream a reality. UG cakes are famous for their eye catching beautiful cakes and other bakery items. They started with a low budget of 20,000 and now they are one of the country's top most bakers. In any party venue, birthdays, and other occasional celebration their baked items are preferred by many.

Chefs Bakery and Confectionary

Chef's bakery was founded by two entrepreneurs brothers Krishna Pd. Sapkota and Ram Sapkota in 2068 B.S. Chef's bakery was established to meet the increasing demand of bakery items in the valley. It highly focuses on quality along with taste than quantity. Being one of the Head Chefs of a renowned hotel in the nation, Owner Ram Sapkota uses the best of the best products in making their products. As of now, there are two outlets inside the capital; New Baneshwor and Lokanthali.

1.5.2 SYSTEM REQUIREMENT SPECIFICATION

The System Requirements Specification (SRS) is a document describes all data, functional and behavioral requirements of the software under production or development.

Functional Requirements

- User Registration:** Registration is open to all visitors to Master Cakery Online. Users can register to Master Cakery Online by filling the necessary information in the registration tab. User then selects an appropriate Login credentials (username and password) to access his profile.

b. User Function: There are two types of users: Admin and Customers. Both users have full access to features of Master Cakery.

c. User Profile: Master Cakery allows the registered users to access their own personal dashboard i.e. Admin dashboard and Customers.

d. Sign Out: User can log out of the system after finishing using the web application.

- **Non Functional Requirements**

- a. User Friendly**

- The term user-friendly is self-explanatory. When something is user-friendly, it is easy to access and work with. Master Cakery is user friendly. Visitors or Users with basic knowledge and skills of computer can easily use the web application. Master Cakery uses a simplified design and navigation, as well as simple language on the content to improve the user friendliness of the web application. User friendliness helps the web application to improve and increase the amount of visitors who use the web application.

- b. Easy Access**

- Master Cakery is web application. Thus, it can be accessed anytime from anywhere with an Internet Connection. This overcomes the geo-boundary and concurs with “Go beyond Borders”.

- c. Responsive**

- Master Cakery is responsive; it uses Bootstrap, which improves the responsiveness of the web application. Since it uses Bootstrap, it also concurs the mobile-first technology which would enhance the functionality of web application in mobile devices. This nature could prove to be extremely beneficial to people living in areas with limited access to computers.

1.6 FEASIBILITY ANALYSIS

Feasibility analysis, in simple words is an analysis and evaluation of a proposed project to ensure if it is technically, economically and operationally feasible. It is a study of the viability of an idea. It focuses on answering the essential question of “should this proposed project idea be proceed?”

1.6.1 TECHNICAL FEASIBILITY

The technical issue usually raised during the feasibility stage of the investigation includes the following:

- ❖ Does the necessary technology exist to do what is suggested?
- ❖ Will the proposed application provides adequate response to inquiries and provides information to the users?
- ❖ Are there technical guarantees of accuracy, reliability, ease of access?

The project developed is technically feasible. The application is built in Open cart platform using modules and templates and can be installed and used on Web servers.

1.6.2 ECONOMIC FEASIBILITY

All the platforms used to develop the application are open source. All the application software is freely available on the internet. The software was installed by downloading from website. Developing this application is economically feasible as there are no extra or overhead costs that could arise during the development of the project and even after its development.

1.6.3 OPERATIONAL FEASIBILITY

Operational feasibility is a measure of how well a proposed system solves the problems, and takes advantage of the opportunities identified during the definition and how it satisfies the requirements identified in the requirements analysis phase of the system development. To ensure success, desired operational outcomes must be imparted during the design and development. Feasibility of the project is analyzed in order to determine the effectiveness and efficiency of the system. The user interface designed for this system is user friendly. So, the project is operationally feasible.

1.6.4 LEGAL FEASIBILITY

The legal feasibility assessment determines whether the proposed system conflicts the legal requirements, e.g. a data processing system must comply with the local data protection regulations. This application will not violate any rules and regulations that might be applicable to it.

1.7 LITERATURE REVIEW

Who doesn't love the smell of fresh bread? Is there a better diet-busting indulgence? Probably not. The bakery industry is a huge business that caters to people's weaknesses for tasty breads, cakes, pies and sweet rolls. According to the American Bakers Association, bakery products make up 2.1 percent of the gross domestic product of the United States. The baking industry generates more than \$30 billion in revenue each year. The industry includes 6,000 retail bakeries and nearly 3,000 commercial bakeries. While the market of small bakery retailers is highly fragmented, three producers (Gru Retail bakeries generate around \$3 billion in revenues, and commercial bakeries sell \$31 billion in products. However, profits are not particularly high because of the rising costs of wheat and sugar. Bakeries are not always able to pass on these increased costs to consumers by raising prices. Sixty-five percent of all bakeries have less than 10 employees; 44 percent have one to four employees, and most small retailers only have one facility. Grupo Bimbo, Flowers Foods and Campbell Soup Co.) Account for 55 percent of total commercial bakery revenue.

Modern technology has enabled entrepreneurs to do their work from almost anywhere. In fact, many companies operate in a wholly digital environment, lowering overhead costs and offering freedom to entrepreneurs who want to conduct business on the move. Creating an online

business is simply a matter of focusing on your strengths and expanding your network. Unlike a regular brick and mortar store, an Ecommerce store stays up and running 24/7. Customers can get online and buy products at any time of the day. There are many benefits that ecommerce gives businesses. As we all know that physical retail is run by branding and relationships. But, online retail is also driving by traffic that comes from search engines. For customers, it is not very so common to follow a link in the search engine results and land up on an ecommerce website that they never heard of. The main problem of having a physical store is that the service is limited by the difficult topology of Nepal. With an e-commerce website, the whole country is the playground. With e-commerce business, the suppliers can decrease the cost of managing their inventory of goods that they can automate the inventory management using web-based management system. In Nepal large part of the population have little knowledge of using technology so an interface that is easy and attractive is needed to be able to access the larger part of the country. Websites are easy to use and using latest tools for web designing an interface that is easy to use can be developed.

“Master Cakery- online cake store” is aimed at developing a complete web application for bakery stores which will allow the customer to be involved in the process of buying of quality bakery items from favored bakers. Being a developing country a huge population of Nepal is slowly being indulged in the activity of online shopping for various kinds of goods. Similarly, the concept of online cake store will help to inaugurate a different concept in online shopping. This will help to maintain and develop the trend of the growing online business in the country and will also help to motivate and promote local bakeries and manufacturers from small to large scale. Thus in order to cast the light on the development of e-market and solving the issues of time management, I came with a proposal to develop a web application to facilitate online purchase and selling of cakes and other bakery items through simple means following all the necessary system.

During the research, I found some other websites as a reference that provide similar types of services. Some of the similar websites and facts are:

- According to IBISWorld, firms within this industry manufacture fresh and frozen bread and baked goods, including cakes, muffins and croissants but excluding cookies and crackers. Retail and commercial establishments sell these products to downstream supermarkets, convenience stores and food-service providers. Many bakeries also sell their products directly to the public.
- As the economy recovers and disposable income increases, revenue is expected to grow at an average annual rate of 0.6% within the next five years to \$39.9 billion. Consumers are expected to continue to trend toward health eating and increase demand for items like fortified breads, gluten-free loaves and sprouted and organic sweets.
- Industry profitability will slightly improve over the next five years as the cost of primary ingredients stabilizes. During the next five years, bakers will more easily anticipate price fluctuations and adjust product prices as the cost of ingredients continues to rise. One boon to profitability will be an annualized 1% decrease in wheat prices over the next five years. Merger and acquisition activity is expected to further enhance earnings and productivity.
- External competition has increased over the past five years and imports will continue to grow at an annualized rate of 7.1%. However, growing demand for this product outside of the country will increase exports by 9.8% per year over the next five years. (IBISWorld, 2017)

Some of the renowned local bakery having online store are:

Urban Girls Cakes UG Cakes)

UG Cakes was co-founded by young entrepreneur Nikita Acharya who started her business at the young age of 19 who believed in making her dream a reality. UG cakes are famous for their eye catching beautiful cakes and other bakery items. They started with a low budget of 20,000 and now they are one of the country's top most bakers. In any party venue, birthdays, and other occasional celebration their baked items are preferred by many.

