

PERPUSTAKAAN UMP



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SIMPLIFIED E-CONTENT SYSTEM (SECS)

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FACULTY OF COMPUTER SYSTEM AND SOFTWARE ENGINEERING
UNIVERSITI MALAYSIA PAHANG

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I hereby declare that I have read this thesis and in my opinion this thesis/report is sufficient in terms of scope and quality for the award of the degree of Bachelor of Computer Science.

Signature  :.....
Supervisor Name : MR. ABBAS SALIIMI BIN LOKMAN
Date : 12th December 2014

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EXECUTIVE SUMMARY

This project entitled “Simplified E-Content System (SECS)” which is a system created to help entrepreneurs who are "normal user" with less literacy in web technology and ICT who want to have their website to promote their products. Content Management System (CMS) in the market is good to use but it require a lot of steps to create some content thus making it hard for normal user. With this system, they only need to fill in information step by step inside this system and this system will help them to generate a website for them to promote their products. This system is focus on entrepreneurs who are "normal user" with less literacy in web technology and ICT. For the development process, Waterfall is chosen to be used in this project. Programming Hypertext Preprocessor (PHP), Cascading Style Sheet (CSS), JavaScript, Hypertext Markup Language (HTML), and MySQL are used to develop this system as the web programming language and database management respectively.

RINGKASAN EKSEKUTIF

Projek ini bertajuk “Simplified E-Content System (SECS)” di mana ini adalah satu sistem dicipta untuk membantu seseorang usahawan yang celik dalam teknologi dan ICT dan menginginkan laman web sendiri untuk mempromosikan produk sendiri. Walaupun Content Management System (CMS) dalam pasaran adalah sangat baik digunakan oleh orang ramai tetapi terdapat banyak langkah kena diikuti sekiranya mereka inginkan laman web sendiri. Hal ini membebankan dan menyusahkan seseorang itu. Dengan adanya system yang saya cipta ini, mereka hanya megisikan informasi yang diwajibkan ke dalam tempat yang tertentu dalam system ini dan system akan membantu mereka menghasilkan laman web mereka untuk memenuhi keinginan mereka dalam memiliki laman web untuk mempromosikan produk mereka. This sistem adalah ditujukan kepada usahawan yang celik dalam teknologi dan ICT dan menginginkan laman web sendiri untuk mempromosikan produk sendiri. Model Waterfall dipilih untuk digunakan dalam project ini. Programming Hypertext Preprocessor (PHP), Cascading Style Sheet (CSS), JavaScript, Hypertext Markup Language (HTML) dan MySQL digunakan dalam menghasilkan sistem ini.

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1. INTRODUCTION

1.1 Project Overview

Website is a common term nowadays. It is a collection of text documents and other resources, linked by hyperlinks and URLs, usually accessed by web browsers from web servers. In short, the web can be thought of as an application "running" on the Internet. [Wikipedia]

Nowadays, Content management system (CMS) is available for all users who want to own a websites. Content management system (CMS) is a system created to help users to generate their desire website by them. This system allows users publishing, editing and modifying content as well as maintenance from a central interface. [Wikipedia] But, the learning curve is steep for people who is "normal user" with less computer literacy and little or no knowledge in web technology (html, FTP, MySQL, etc.)

Previously, companies who want to have their website for their company, they have to have one or even a group of professional web developers to help them to build and maintain their company website. Small businesses are unable to own website because of unable to hire professional web developers.

The system that is going to be developed is the SECS that will focus mainly on entrepreneur who is "normal user" with less computer literacy and little or no knowledge in web technology (html, FTP, MySQL, etc.) and wish to have their website to do their business for their small scale production of homemade products. They will only need to fill in the required information step by step to produce their website. They only need to edit the information by clicking the "edit" button/link in preview page without need to remember and find the path to edit information such as text or image.

1.2 Statement of the Problem(s) and Description of the Main Aim(s) and Objective(s)

1.2.1 Problem Statement

For user with high literacy in web technology and ICT, it will not be a problem for them to create static website or using complex CMS features but with "normal user" with less literacy in web technology and ICT, it will be a major problem. As such, following problem statements are being constructed in regard to normal user perspective.

1. Static website is not suitable for normal user because lack of knowledge in computer and little or no knowledge in web technology (html, FTP, MySQL, etc.)
2. Typical CMS nowadays require a lot of steps to create some content thus making it hard for normal user.
3. In typical CMS, user has to enable the integrated components according to module map in order to have a full webpages. It is difficult for normal user who is lack of knowledge in computer and little or no knowledge in web technology (html, FTP, MySQL, etc.)

1.2.2 Objective

1. To develop a system that able to generate a dynamic website consists of text, image and database using form filling based in SECS.
2. To minimize steps in producing website using form filling based format.
3. To provide integrated components within a standard template for normal/novice user.

1.3 Review of Previous Work

➤ Drupal

Drupal is an open-source content management platform that allows anyone to publish, manage and organize a wide variety of content on a website. [8] It can be used to create website from personal blogging site, online shopping site, and commercial site to corporate business website. Commercial users of Drupal include newspapers and corporate business sites (David Gwynn, 2009) Drupal consists of its standard distribution which called Drupal Core. Inside Drupal Core, it contains 30 basic modules. It can be expanded by adding additional features or modules to enhance the functionality and design in creating website in order to meet user's need. (Nood.org team, 2009) The site templates are predominately made up of XHTML and CSS and also PHP to insert content from system into the correct spots. (Niraj Singhal, Tanmeya Mohan, Subham Sarkar, 2009)

The administration page of Drupal offer capability of managing the content of the website by adding articles and paging and managing it through menu. In addition, users can change the appearance of their websites by add on different templates. It also provides users with the user management functionality such as user status and so on. Drupal provides the unique functionality of dashboard, which gives the capability to the user to rearrange all the blocks that appear on the site in any way the users like. (B V Wakode, D N Chaudhari, 2013)

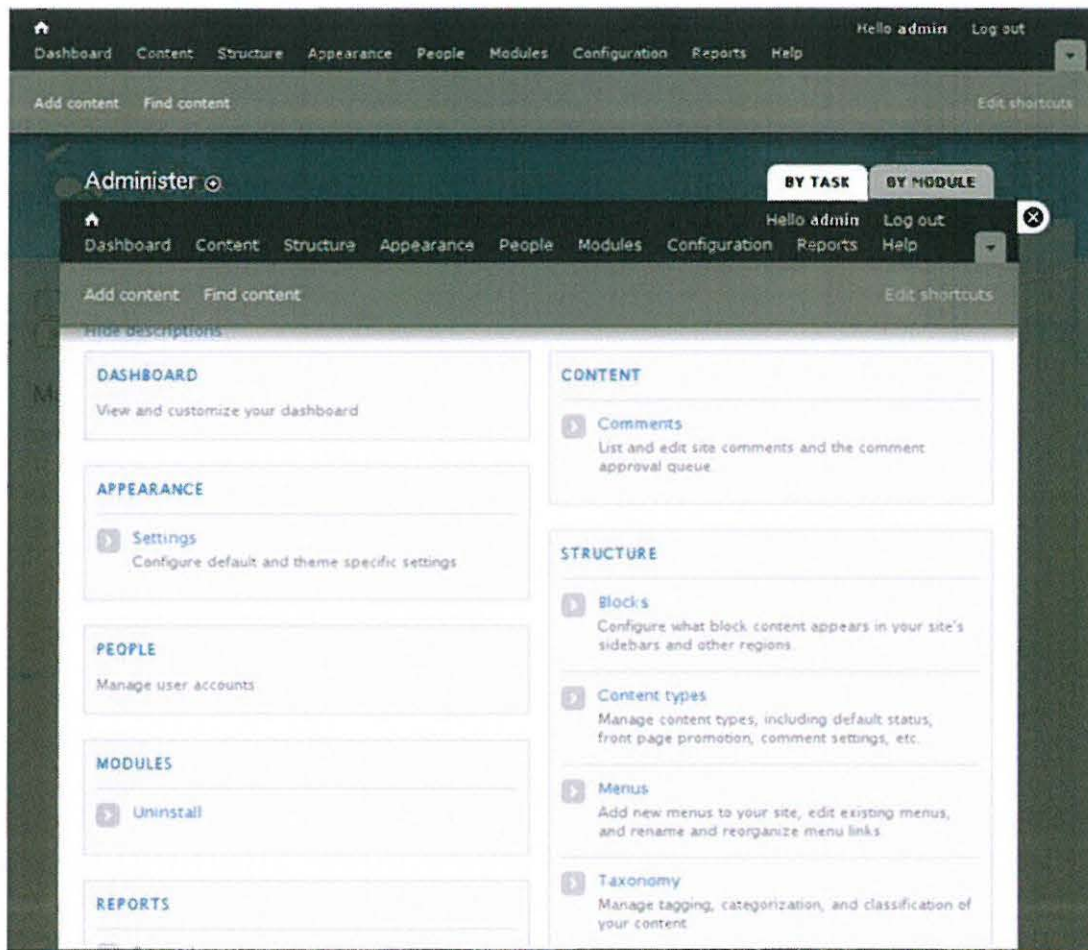


Figure 1.1: Drupal Dashboard

➤ Joomla

Joomla is an open source solution that freely available to everyone who want to create website. [9] It is an open source PHP and SQL based application which it is written in PHP scripting language and MySQL database for backend of the system created. The combination of PHP, CSS and HTML provide flexibility in creating a website. (Niraj Singhal, Tanmeya Mohan, Subham Sarkar, 2009) From beginners in building their website till IT professional help corporate manage website, every stage of users be able to create their desire website using Joomla.