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CHAPTER 2- SYSTEM DEVELOPMENT

2.1 PROJECT MANAGEMENT TOOLS & STRATEGY

Project management can be defined as the process of applying knowledge, skills, tools as well as techniques to project activities to meet the project requirements. According to Project Management Institute's "A Guide to the Project Management Body of Knowledge", project management processes can be categorized into five groups- initiating, planning, executing, monitoring and controlling and closing.

2.1.1 DEVELOPMENT MODEL

The development models are the various processes or methodologies that are being selected for the development of the project depending on the project's aims and goals. For this project, waterfall model suits the best as all of the activities are planned and scheduled before the starting of the project.

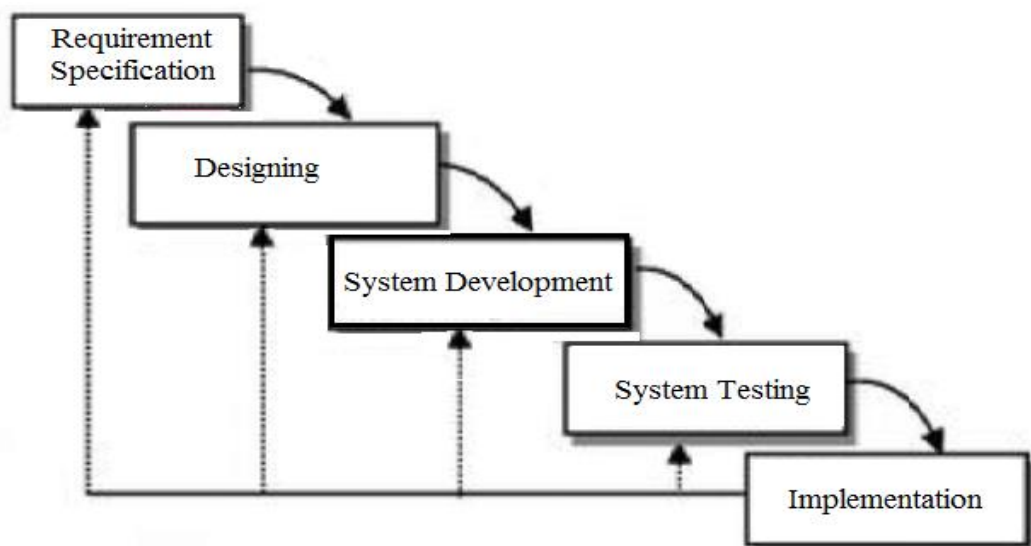


Figure 1: Waterfall model

The Waterfall Model is very simple to understand and use. In a waterfall model, each phase must be completed fully before the next phase can begin. This type of software development model is basically used for the project which is small and there are no uncertain requirements. (TryQA) The waterfall model is best for very simple projects where requirements are guaranteed to remain stable.

At the end of each phase, a review takes place to determine if the project is on the right path and whether or not to continue or discard the project. In this model software testing starts only after the development is complete. In waterfall model phases do not overlap. Once the product is ready then only it can be demonstrated to the end users.

2.2 SYSTEM DEVELOPMENT TOOLS

To implement the project, some open source tools have been used such as HTML, CSS, JavaScript and PHP. Apache is used as a web server. MySQL is used as database server.

- PHP -PHP is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML.
- CSS-Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language.
- Bootstrap- Bootstrap is a free collection of tools for creating websites and web applications. It contains HTML and CSS-based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions.
- HTML- HTML is a markup language for describing web documents (web pages). HTML stands for Hyper Text Markup Language. A markup language is a set of markup tags. HTML documents are described by HTML tags. Each HTML tag describes different document content.
- Java Script- JavaScript is the programming language of HTML and the Web.
- Net Beans- Net Beans is a Java-based integrated development environment (IDE). The term also refers to the IDE's underlying application platform framework.

2.3 SYSTEM DESIGN

System design is a process of creating or altering systems along with the processes, practices, models and methodologies that can be used to develop them. The main objective of the detailed system design is to prepare a blueprint of a system that meets the goals of the conceptual system design requirements.

The system design used for building this project include system architecture, system flowchart, context diagram, DFD (Data Flow Diagram), use case diagram, sequence diagram, class diagram, activity diagram, schema diagram, ER (Entity Relationship) diagram. The diagrams are shown and represented in further below.

2.3.1 ER Diagram

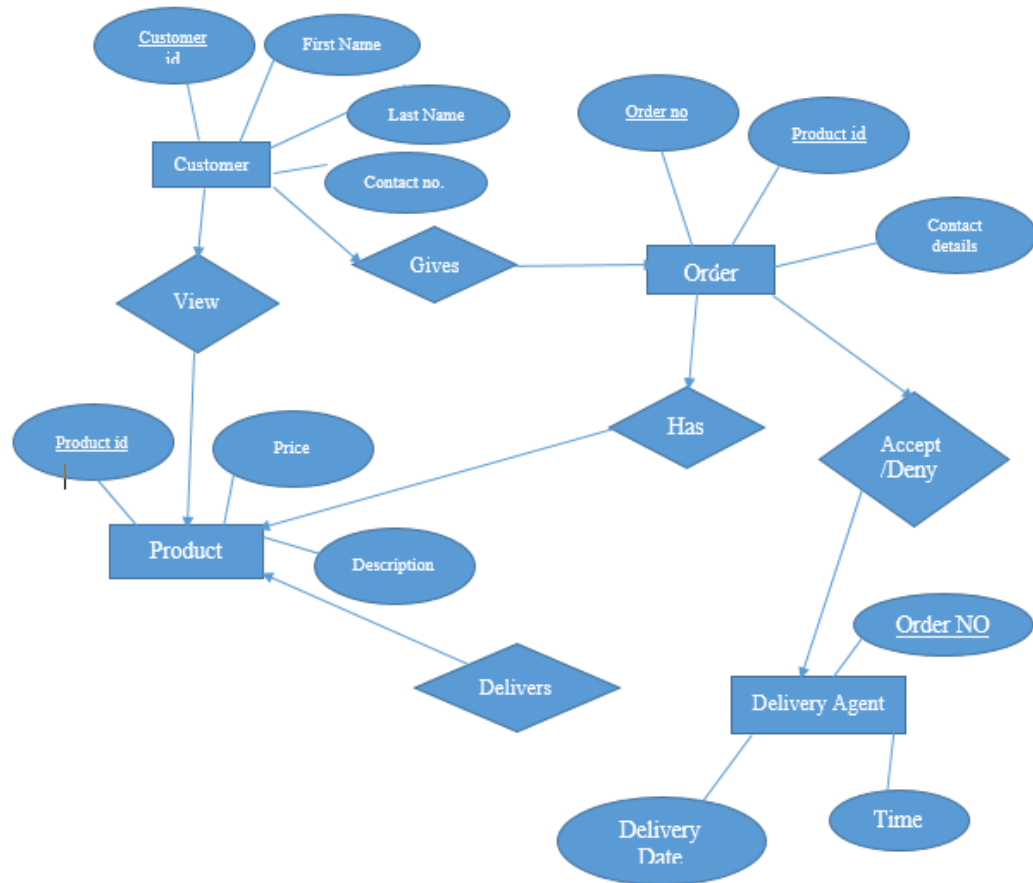


Figure 2- ER Diagram

The above ER diagram shows the relation between the various entities of the system along with their attributes. In the figure we can see that customer order the products by viewing various options to choose from and delivery agent either accepts or deny the order.