In Joomla administration page, it provides users with a big number of functionalities. It can let users add more content such as new articles, uploading numbers of media files through media manager, add new categories in the main page for the content and so on. Additionally, users are able to apply different template to change the visual aspect of their websites. In addition, users can add on modules or extensions to improve the functionalities of their websites. (Konstantinidis Konstantinos)

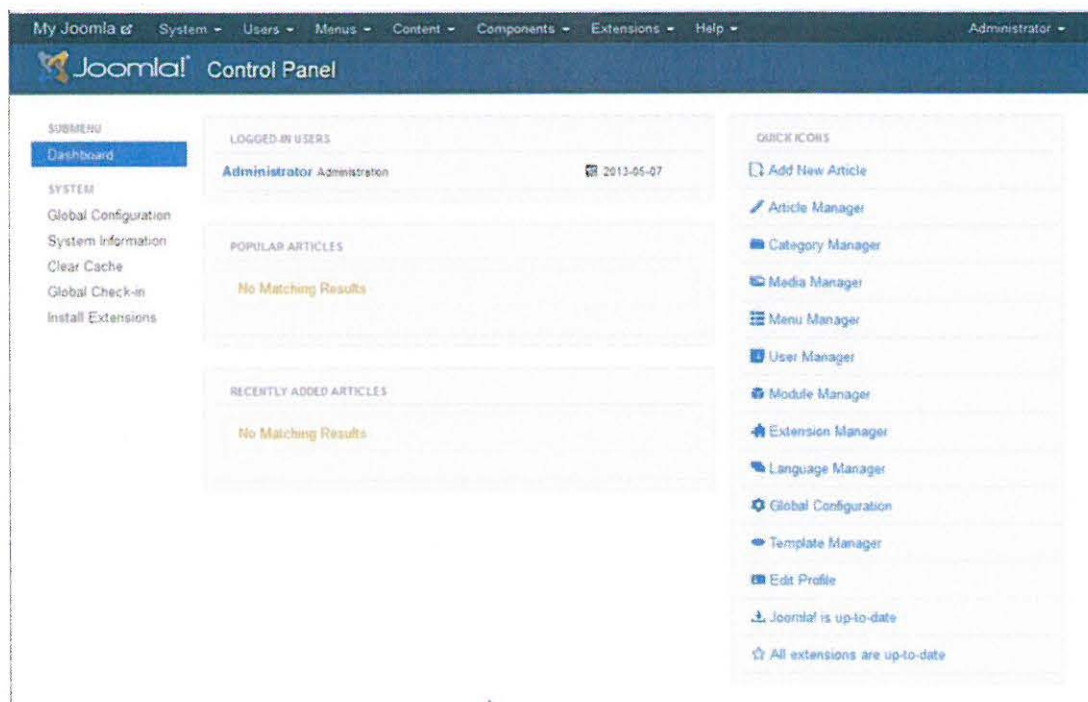


Figure 1.2: Joomla Dashboard

➤ WordPress

WordPress is a full-blown Content Management system that used to create website or blog. It is an enhancement of the blogging platform. It has grown to be the largest self-hosted blogging tool in the world, used on millions of sites and seen by tens of millions of people every day. [10] Wordpress offers a significantly simpler codebase than Joomla or Drupal. (David Gwynn, 2009)

It also has a modular structure that facilities add on to customize and extend page content. It also features a user-friendly and simple interface for website. (David Gwynn, 2009)

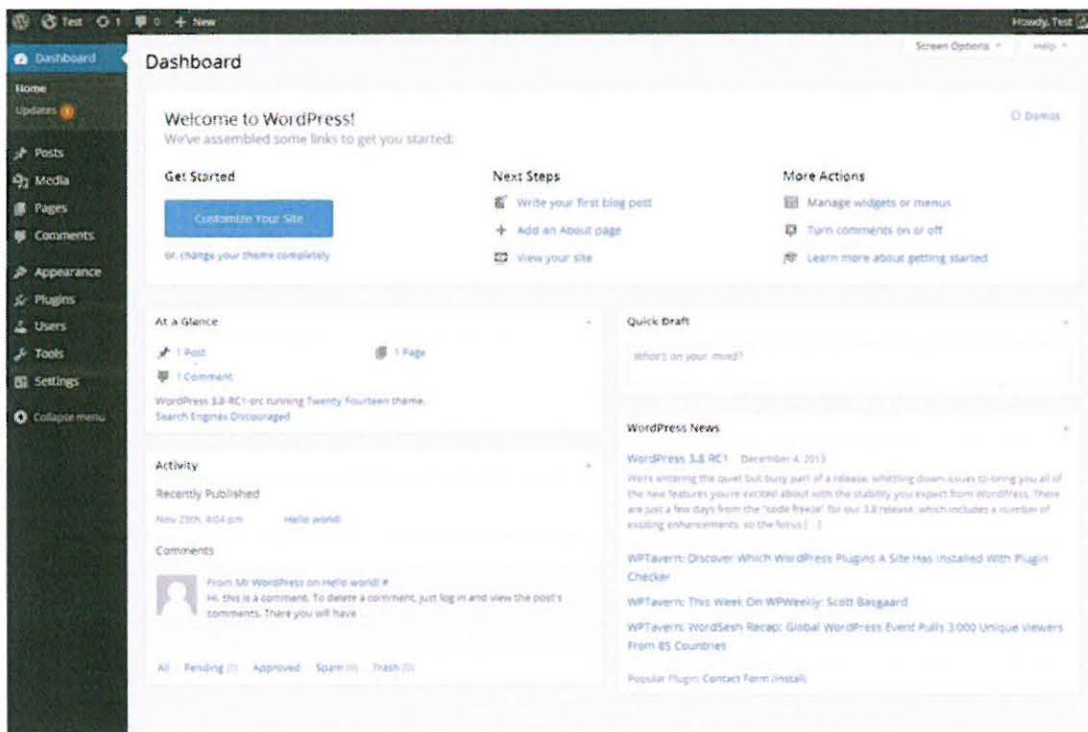


Figure 1.3: WordPress Dashboard

1.4 Current System and Its Limitation

Table 1.1: Comparison Table

	Drupal	Joomla	WordPress	Simplified E-Content
Steps on insert image	4	4	4	3
Pathway to insert image into webpage	Click “Content->Edit”, then inside the page that want to be edited, select “browse” and	Go to Content in dashboard and choose Media Manager	Go to dashboard and choose the page that want to add image then click “Add Media” button	Direct fill in inside the step which image needed.
Pathway to insert text into webpage	Need to go to “Add Content” to insert text into webpages	Need to go to “Content->Article Manager” to insert text into	Need to go to “Design->Widgets->Text Widgets”	Direct fill in inside textbox provided in the step.
Pathway to edit image in webpage	Click “Content->Edit”, then inside the page that want to be edited, select	Go back to dashboard and to the Media Manager	Go to “Media->Library”, then click the image you wish to edit.	Direct edit in the preview page with edit button /link provided
Pathway to edit text in webpage	Click the edit link at the page that want to be edited	Need to go to “Module Manager” or “Components” to edit text	Need to go back to Dashboard and click “Pages menu” and choose which	Direct edit in the preview page with edit button /link provided
Straightly one way in inserting information(text, image)	No (required to go to specific modules)	No (required to go to specific manager)	No (required to go to specific modules)	Yes (step by step form filling format)

Full template is provided	Yes (User requires enabling the features before use.)	Yes (User requires enabling the features before use.)	Yes (User requires enabling the features.)	Yes (User no needs to enable any features.)
---------------------------	--	--	---	--

1.5 Terminology

Table 1.2: Abbreviation Table

Abbreviation	Definition
CMS	Content Management System
CSS	Cascading Style Sheet
HTML	Hypertext Markup Language
PHP	Hypertext Preprocessor
SQL	Structured Query Language

1.6 Method of Approach

To develop this system, I will use:

- Software
 - Notepad ++ Hardware
 - Laptop
- Programming Language
 - Programming Hypertext Preprocessor (PHP)
 - Cascading Style Sheet (CSS)
 - JavaScript
 - Hypertext Markup Language (HTML)
 - MySQL

1.7 Indications of Scope and Limitations of the Study

The scope for this system consists of two parts which are user and system.

- User
 - The user of this system is entrepreneurs who is “normal user” with less computer literacy and little or no knowledge in web technology (html, FTP, MySQL, etc.) sell small scale production of their homemade products

- System
 - This system will be a web-based system.
 - Menu bar, breadcrumb and section navigation are integrated in the system.
 - This system will help “normal user” with less computer literacy and little or no knowledge in web technology (html, FTP, MySQL, etc.) generate website for business purpose.