2.3.2 Data Flow Diagram

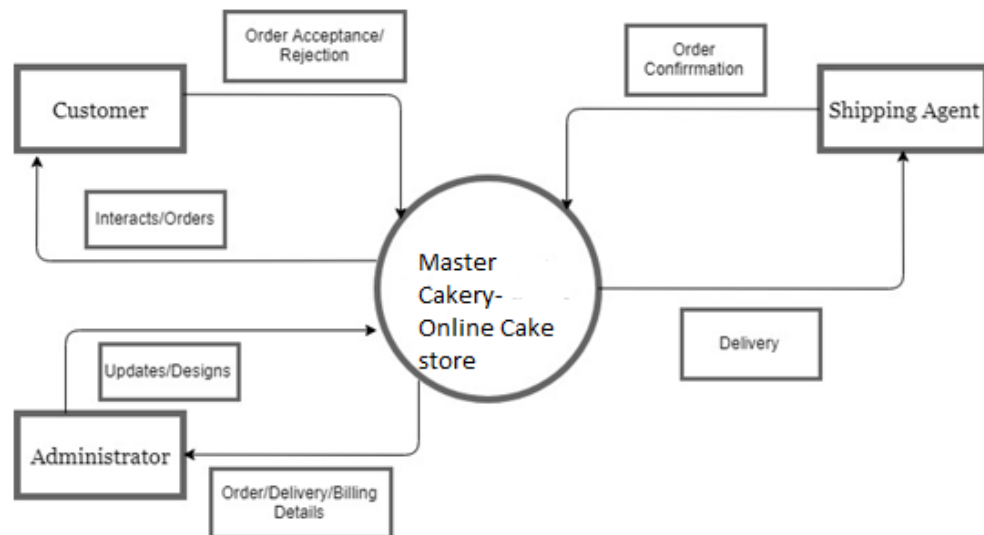


Figure 3- Data Flow Diagram

The above diagram shows data flow diagram. It consists of associated features or attributes on the system such as customer, shipping agent and administration.

2.3.3 SYSTEM FLOWCHART

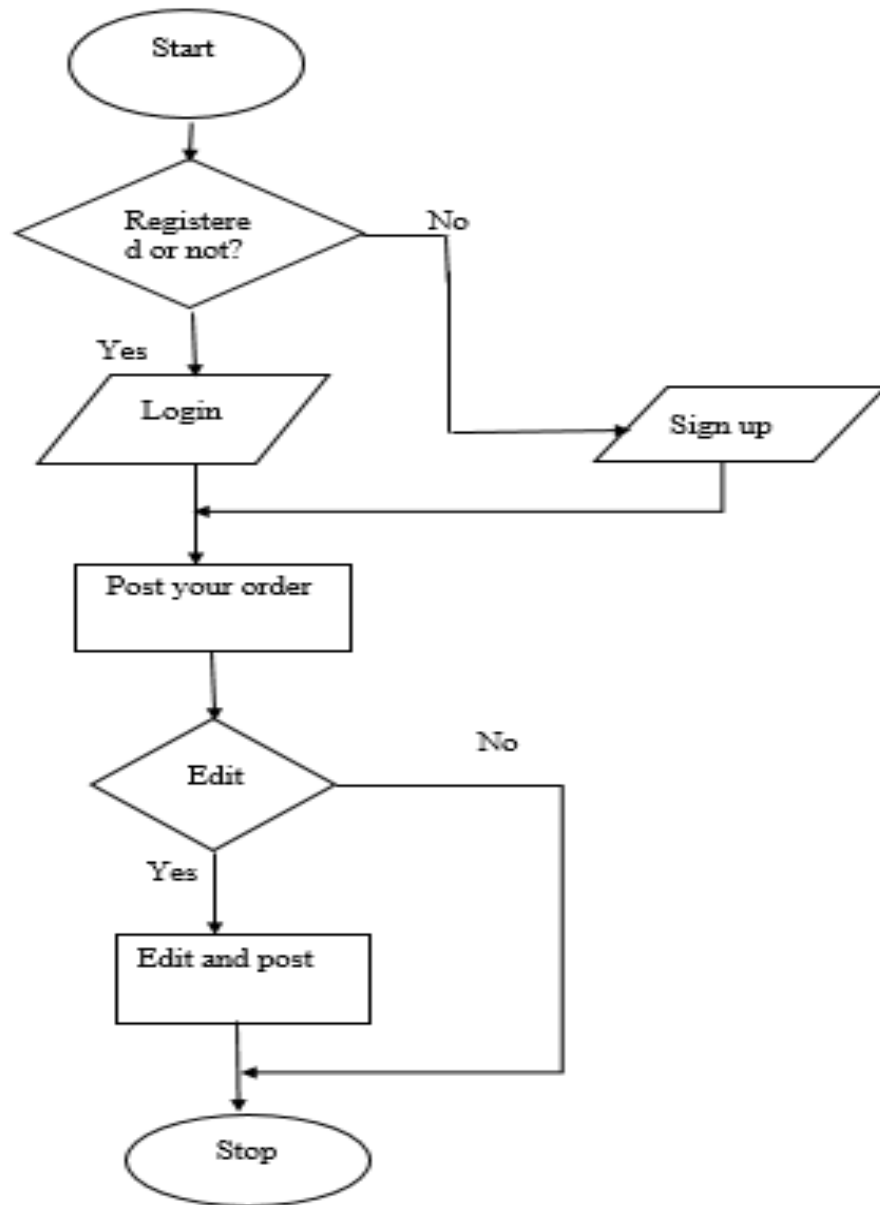


Figure 4 System Flowchart

The above diagram represent the system flowchart of Master Cakery. In the figure we can see that customer needs to register their account in order to provide the request for orders.

2.3.4 Sequence Diagram

Sequence diagram is also part of UML and used to model the interaction between the actors and objects within a system. It shows the sequence of interaction that takes place during the particular use case of that instances. Object and actors involved in the system are listed along the top of the diagram. Interaction between the object are indicated by annotated arrows.