Limitation of the study

There is a limitation for this system. There is:

- The edit form is not in pop up window which user can also view the preview page while edit the information in pop up form.

1.8 Outline of Material Presented in Rest of Report

This technical report consists of three parts. The first part consists of introduction, problem statements, objectives, scopes for the project. Besides that, review of previous works, their limitation and explanations of terminology used also a part of the first part. Furthermore, method of approach, Indications of scope and limitation also include inside first part.

The second part consists of explanation of the methodology chosen to develop this system. Every step in the methodology chosen is explained in detail with user requirements, flow chart, diagrams and method use included respectively.

The third part which also the last part is about the conclusion for the report and overall system. This part is to conclude and summarize the points for the report and overall system.

2. REPORT BODY

2.1 Introduction

The software development model that I used for my system is Waterfall Model. Waterfall model is a linear-sequential life cycle model. It is easy to understand and simple to use. Every step must be completed before next step take place. The phases in Waterfall Model are as follow:

- Requirement analysis
- Design
- Development
- Implementation
- Testing
- Maintenance

Why Waterfall Model is used?

In my system, the use of Waterfall Model is appropriate because of:

- My project duration is short.
- The requirements that needed to produce my system are very well documented and clear.
- There are no ambiguous requirements.

2.2 Requirements Analysis

An interview was carried out with client to get detailed requirements for the system. Before getting requirements from client, a research on the related existing system was done and comparison was made. The requirements list was finalized and in a structure manner. The following are the requirements specified by my client who is one of person in charge in the project:

Table 2.1: User Requirement Table

Number	Description
1.	Entrepreneurs need to fill in required information which is company information, financial information, and personal information in step 1 before proceeds to step 2.
2.	After finish filling in Step 1, entrepreneurs need to fill in information for all products that they want to sell in Step 2.
3.	The information that they fill in in Step 1 and 2 will show in Step 3 which is preview page.
4.	In Step 3 which is preview page, entrepreneurs can view and edit information that they key in in Step 1 and 2.
5.	The update parts in preview page are divided into 4 parts which are at the website cover photo part, website logo part, information part and product information part. Each part will have an update link or button.
6.	In Step 3 which is preview page, they can edit the information by clicking the update button or link inside the preview page
7.	Each website produced must have their folder individually.
8.	Entrepreneurs can go to backend of their website to edit information in the website and view customer order list.
9.	Only entrepreneurs can go to backend of their website and username and password is required to pass through.
10.	If entrepreneur forget password, entrepreneur can reset password through "Forget Password" link.
11.	After submit to produce website, entrepreneur can view back their website anytime by clicking "View Created Website" button at "Step 1"page. Entrepreneurs will open their website through the link.
12.	User need to fill in personal information before choosing product.
13.	After submit the personal information, click "Enable" button to fill in quantity the quantity they want for particular product they want to buy. After writing the quantity, users need to click "Add Cart" button to add the product to list of products that they want to buy. Users need to click "Enable" button every time user to buy product
14.	When user finish add cart, click "Checkout" button to go to the list of product that they want to buy together with the personal information filled.
15.	Users can update the information or change the product that they want to buy and confirm the product before submit.

16.	After submitting the Checkout list, the products inside the Checkout list will go to the backend customer order list to let entrepreneur have the record and customers/users will receive an invoice of the price of products that they bought.
-----	---

2.3 Design

2.3.1 Flow of the Whole System

The two flowcharts which are Figure 2.1 and Figure 2.2 below are the flow chart of the system.

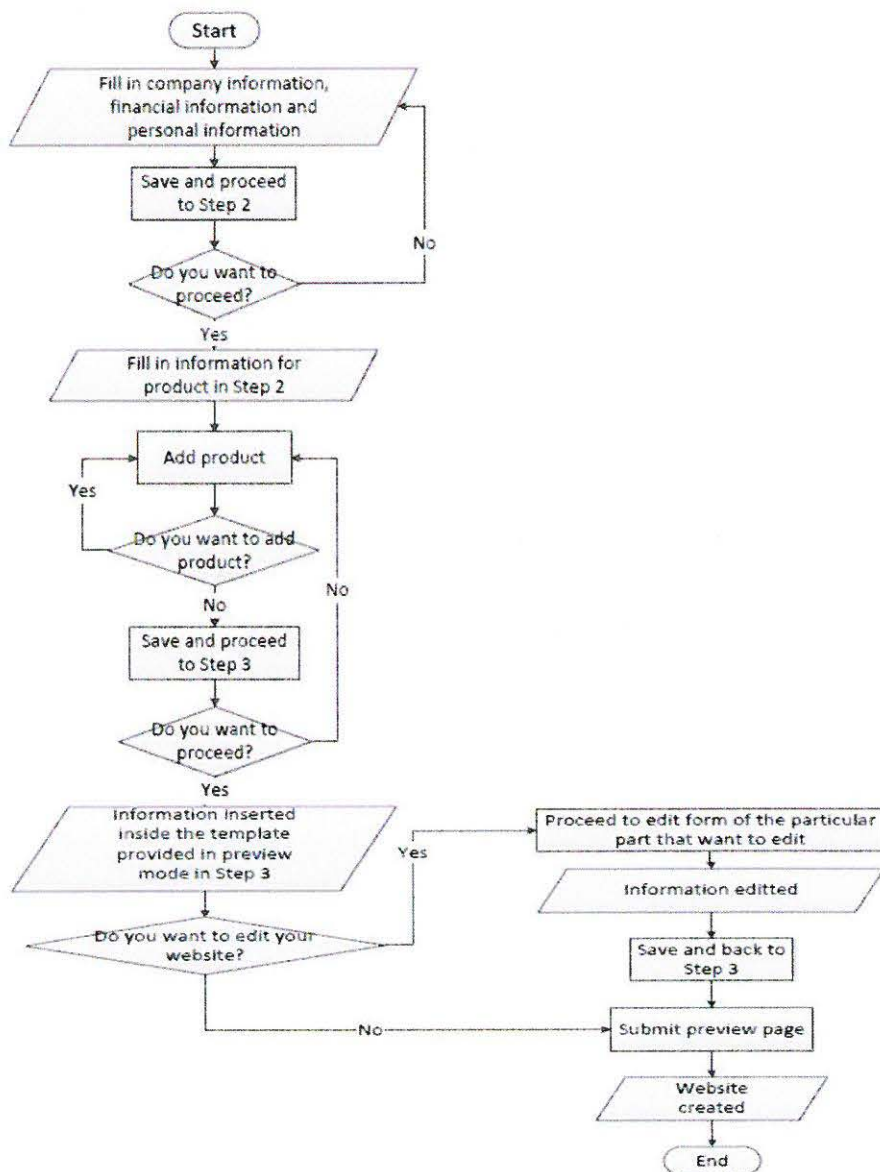


Figure 2.1: Website Generate Module (Entrepreneur)