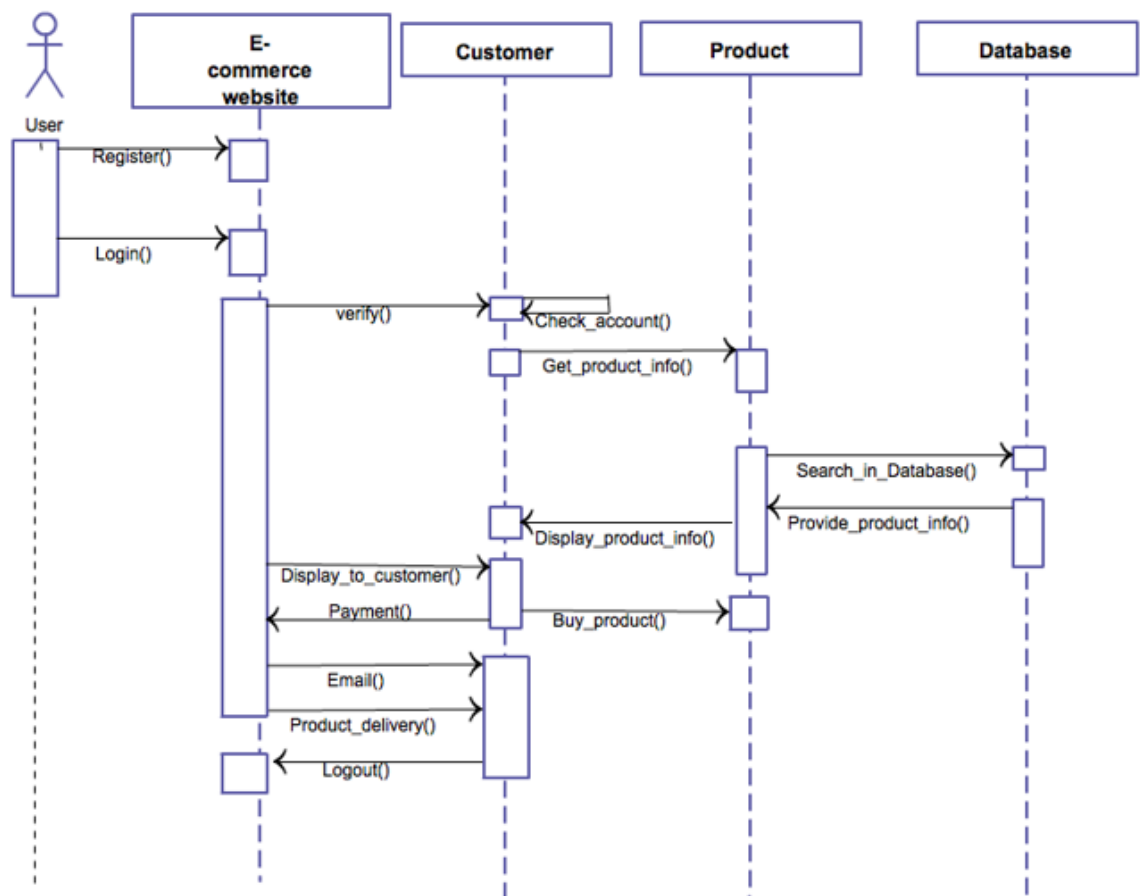


Figure 2 Sequence Diagram

The above figure represents sequence diagram of Master Cakery. It provides the simple view of how the primary process operates over time.

2.3.5 State Diagram

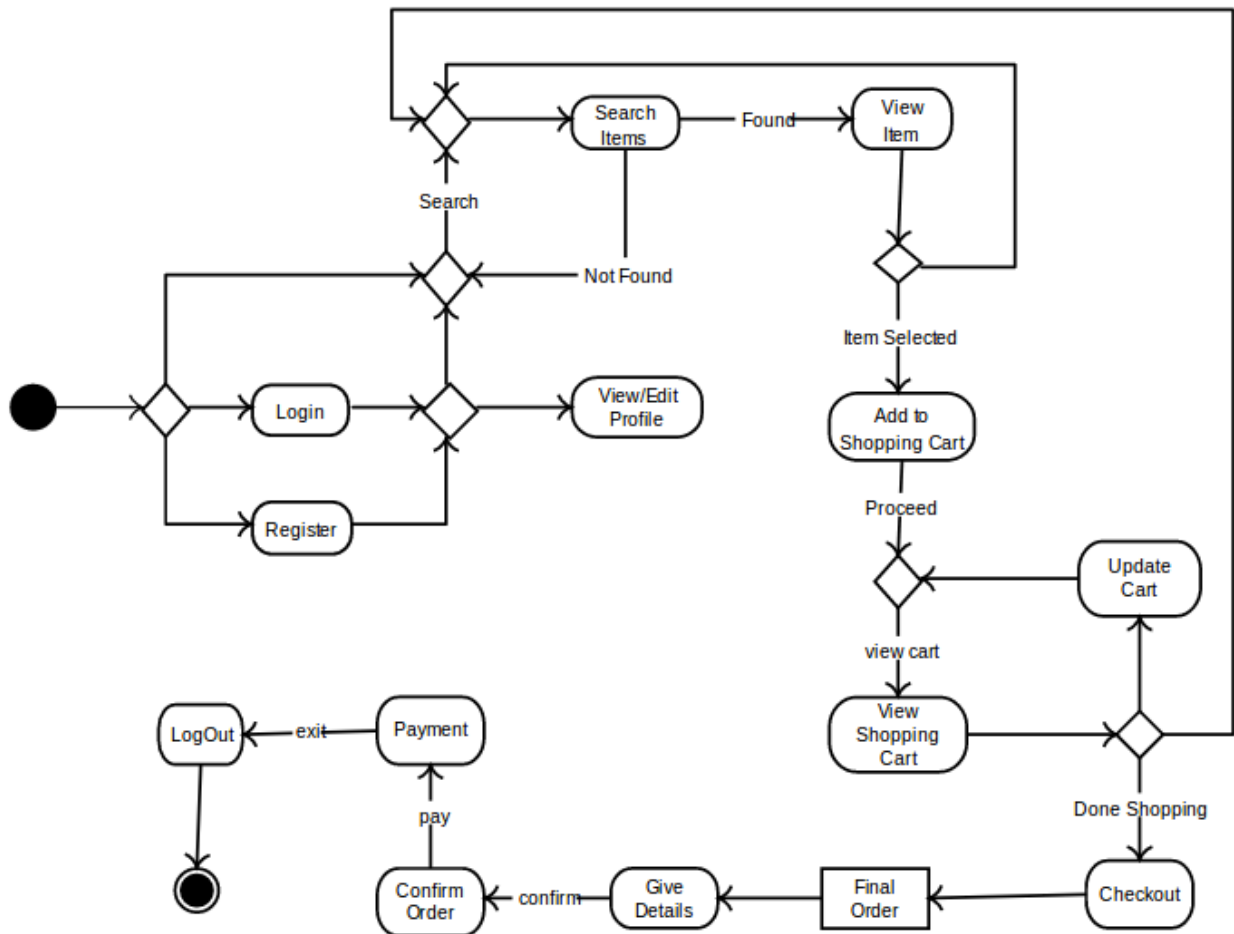


Figure 1 State Diagram

The above figure represents state diagram of Master Cakery where it begins with a dark circle that indicates the initial state and ends with a bordered circle that denotes final state.

2.3.6 Use Case Diagram

Use case diagram is use to support the interaction model. Each use case represent discrete task that involve external interaction with the system. Actors in use case may be peoples or components of other system.it is represented diagrammatically to provide an overview of use case in detailed textual form.