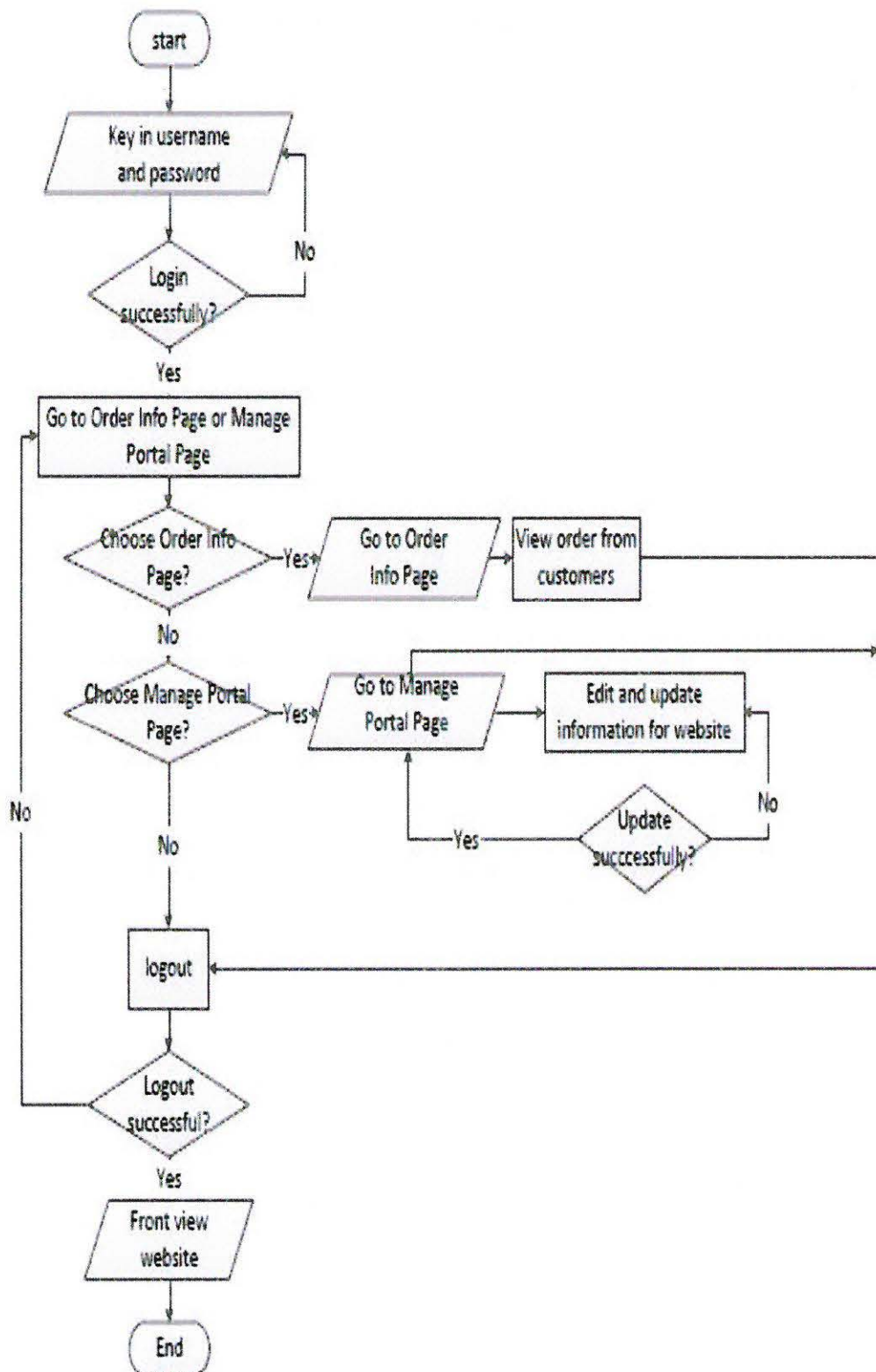


Figure 2.2: Backend of Created Website Module (Entrepreneur)

2.3.2 Use Case

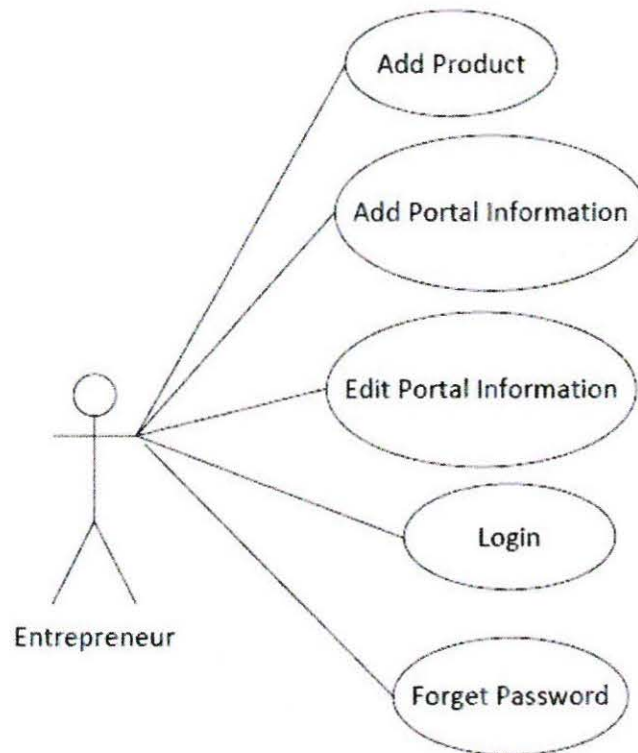


Figure 2.3: Entrepreneur Part Use Case

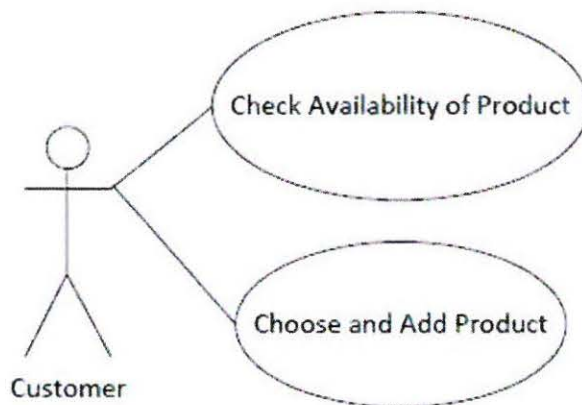


Figure 2.4: Customer Part Use Case

2.3.3 Flowchart of every module according to Entrepreneur Part Use Case

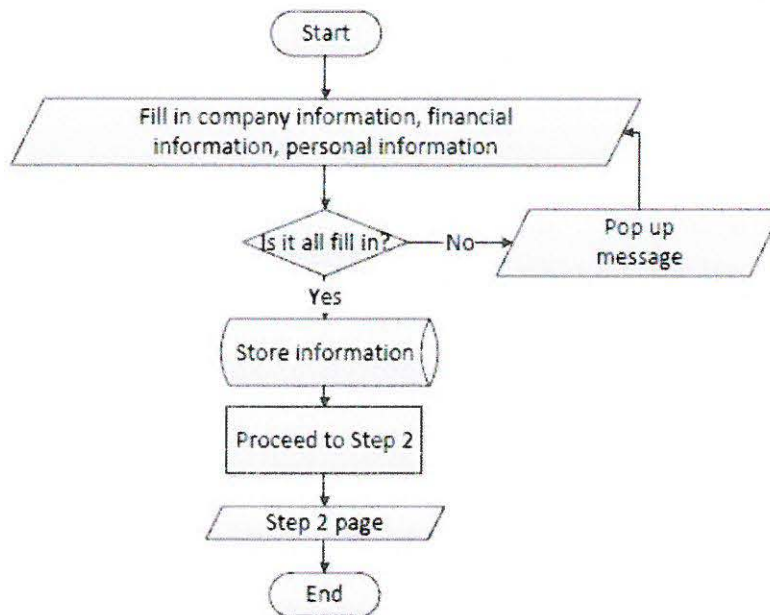


Figure 2.5: Step 1 Fill In Information and Save Information Website Generate Module (Entrepreneur)

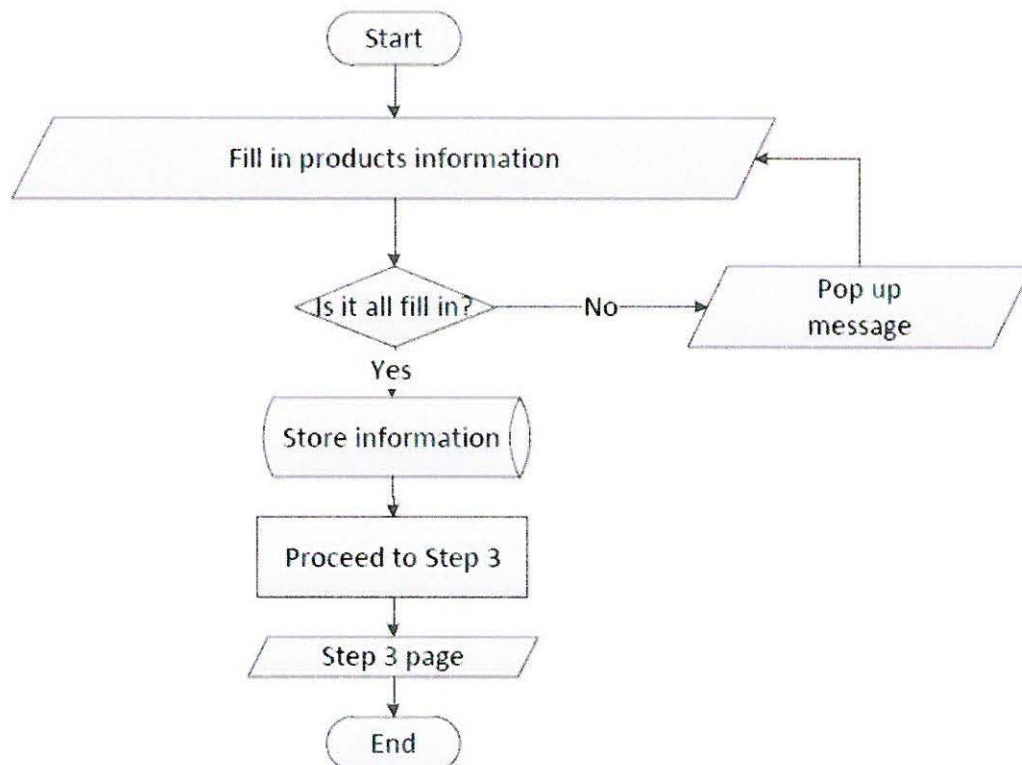


Figure 2.6: Step 2 Add Product and Save Product Website Generate Module (Entrepreneur)

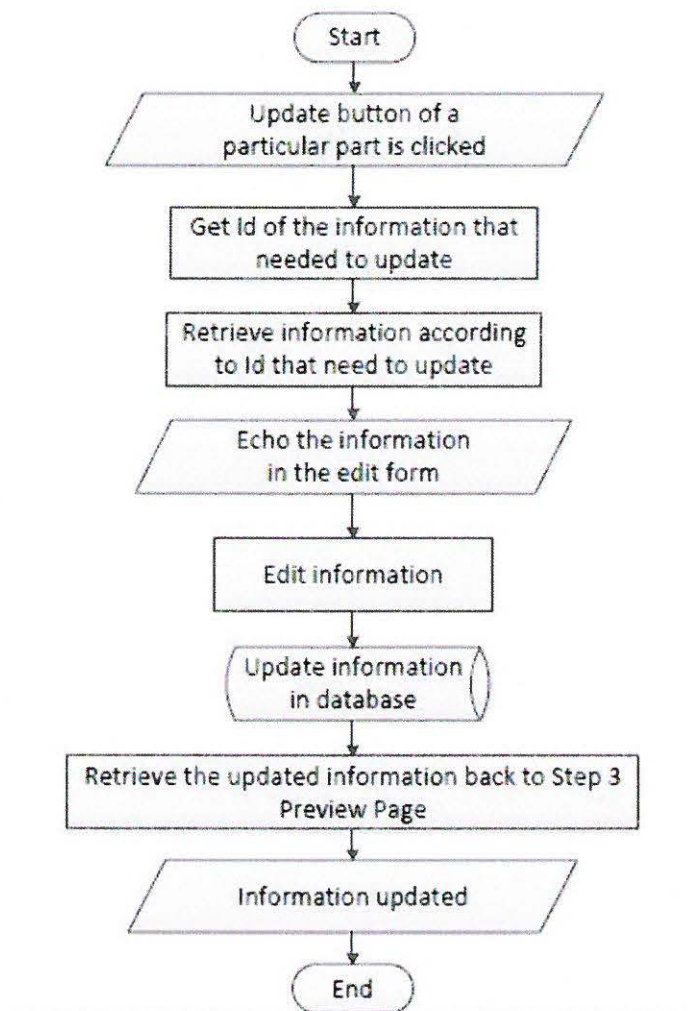


Figure 2.7: Step 3 Edit Information Website Generate Module (Entrepreneur)

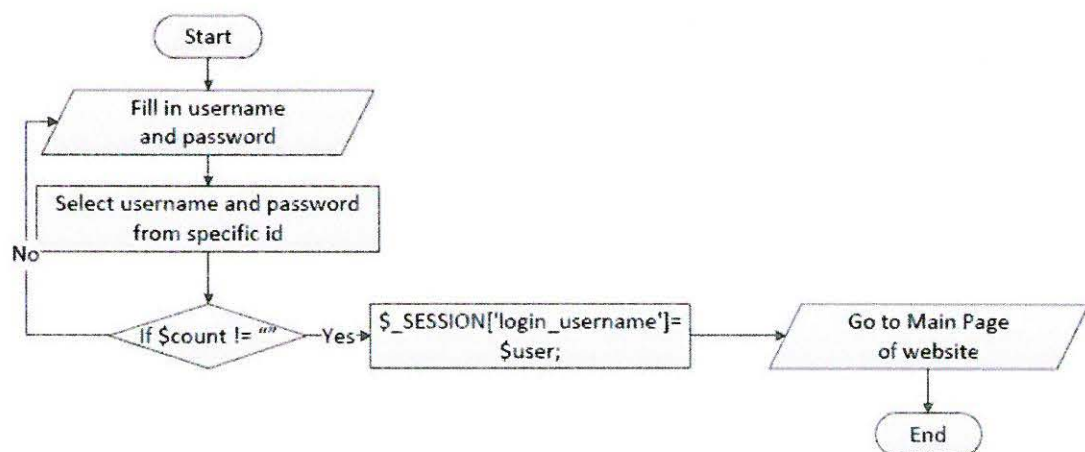


Figure 2.8: Login Module (Entrepreneur)

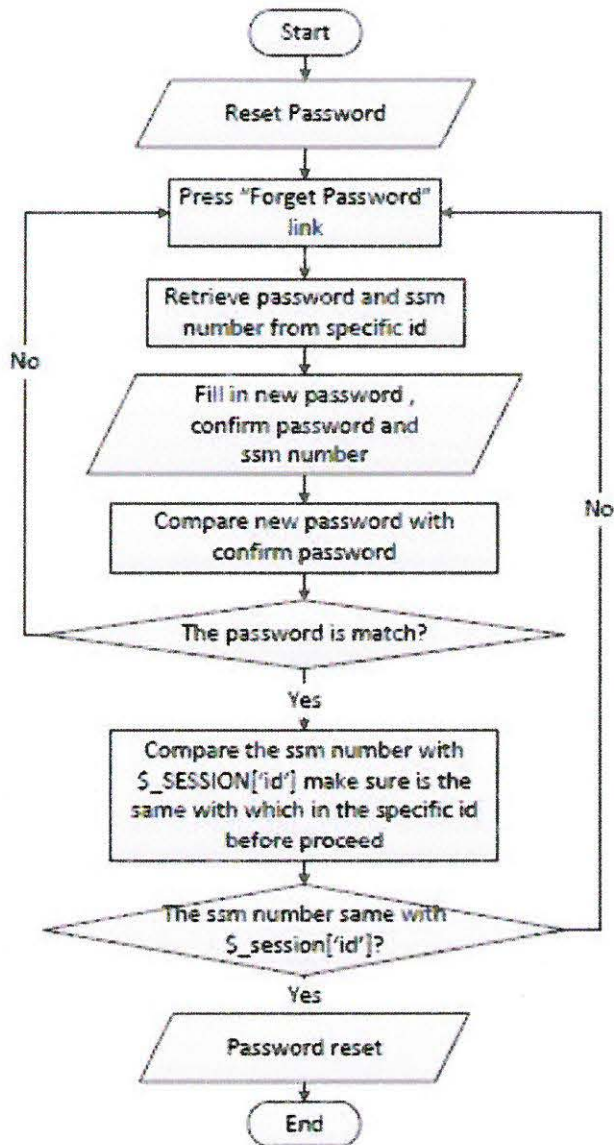


Figure 2.9: Reset Password Module (Entrepreneur)

2.3.4 Flowchart of every module according to Customer Part Use Case

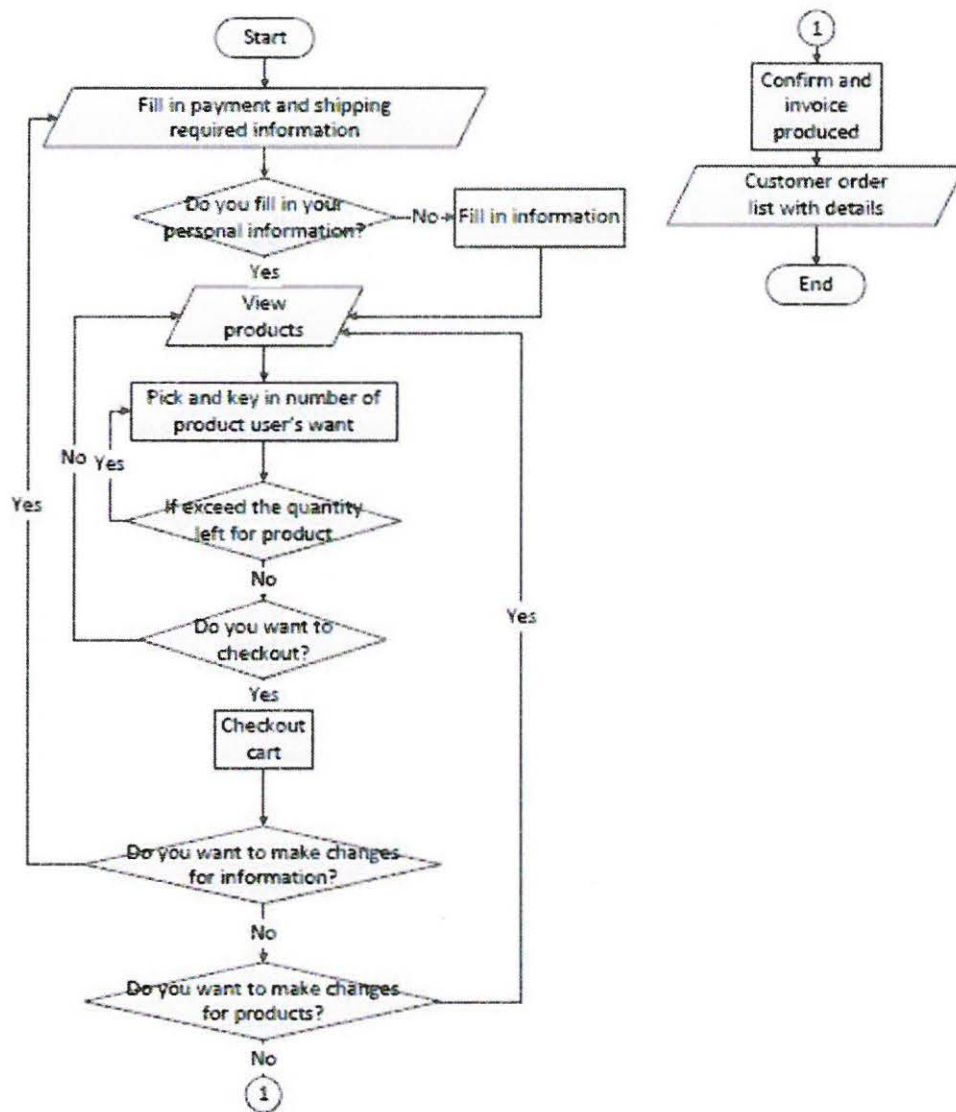


Figure 2.10: Check Availability and Choose and Add Product Module (Customer)