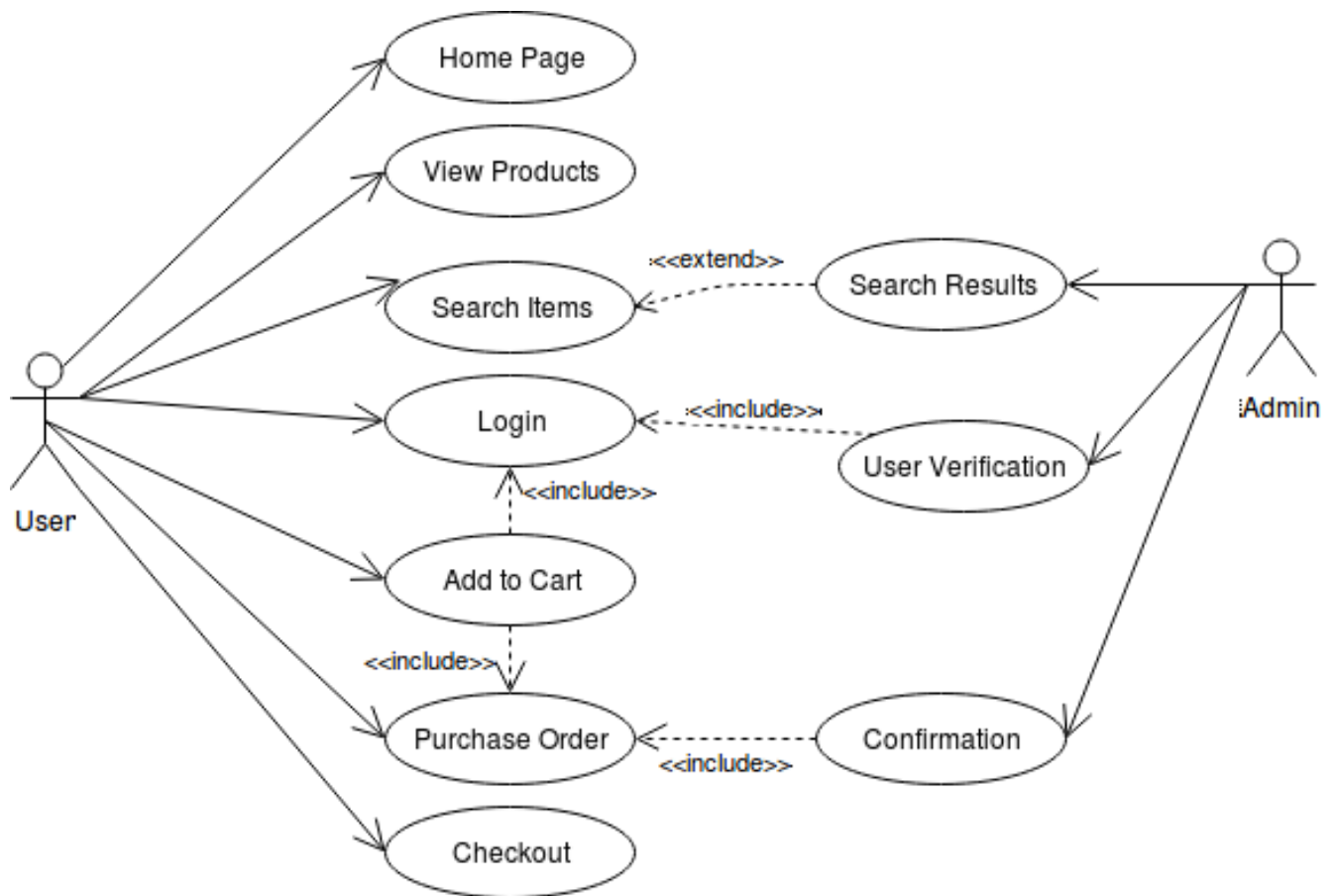


Figure Use Case Diagram

2.3.7 Schema Diagram

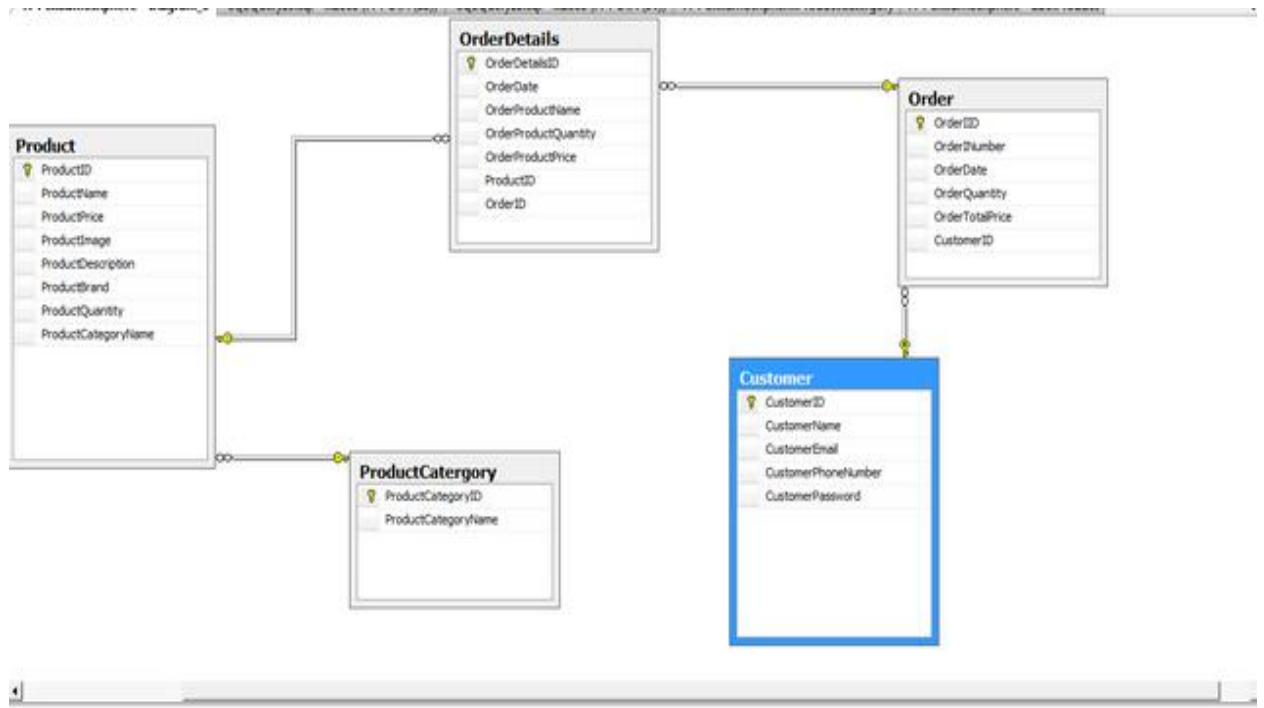


Figure schema diagram

2.3.8 Activity Diagram

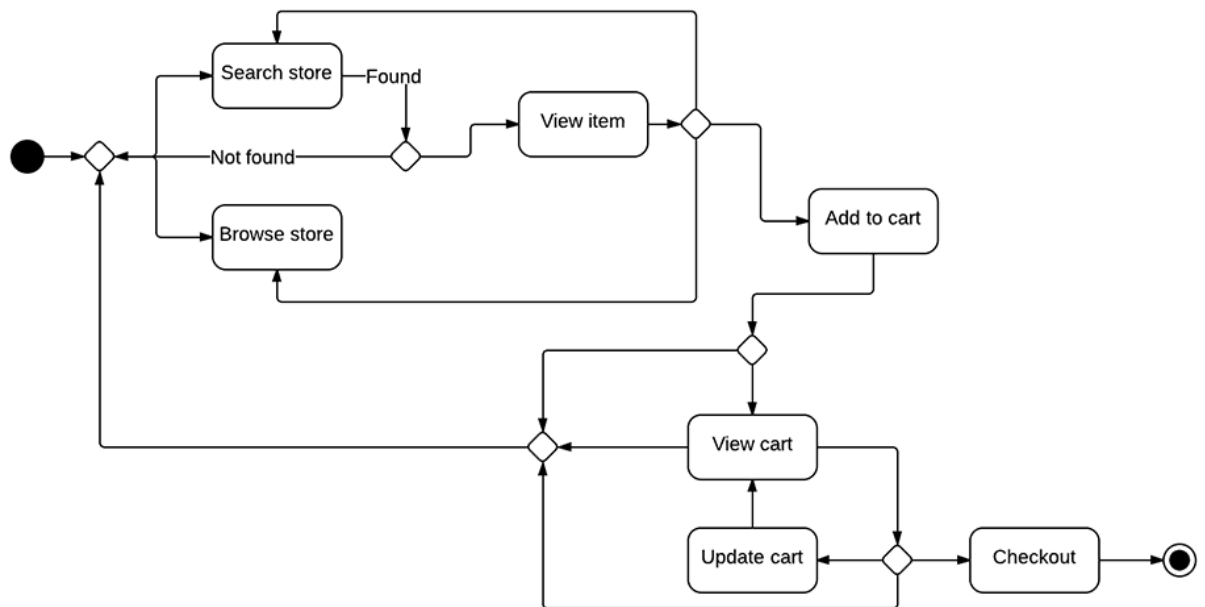


Figure Activity Diagram

The above diagram represents activity diagram that shows the process of logging into a website and browse products.