2.3.5 Data Dictionary

Table 2.2: register Table

register			
Attribute	Type/size	Null	Key
id	int(255)	No	Primary
companyname	varchar(50)	No	
ssm	varchar(30)	No	
ssm2	varchar(30)	No	
add1	varchar(100)	No	
add2	varchar(100)	No	
city	varchar(50)	No	
state	varchar(50)	No	
postcode	int(255)	No	
phoneno	int(255)	No	
email	varchar(100)	No	
accountno	int(255)	No	
bank	varchar(30)	No	
accountname	varchar(50)	No	
entrepreneurname	varchar(50)	No	
gender	varchar(30)	No	
sta	varchar(30)	No	
image	text	No	
images	text	No	
username	text	No	
password	text	No	
Confirmpassword	text	No	

Table 2.3: productlist Table

productlist			
Attribute	Type/size	Null	Key
idp	int(255)	No	Primary
id	int(255)	No	Foreign
pName	text	No	
pQuantity	int(255)	No	
pCode	text	No	
pPrice	decimal(10,2)	No	
pImage	text	No	
pDescription	text	No	

Table 2.4: customer Table

customer			
Attribute	Type/size	Null	Key
idc	int(255)	No	Primary
fullname	Text	No	
phonenummer	int(255)	No	
email	Text	No	
shipadd	Text	No	
city	Text	No	
state	Text	No	
postcode	int(255)	No	

Table 2.5: cartlist Table

cartlist			
Attribute	Type/size	Null	Key
idcp	int(255)	No	Primary
idc	int(255)	No	Foreign
id	int(255)	No	Foreign
fullname	text	No	
pc	text	No	
pName	text	No	
pQuantity	int(255)	No	
pCode	text	No	
pPrice	decimal(10,2)	No	
pDescription	text	No	
quantity	int(255)	No	
subtotal	decimal(10,2)	No	

Table 2.6: link Table

link			
Attribute	Type/size	Null	Key
idlink	int(255)	No	Primary
id	int(255)	No	Foreign
companyname	text	No	

2.3.6 Entity Relationship (ER) Diagram

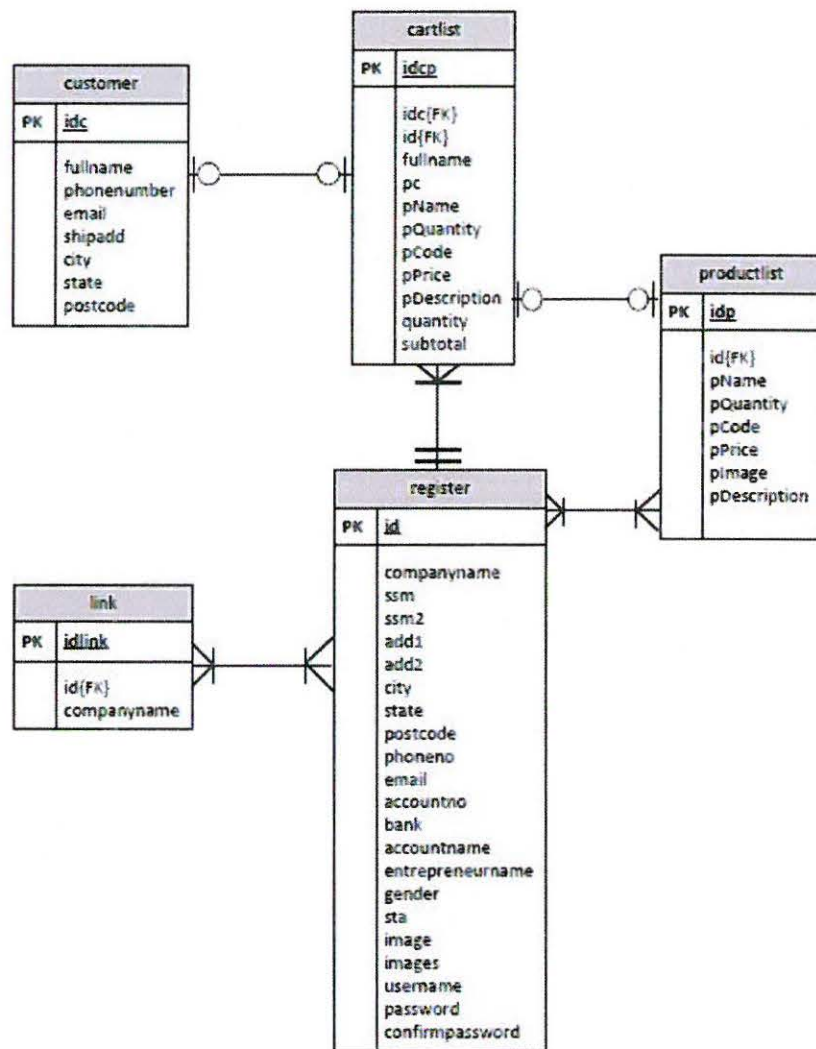


Figure 2.11: ER Diagram

2.3.7 Interface of the system

SECS

Step 1 Registration | Step 2 Product Setup | Step 3 Edit, Preview and Publish | View Created Website

Required

COMPANY INFO

*COMPANY NAME:

*SSM NUMBER:

*ADDRESS 1:

ADDRESS 2:

*CITY:

*STATE:

*POSTCODE:

*PHONE NUMBER:

*EMAIL:

*WEBSITE COVER PHOTO: No file chosen

*WEBSITE LOGO: No file chosen

FINANCIAL INFO

*ACCOUNT NUMBER:

*BANK NAME: Maybank CIMB BMB

*ACCOUNT NAME:

PERSONAL INFO

*ENTREPRENEUR NAME:

*GENDER:

*STATUS: Single Married Single Mother

Figure 2.12: Step 1-Company Registration Interface

SECS

View Created Website

Baker King

Figure 2.13: View Created Website Interface

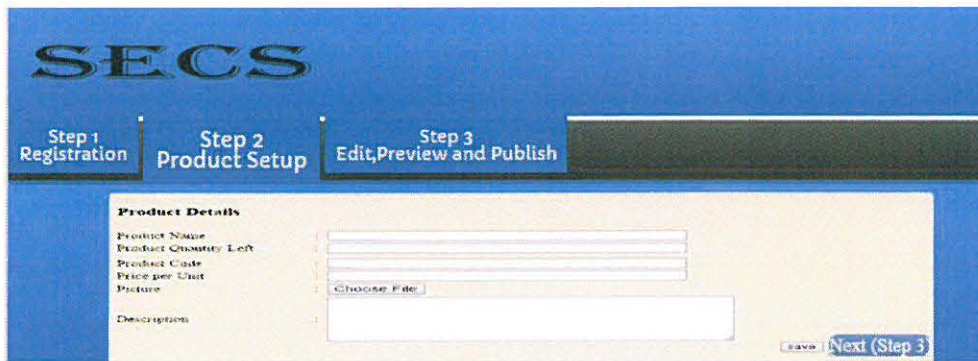


Figure 2.14: Step 2-Product Setup Interface




Figure 2.15: Step 3-Edit, Preview and Publish Interface

*** Required**

COMPANY INFO

WEBSITE COVER PHOTO: Choose File No file chosen




Update

Figure 2.16: Step 3-Edit Interface (Website Cover Photo)

*** Required**

COMPANY INFO

WEBSITE LOGO: Choose File No file chosen



Update

Figure 2.17: Step 3-Edit Interface (Website Logo)

*** Required**

COMPANY INFO

COMPANY NAME: vvcc

SSM NUMBER: ll

ADDRESS 1: vv

ADDRESS 2: vv

CITY: vv

STATE: vv

POSTCODE: 121

PHONE NUMBER: 2147483647

EMAIL: 12355@gmail.com

FINANCIAL INFO

ACCOUNT NUMBER: 123

BANK NAME: Maybank CIMB BMB

ACCOUNT NAME: ccc

PERSONAL INFO

ENTREPRENEUR NAME: aaa

GENDER: male

STATUS: Single Married Single Mother

105 Update

Figure 2.18: Step 3-Edit Interface (Information)


Product Information

Product Name: Cracker

Product Code: cc

Price per Unit: 2.00

Picture:



Description:

A tasty cracker.