2.4 Project Schedule

2.4.1 Gantt chart

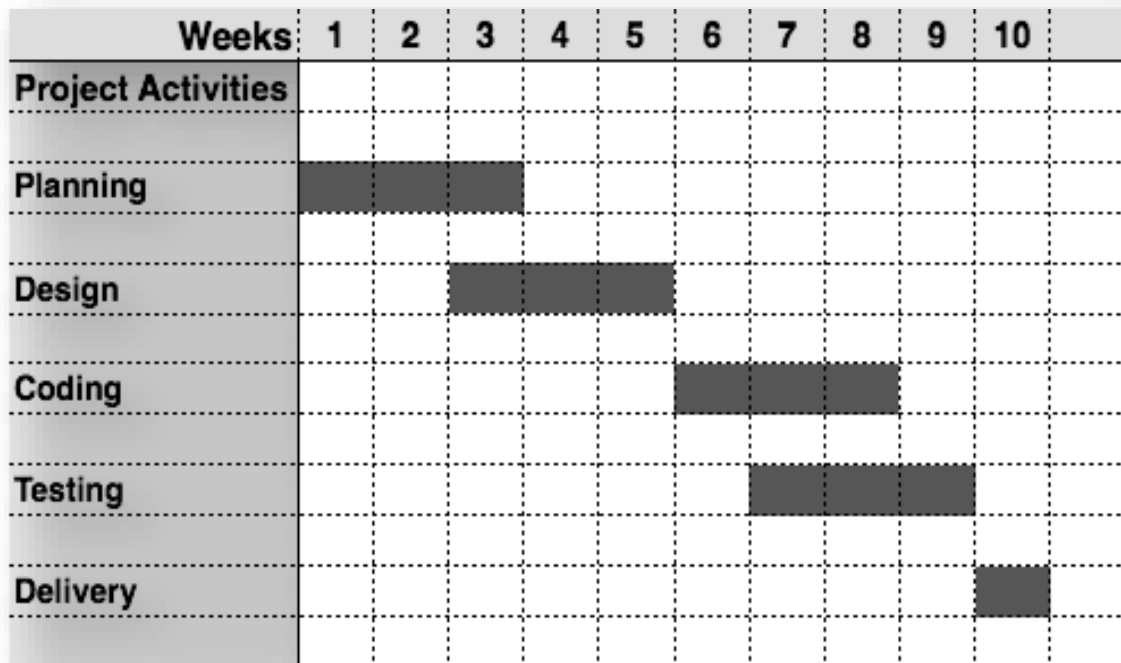


Figure Gantt chart

2.4.2 TIME SCHEDULE

The Time schedule is the tool that communicates what work needs to be performed, which resources of the organization will perform the work and the timeframes in which that work needs to be performed. The project schedule should reflect all of the work associated with delivering the project on time.

Task ID	Task description	start date	finished date
1	Preliminary work		
1.1	planning for the project	1-Jun	4-Jun
1.2	Analysis on the topics	5-Jun	10-Jun
1.3	Discussion with the supervisor	11-Jun	11-Jun
1.4	Background reading	12-Jun	13-Jun
1.5	Preparation of project proposal	14-Jun	16-Jun
1.6	Approval from supervisor	17-Jun	17-Jun
2	Research work		
2.1	Research on web application	17-Jun	17-Jun
2.2	Research on Agriculture	18-Jun	18-Jun
2.3	Research on method and requirement	19-Jun	19-Jun
2.4	Research to prepare Best Design	20-Jun	20-Jun
3	Design		
3.1	Flowchart Design	21-Jun	22-Jun
3.2	Data Flow Design	23-Jun	25-Jun
3.3	Use Case Design	26-Jun	27-Jun
3.4	Sequence diagram	28-Jun	29-Jun
3.5	Class Diagram	30-Jun	1-Jul
3.6	Activity Diagram	2-Jul	3-Jul
3.7	ER- Diagram	4-Jul	5-Jul
3.8	Schema Diagram	6-Jul	7-Jul
4	Development		
4.1	Coding	8-Jul	28-Jul
4.2	Database	29-Jul	11-Aug
5	Testing		
5.1	Unit Testing	22-Jul	30-Jul
5.2	Integration Testing	30-Jul	8-Aug
5.3	System Testing	9-Aug	18-Aug
6	Dissertation		
6.1	Final Report Writing	19-Aug	31-Aug
6.2	Report Evaluation and Conclusion	1-Sep	3-Sep
6.3	Correction for final Report	4-Sep	8-Sep
7	Final phase		
7.1	Final Documentation Printing and Binding	9-Sep	11-Sep
7.2	Final Report Submission to College	14-Sep	14-Sep

Figure: Time Schedule

2.5 TESTING

Testing is evaluation of the software against requirements gathered from users and system specifications. Testing identifies important defects, flaws, or an error in the application code that must be fixed. It also assesses the feature of a system. Testing assesses the quality of the product.

2.5.1 UNIT TESTING

Unit testing refers to the testing certain functions and areas of the code. It gives the ability to verify that all the functions work as expected. Eventually, it helps to identify failures in the algorithms as well as logic to help improve the quality of the code that composes a certain function.

Unit testing has been performed for every function in this project during its development phase.

TEST DESCRIPTION	INPUT TEST DATA	EXCEPTED RESULT	ACTUAL RESULT	PASS/ FAIL
Open browser and enter url	http://localhost/chef/admin/	Login page should be displayed with username and password	Login page displayed with username and password field	Pass
Enter valid data in username and password field	Username: admin Password: *****	It should redirect to admin dash	Home page displayed.	Pass
Enter valid data in username and leave password field empty	Username: admin Password: empty	Error message as password field cannot be empty	Error message displayed as PW field cannot be empty	Pass
Leave username and password field empty and press login	Username: empty Password: empty	Error message as username and PW is required	Displays an error stating username and PW is required.	Pass
Enter invalid username and password	Username: asdf;lkj Password : qwerty	Error stating invalid username and password to be displayed	Displays an error stating username and PW is required.	Pass

Figure: Test of Valid Login

2.6 IMPLEMENTATION METHOD

System implementation specifies how the system is installed, operated and maintained. It also ensures that the system meets the quality standards. System implementation is the test program that exercises the complete system in its actual environment to determine its capabilities and limitations which also demonstrates that the system is functionally operative, and is compatible with the other subsystems and supporting elements required for its operational deployment

The web services have been hosted in local host. The database used is MySQLi where all the information related to user's registration details product and transaction details. The web service used to connect MySQL database with phpmyadmin. The PHP files are located on the XAMPP Server. Open cart has been used for store management. From the user aspect, the project can be easily run over the internet. The project is practical and cost efficient due to which any general people can use it. This project is an initiation to bring local agricultural product to the door step of consumers. While everything in the world is getting digitized and taken over by technology, the project will also help general people to grow their technical skills and use the free gift of technology in their day-to-day life.