Update

Figure 2.19: Step 3-Edit Interface (Product Information)



Figure 2.20: Front End Website Interface

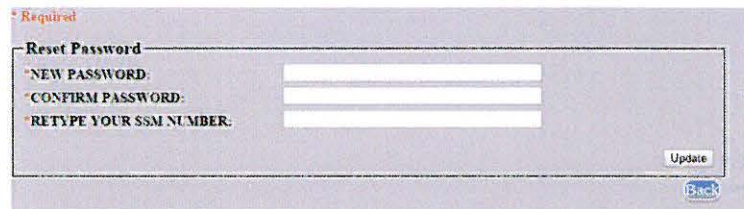


Figure 2.21: Entrepreneur Forget Password Interface

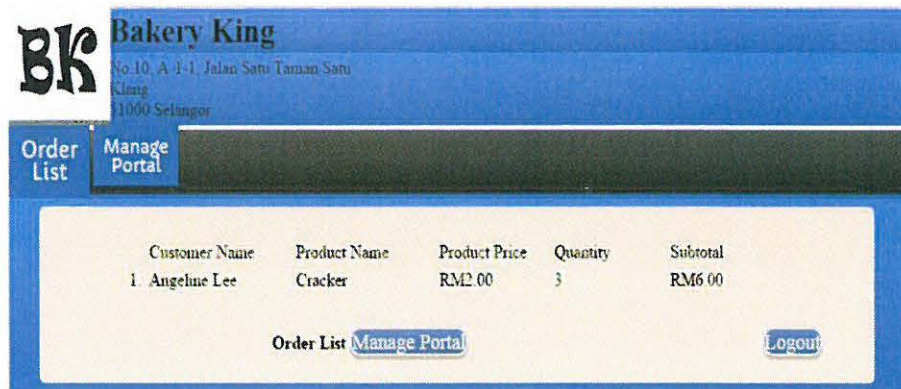


Figure 2.22: Back End Website Interface-Order List

BK Bakery King
No. 10, A-1-1, Jalan Satu Taman Satu
Klang
41000 Selangor

Order List Manage Portal

User name: Password: Login

Breads Update
Collection of homemade butter spreads

BK Update

Company Name: Bakery King	List of Product
SSM: B2012	Product Name: Cracker
Sub Address 1: No 10, A-1-1, Jalan Satu	Product Quantity Left: 20
Sub Address 2: Taman Satu	Product Code: cc
City: Klang	Price per Unit: 2.00
State: Selangor	Description: A tasty cracker.
Postcode: 41000	Update/Delete
Phone Number: 127983210	Product Name: Biscuit
Email: baker@gmail.com	Product Quantity Left: 30
Account Number: 71093783	Product Code: bb
Bank Name: maybank	Price per Unit: 1.20
Account Name: Marian	Description: Best Biscuit Ever
Entrepreneur Name: Marian May	Update/Delete
Gender: female	Product Name: <input type="text"/>
Status: married	Product Quantity Left: <input type="text"/>
Update	Product Code: <input type="text"/>
	Price per Unit: <input type="text"/>
	Picture: <input type="button" value="Choose File"/> No file chosen
	Description: <input type="text"/>
	<input type="button" value="save"/>


Order List Manage Portal

Figure 2.23: Back End Website Interface-Manage Portal

*** Required**

COMPANY INFO

*** WEBSITE COVER PHOTO:** Choose File No file chosen




Update

Figure 2.24: Manage Portal -Edit Interface (Website Cover Photo)

*** Required**

COMPANY INFO

*** WEBSITE COVER PHOTO:** Choose File No file chosen



Update

Figure 2.25: Manage Portal -Edit Interface (Website Logo)

*** Required**

COMPANY INFO

*** COMPANY NAME:** vvcc

*** SSM NUMBER:** ll

*** ADDRESS 1:** vv

ADDRESS 2: vv

*** CITY:** vv

*** STATE:** vv

*** POSTCODE:** 121

*** PHONE NUMBER:** 2147483647

*** EMAIL:** 12355@gmail.com

FINANCIAL INFO

*** ACCOUNT NUMBER:** 123

*** BANK NAME:** Maybank CIMB BMB

*** ACCOUNT NAME:** ccc

PERSONAL INFO

*** ENTREPRENEUR NAME:** aaa

*** GENDER:** male

*** STATUS:** Single Married Single Mother

105 **Update**


Figure 2.26: Manage Portal -Edit Interface (Information)

Product Information

Product Name: Cracker

Product Code: cc

Price per Unit: 2.00

Picture: 

Choose File No file chosen

Description: A tasty cracker.

Update

Figure 2.27: Manage Portal -Edit Interface (Product Information)

[Forgot Password?](#)

Breads

a selection of homemade butter spreads

BK



Company name: Bakery King

Address: No 10, A-11, Jalan Satu Taman Satu
Klang
51000 Selangor

Entrepreneur Name: Marisa May

Phone Number: 11998310

Email: babe@gnail.com

Bank Name: maybank

Account Name: Marisa

Account Number: 71093783

Product List

Product Name: Cracker

Product Quantity Left: 20

Product Code: cr

Price per Unit: RM1.00

Description: A tasty cracker

Quantity:

Product Name: Biscuit

Product Quantity Left: 20

Product Code: bi

Price per Unit: RM1.00

Description: Best Biscuit Ever

Quantity:

Your Shopping Cart

Your Cart is empty

Customer Info

Full Name:

Phone Number:

Email Address:

Shipping Address:

City:

State:

Postcode:

Figure 2.28: Front End Website Interface-Customer Fill In Personal Information

Username Password [Forgot Password](#)

Breads

a selection of homemade butter spreads

BK



<p>Company Name: <input type="text" value="Bakers King"/></p> <p>Address: <input type="text" value="No. 40, A-1-1, Jalan Seru Tamam, Senu, Klang, 30000 Selangor"/></p> <p>Entrepreneur Name: <input type="text" value="Markus May"/></p> <p>Phone Number: <input type="text" value="0179832200"/></p> <p>Email: <input type="text" value="baker@gmail.com"/></p>	<p>Product List</p> <p><input type="button" value="Enable"/></p> <p>Product Name: <input type="text" value="Cracker"/></p> <p>Product Quantity: <input type="text" value="Left: 200"/></p> <p>Product Code: <input type="text" value="cc"/></p> <p>Price per Unit: <input type="text" value="RM1.00"/></p> <p>Description: <input type="text" value="A tasty cracker."/></p> <p>Quantity: <input type="text" value="3"/></p> <p><input type="button" value="Add To Cart"/></p>	<p>Your Shopping Cart</p> <p>Your Cart is empty</p>
<p>Bank Name: <input type="text" value="maybank"/></p> <p>Account Name: <input type="text" value="Markus"/></p> <p>Account Number: <input type="text" value="71003783"/></p>	<p>Product Name: <input type="text" value="Biscuit"/></p> <p>Product Quantity: <input type="text" value="Left: 30"/></p> <p>Product Code: <input type="text" value="bb"/></p> <p>Price per Unit: <input type="text" value="RM1.20"/></p> <p>Description: <input type="text" value="Best Biscuit Ever."/></p> <p>Quantity: <input type="text" value=""/></p> <p><input type="button" value="Add To Cart"/></p>	
<p>Customer Info</p> <p>Full Name: <input type="text"/></p> <p>Phone Number: <input type="text"/></p> <p>Email Address: <input type="text"/></p> <p>Shipping Address: <input type="text"/></p> <p>City: <input type="text"/></p> <p>State: <input type="text"/></p> <p>Postcode: <input type="text"/></p> <p><input type="button" value="Submit"/></p>		

Figure 2.29: Front End Website Interface-Customer Choose and Fill Quantity of Product

Username: Password: Login

Forget Password

Breads

a selection of homemade butter spreads

BK

Company Name: Bakery King

Address: No 10, A-1-1, Jalan Satu Taman
Satu
Klang
51000 Selangor

Entrepreneur: Marisa May
Name:
Phone Number: 027983210
Email: baker@gmail.com
Bank Name: maybank
Account Name: Marisa
Account Number: 7499783

Customer Info

Full Name:
Phone Number:
Email Address:
Shipping Address:
City:
State:
Postcode:

Product List

Product Name: Cracker
Product Quantity Left: 10
Product Code: cc
Price per Unit: RM2.00
Description: Tasty cracker

Quantity:

Product Name: Biscuit
Product Quantity Left: 30
Product Code: bb
Price per Unit: RM2.00
Description: Best Biscuit Ever

Quantity:

Your Shopping Cart

1 Cracker

Price: cc
Qty: 3
Price: RM6.00
Subtotal: RM6

Total: RM6 Check-out

Figure 2.30: Front End Website Interface-Customer Add Cart

BK Bakery King

No 10, A-1-1, Jalan Satu Taman Satu
Klang
51000 Selangor

Full Name: Angelae Lee
Phone Number: 172459875
Email Address: angel@gmail.com
Shipping Address: No 10, Jalan Satu Taman Satu
City: Klang
State: Selangor
Postcode: 51000

Product Cart List

Product Name	Product Price	Quantity	Subtotal
Cracker	2.00	3	6.00

Figure 2.31: Front End Website Interface-Customer Checkout Cart



Figure 2.32: Front End Website Interface-Customer Invoice

2.3.8 Technology used to develop this system

➤ Cascading Style Sheet (CSS)

Cascading Style Sheets (CSS) is a style sheet language used to describe the look and format of document written in a markup language. Nowadays, it is often used to change the style of web pages and user interfaces written in HTML. CSS is used by most websites to create nice looking and attractive webpages and user interfaces for other web applications.