CHAPTER 3- RESULT ANALYSIS

3.1 SCREENSHOT

Main Home Page

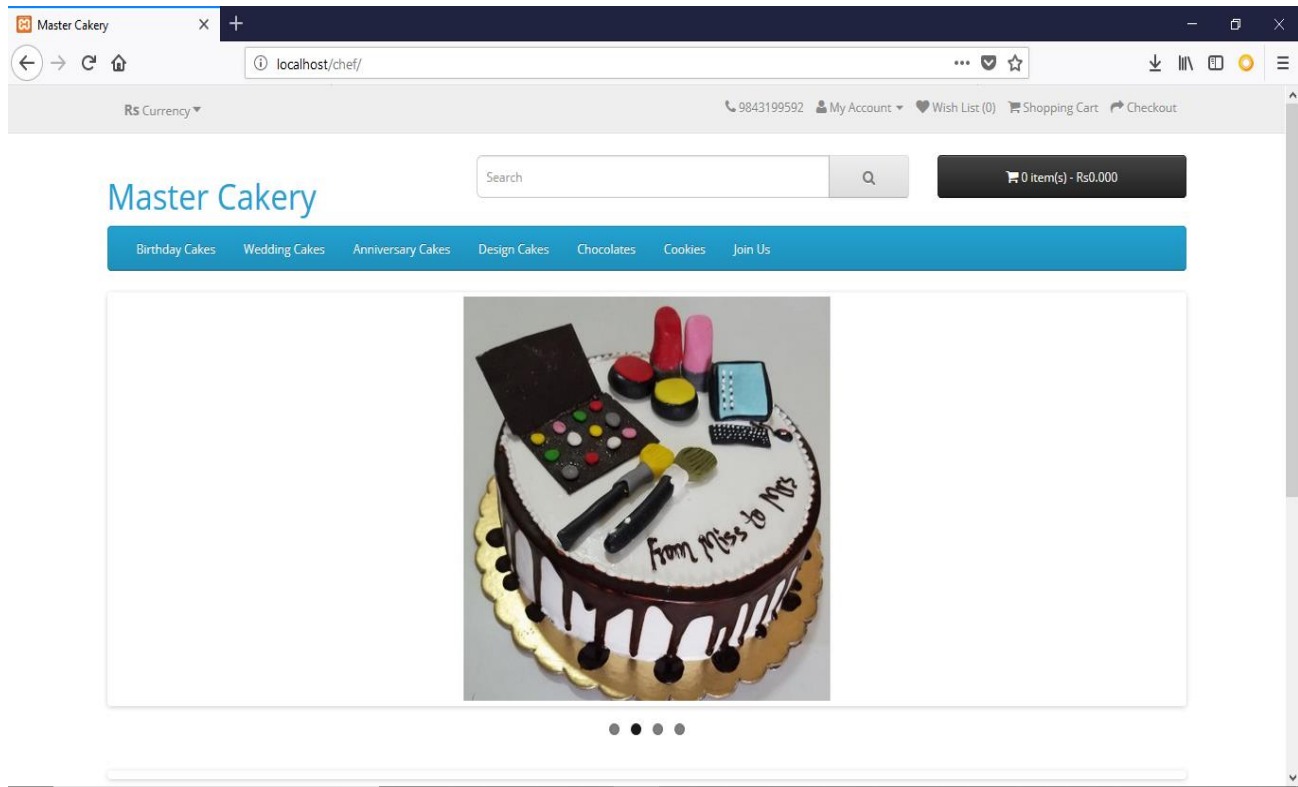


Figure: Main Home Page

Registration Page

Register Account

If you already have an account with us, please login at the [login page](#).

Your Personal Details

• First Name

• Last Name

• E-Mail

• Telephone

Fax

Your Address

Company

• Address 1

Address 2

• City

Post Code

• Country

• Region / State

Your Password

• Password

• Password Confirm

Navigation Menu:

- Login
- Register
- Forgotten Password
- My Account
- Address Books
- Wish List
- Order History
- Downloads
- Reward Points
- Returns
- Transactions
- Newsletter
- Recurring payments

Figure: Registration Page

Customer login Page

Account Login

localhost/chef/index.php?route=account/login

67%

Rs Currency

9843199592 My Account Wish List (0) Shopping Cart Checkout

Master Cakery

Search

0 item(s) - Rs0.000

Birthday Cakes Wedding Cakes Anniversary Cakes Design Cakes Chocolates Cookies Join Us

Account Login

New Customer

Register Account

By creating an account you will be able to shop faster, be up to date on an order's status, and keep track of the orders you have previously made.

Continue

Returning Customer

I am a returning customer

E-Mail Address

Password

Forgot Password

Login

Login

Register

Forgotten Password

My Account

Address Books

Wish List

Order History

Downloads

Reward Points

Returns


Transactions


Newsletter

Recurring payments

Figure customer login page


Admin's Login Page

 Please enter your login details.


 Invalid token session. Please login again.

×


Username

 Username

Password

 Password

[Forgotten Password](#)

 Login

Product Page

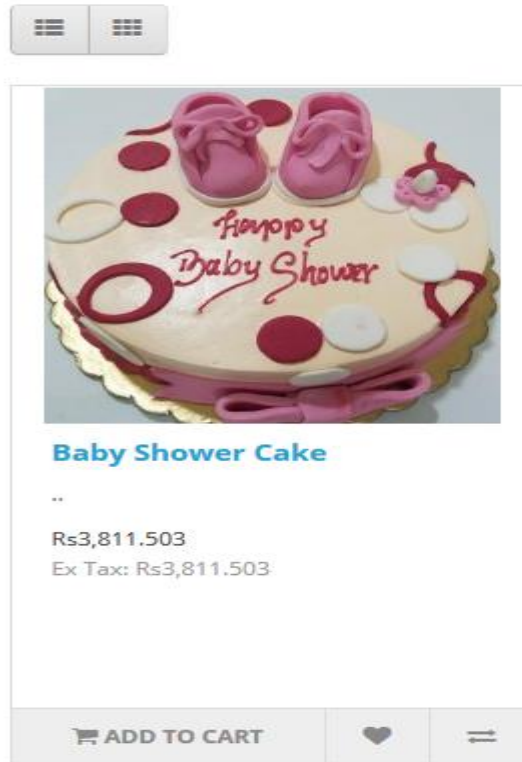


Figure Product Page

Admin’s Dashboard

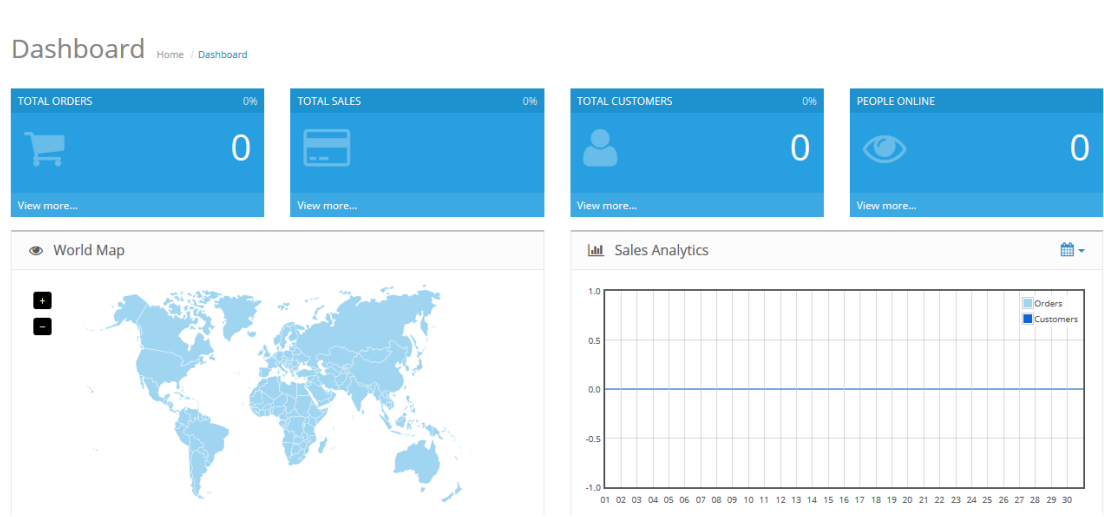



Figure Admin’s Dashboard

Contact Us Page

Contact Us

Our Location

	Master Bakery Lokanthali	Telephone 9843199592	Opening Times 11 A.M
-----------------------------------------------------------------------------------	------------------------------------	--------------------------------	--------------------------------

Contact Form

* Your Name

* E-Mail Address

* Enquiry

* Enter the code in the box
below

Figure: Contact Us

3.2 APPLICATION OF THE SYSTEM

- ❖ Multiple customers in a single platform.
- ❖ Easy and cheap shopping.
- ❖ Notification for order, sales and purchase.
- ❖ Shipping and payment.
- ❖ Sales, orders and customers report

3.3 FUTURE ENHANCEMENT

On the basis of given limitations, following would be the future enhancements.

- ❖ Reliable password retrieval feature will be developed and added in the application.
- ❖ Chat box for Admin and Consumers so that can directly communicate with each other in no time.
- ❖ User's location permission so that actual location of the users can be known.

3.5 CONCLUSION

To sum up the e commerce site will be a step in the change of online business in our country. It will develop a new habit among customers to explore the verity of product in the internet. Online shopping of such product will save precious time during the special occasions. The wide range of product will be able to meet the requirement of every customer, customers who have extra about the design about the product can submit their idea and have similar type of product with ease. Therefore this e commerce site will be a whole package for those who have limited time to go to market and choose the best product as the site will have everything they want.

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Appendices

```
<?php
define('VERSION', '2.0.0.0');
if (is_file('config.php')) {
    require_once('config.php');
}
if (!defined('DIR_APPLICATION')) {
    header('Location: install/index.php');
    exit;
}
require_once(DIR_SYSTEM . 'startup.php');
$registry = new Registry();
$loader = new Loader($registry);
$registry->set('load', $loader);
$config = new Config();
$registry->set('config', $config);
$db = new DB(DB_DRIVER, DB_HOSTNAME, DB_USERNAME, DB_PASSWORD,
DB_DATABASE);
$registry->set('db', $db);
if (isset($_SERVER['HTTPS']) && (($_SERVER['HTTPS'] == 'on') || ($_SERVER['HTTPS'] ==
'1'))) {
    $store_query = $db->query("SELECT * FROM " . DB_PREFIX . "store WHERE
REPLACE(`ssl`, 'www.', '') = '' . $db->escape('https://' . str_replace('www.', '',
$_SERVER['HTTP_HOST'])) . rtrim(dirname($_SERVER['PHP_SELF']), '/.\\') . '/') . ''");
} else {
    $store_query = $db->query("SELECT * FROM " . DB_PREFIX . "store WHERE
REPLACE(`url`, 'www.', '') = '' . $db->escape('http://' . str_replace('www.', '',
$_SERVER['HTTP_HOST'])) . rtrim(dirname($_SERVER['PHP_SELF']), '/.\\') . '/') . ''");
}
if ($store_query->num_rows) {
    $config->set('config_store_id', $store_query->row['store_id']);
} else {
    $config->set('config_store_id', 0);
}
```

```

$query = $db->query("SELECT * FROM `". DB_PREFIX . "setting` WHERE store_id = '0' OR
store_id = '" . (int)$config->get('config_store_id') . "' ORDER BY store_id ASC");

foreach ($query->rows as $result) {

    if (!$result['serialized']) {

        $config->set($result['key'], $result['value']);

    } else {

        $config->set($result['key'], unserialize($result['value']));

    }

}

if (!$store_query->num_rows) {

    $config->set('config_url', HTTP_SERVER);

    $config->set('config_ssl', HTTPS_SERVER);

}

$url = new Url($config->get('config_url'), $config->get('config_secure') ? $config->
get('config_ssl') : $config->get('config_url'));

$registry->set('url', $url);

$log = new Log($config->get('config_error_filename'));

$registry->set('log', $log);

function error_handler($errno, $errstr, $errfile, $errline) {

    global $log, $config;

    if (error_reporting() === 0) {

        return false;

    }

}

switch ($errno) {

    case E_NOTICE:

    case E_USER_NOTICE:

        $error = 'Notice';

        break;

    case E_WARNING:

    case E_USER_WARNING:

        $error = 'Warning';

```

```

        break;
    case E_ERROR:
    case E_USER_ERROR:
        $error = 'Fatal Error';
        break;
    default:
        $error = 'Unknown';
        break;
    }

    if ($config->get('config_error_display')) {
        echo '<b>' . $error . '</b>: ' . $errstr . ' in <b>' . $errfile . '</b> on line <b>' .
        $errline . '</b>';
    }
    if ($config->get('config_error_log')) {
        $log->write('PHP ' . $error . ': ' . $errstr . ' in ' . $errfile . ' on line ' . $errline);
    }
    return true;
}

set_error_handler('error_handler');
$request = new Request();
$registry->set('request', $request);
$response = new Response();
$response->addHeader('Content-Type: text/html; charset=utf-8');
$response->setCompression($config->get('config_compression'));
$registry->set('response', $response);
$cache = new Cache('file');
$registry->set('cache', $cache);
$session = new Session();
$registry->set('session', $session);
$languages = array();
$query = $db->query("SELECT * FROM `` . DB_PREFIX . "language` WHERE status = '1'");

```



```

foreach ($query->rows as $result) {
    $languages[$result['code']] = $result;
}

$detect = "";

if (isset($request->server['HTTP_ACCEPT_LANGUAGE']) && $request->server['HTTP_ACCEPT_LANGUAGE']) {
    $browser_languages = explode(',', $request->server['HTTP_ACCEPT_LANGUAGE']);

    foreach ($browser_languages as $browser_language) {
        foreach ($languages as $key => $value) {
            if ($value['status']) {
                $locale = explode(',', $value['locale']);

                if (in_array($browser_language, $locale)) {
                    $detect = $key;

                    break 2;
                }
            }
        }
    }
}

if (isset($session->data['language']) && array_key_exists($session->data['language'], $languages)
&& $languages[$session->data['language']]['status']) {
    $code = $session->data['language'];
} elseif (isset($request->cookie['language']) && array_key_exists($request->cookie['language'],
$languages) && $languages[$request->cookie['language']]['status']) {
    $code = $request->cookie['language'];
} elseif ($detect) {
    $code = $detect;
} else {
    $code = $config->get('config_language');
}

```

```

if (!isset($session->data['language']) || $session->data['language'] != $code) {
    $session->data['language'] = $code;
}

if (!isset($request->cookie['language']) || $request->cookie['language'] != $code) {
    setcookie('language', $code, time() + 60 * 60 * 24 * 30, '/', $request->server['HTTP_HOST']);
}

$config->set('config_language_id', $languages[$code]['language_id']);
$config->set('config_language', $languages[$code]['code']);
$language = new Language($languages[$code]['directory']);
$language->load($languages[$code]['filename']);
$registry->set('language', $language);
$registry->set('document', new Document());
$customer = new Customer($registry);
$registry->set('customer', $customer);
if ($customer->isLogged()) {
    $config->set('config_customer_group_id', $customer->getGroupId());
} elseif (isset($session->data['customer'])) {

    $config->set('config_customer_group_id', $session->data['customer']['customer_group_id']);
} elseif (isset($session->data['guest'])) {
    $config->set('config_customer_group_id', $session->data['guest']['customer_group_id']);
}

if (isset($request->get['tracking'])) {
    setcookie('tracking', $request->get['tracking'], time() + 3600 * 24 * 1000, '/');

    $db->query("UPDATE `" . DB_PREFIX . "marketing` SET clicks = (clicks + 1) WHERE
code = '" . $db->escape($request->get['tracking']) . "'");
}

```

```

$registry->set('affiliate', new Affiliate($registry));
$registry->set('currency', new Currency($registry));
$registry->set('tax', new Tax($registry));
$registry->set('weight', new Weight($registry));
$registry->set('length', new Length($registry));
$registry->set('cart', new Cart($registry));
$registry->set('encryption', new Encryption($config->get('config_encryption')));
$registry->set('openbay', new Openbay($registry));
$event = new Event($registry);
$registry->set('event', $event);
$query = $db->query("SELECT * FROM " . DB_PREFIX . "event");
foreach ($query->rows as $result) {
    $event->register($result['trigger'], $result['action']);
}
/$controller = new Front($registry);
$controller->addPreAction(new Action('common/maintenance'));
$controller->addPreAction(new Action('common/seo_url'));
if (isset($request->get['route'])) {
    $action = new Action($request->get['route']);
} else {
    $action = new Action('common/home');
}
$controller->dispatch($action, new Action('error/not_found'));
$response->output();

```