CSS can be separated into a single .css file and also embedded inside HTML. For separate file, it enables multiple HTML pages to share formatting by specifying the relevant CSS in a separate .css file. This separation can improve content accessibility, provide more flexibility and reduce complexity and repetition in the structural content.

➤ Programming Hypertext Preprocessor (PHP)

PHP is a widely used open source scripting language. This scripting language is used to execute in server. After the code has been executed, the result will return to browser in the form of plain HTML. PHP can generate dynamic page content through database. It can modify data inside database by adding, updating or deleting. It can run on various platforms such as Windows, Linux and so on and compatible with almost all servers used nowadays.

➤ Hypertext Markup Language (HTML)

HTML stands for Hyper Text Markup Language to describe web pages. The purpose of a web browser is to read HTML documents and compose them into visible or audible web pages. The browser does not display the HTML tags, but uses the tags to interpret the content of the page. HTML elements form the main foundation of all websites. HTML allows images and objects to be embedded. It provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items.

2.4 Development

2.4.1 Coding Explanation

```

if($_SERVER["REQUEST_METHOD"] == "POST") {
    $companyname = $_POST["companyname"];
    $ssm = $_POST["ssm"];
    $ssm2 = $_POST["ssm2"];
    $add1 = $_POST["add1"];
    $add2 = $_POST["add2"];
    $city = $_POST["city"];
    $state = $_POST["state"];
    $postcode = $_POST["postcode"];
    $phoneno = $_POST["phoneno"];
    $email = $_POST["email"];
    $accountno = $_POST["accountno"];
    $bank = $_POST["bank"];
    $accountname = $_POST["accountname"];
    $entrepreneurname = $_POST["entrepreneurname"];
    $gender = $_POST["gender"];
    $sta = $_POST["sta"];
    $username = $_POST["username"];
    $password = md5($_POST["password"]);
    $confirmpassword = $_POST["confirmpassword"];

    /*image store in database*/
    $file=$_FILES["image"]["tmp_name"];
    $image=addslashes(file_get_contents($_FILES["image"]["tmp_name"]));
    $image_name=addslashes($_FILES["image"]["name"]);

    move_uploaded_file($_FILES["image"]["tmp_name"],"products/" . time() . '_' .
$_FILES["image"]["name"]);

    $target_file="products/" . time() . '_' . $_FILES["image"]["name"];
    $image = $target_file;

    $file=$_FILES["images"]["tmp_name"];
    $images=addslashes(file_get_contents($_FILES["images"]["tmp_name"]));
    $image_name=addslashes($_FILES["images"]["name"]);

    move_uploaded_file($_FILES["images"]["tmp_name"],"products/" . time() . '_' .
$_FILES["images"]["name"]);

    $target_file="products/" . time() . '_' . $_FILES["images"]["name"];
    $images = $target_file;
    $query = "INSERT INTO register VALUES (',$companyname','$ssm','$ssm2',
'$add1','$add2','$city','$state','$postcode','$phoneno','$email','$accountno','$bank','$accountname','$entrepreneur
name','$gender','$sta','$image','$images','$username','$password','$confirmpassword')";
    $result = mysql_query($query, $conn);
    if($result)
    {
        echo "<script type='text/javascript'> window.location='index2.php' </script>";
    }
    $query = "SELECT * FROM register ORDER BY id DESC,companyname";
    $result = mysql_query($query, $conn);

    /*add session*/
    if($row = mysql_fetch_array($result)) {
        $_SESSION['id'] = $row['id'];
        $_SESSION['companyname'] = $row['companyname'];
    }
}

```

Figure 2.33: Data stored in database

This is the coding on how the entrepreneur key in data stored in database.

```

$query = "SELECT id,image FROM register WHERE id='".$_SESSION['id']."'";
$result = mysql_query($query, $conn);

while($row = mysql_fetch_array($result)) {
    $_SESSION['id'] = $row['id'];?>
    <a href="changeimg.php?id=?php echo $_SESSION['id']; ?>" style="z-index:3;position:relative;"
    class="action2">Update</a>
    <img src=?php echo $row['image']; ?>" height="175px" width="820px" style="margin:-40px 0 0 -10px;" />
    <?php }?>

```

Figure 2.34: Image data retrieve from database

This is the coding on how the image being retrieves from database.

```

$query = "SELECT
id,companyname,ssm,add1,add2,city,state,postcode,phoneno,email,accountno,bank,accountname,entrepreneurname,gender,sta FROM register WHERE id='".$_SESSION['id']."'";
$result = mysql_query($query, $conn);

while($row = mysql_fetch_array($result)) {
    $_SESSION['id'] = $row['id'];
    $companyname = $row['companyname'];
    $ssm = $row['ssm'];
    $add1 = $row['add1'];
    $add2 = $row['add2'];
    $city = $row['city'];
    $state = $row['state'];
    $postcode = $row['postcode'];
    $phoneno = $row['phoneno'];
    $email = $row['email'];
    $accountno = $row['accountno'];
    $bank = $row['bank'];
    $accountname = $row['accountname'];
    $entrepreneurname = $row['entrepreneurname'];
    $gender = $row['gender'];
    $sta = $row['sta'];
    ?>
    <h3></h3>
    <table>
    <tr><td><h3></h3></td></tr>
    <tr><td>Company Name: </td><td><?php echo $companyname; ?></td></tr>
    <tr><td>SSM: </td><td><?php echo $ssm; ?></td></tr>
    <tr><td>Sub Address 1: </td><td><?php echo $add1; ?></td></tr>
    <tr><td>Sub Address 2: </td><td><?php echo $add2; ?></td></tr>
    <tr><td>City: </td><td><?php echo $city; ?></td></tr>
    <tr><td>State: </td><td><?php echo $state; ?></td></tr>
    <tr><td>Postcode: </td><td><?php echo $postcode; ?></td></tr>
    <tr><td>Phone Number: </td><td><?php echo $phoneno; ?></td></tr>
    <tr><td>Email: </td><td><?php echo $email; ?></td></tr>
    <tr><td>Account Number: </td><td><?php echo $accountno; ?></td></tr>
    <tr><td>Bank Name: </td><td><?php echo $bank; ?></td></tr>
    <tr><td>Account Name: </td><td><?php echo $accountname; ?></td></tr>
    <tr><td>Entrepreneur Name: </td><td><?php echo $entrepreneurname; ?></td></tr>
    <tr><td>Gender: </td><td><?php echo $gender; ?></td></tr>
    <tr><td>Status: </td><td><?php echo $sta; ?></td></tr>
    </table>
    <div align="right"><a href="change.php?id=?php echo
    $_SESSION['id']; ?>">Update</a></div>
    <?php }?>

```

Figure 2.35: Text data retrieve from database

This is coding on how all data except for image being retrieves from database.

```

$_SESSION['id'] = $_GET['id'];

if(isset($_GET['id']))
{
$query = "SELECT id, password, confirmpassword, ssm, ssm2 FROM register WHERE id='".$_SESSION['id']."'";
$result = mysql_query($query, $conn) or die("Could not execute query in change.php");
$row = mysql_fetch_array($result, MYSQL_BOTH); // using numeric index or array index

        $password = $row["password"];
        $confirmpassword = $row["confirmpassword"];
        $_SESSION['ssm'] = $row["ssm"];
        $ssm2 = $row["ssm2"];
}

if (isset($_POST['update']))
{
if(md5($_POST['password']) != md5($_POST['confirmpassword']) && $_SESSION['ssm'] != $_POST['ssm2']){
echo '<script type="text/javascript">';
echo 'alert("Your password did not match and ssm number is wrong!");';
echo 'window.location.href="reset.php?id=' . $_SESSION['id'] . '";';
echo '</script>';
}else{
if(md5($_POST['password']) != md5($_POST['confirmpassword'])){
echo '<script type="text/javascript">';
echo 'alert("Your new and confirm password must be the same!");';
echo 'window.location.href="reset.php?id=' . $_SESSION['id'] . '";';
echo '</script>';
}else{
if ($_SESSION['ssm'] == $_POST['ssm2']){
$passwordmd5 = md5($_POST['password']);
$queryedit = "UPDATE register SET password = '$passwordmd5', ssm = '{$_POST['ssm']}', ssm2 =
'$_POST['ssm2']}' WHERE id='".$_SESSION['id']."'";

        $resultedit = mysql_query($queryedit, $conn) or die("Could not execute query in update.php");
        if($resultedit) {
            echo "<script type='text/javascript'> window.location='realindex.php?id={$_SESSION['id']}' </script>";
        }
}

}else{
//echo "<script type='text/javascript'> window.location='reset.php?id={$_SESSION['id']}' </script>";
echo '<script type="text/javascript">';
echo 'alert("Your ssm number is wrong!");';
echo 'window.location.href="reset.php?id=' . $_SESSION['id'] . '";';
echo '</script>';
}
}
}
}
}
}
}

```

Figure 2.36: Reset password

This is the coding on how the password being reset if entrepreneur forget password.

2.5 Implementation

To make this system work, the written code is implemented inside the interfaces created. The web programming I used to code this system is PHP, CSS, JavaScript and HTML. The database used in this system is MySQL. The database will link to the system in order to store the data user key in.

2.5.1 System Output

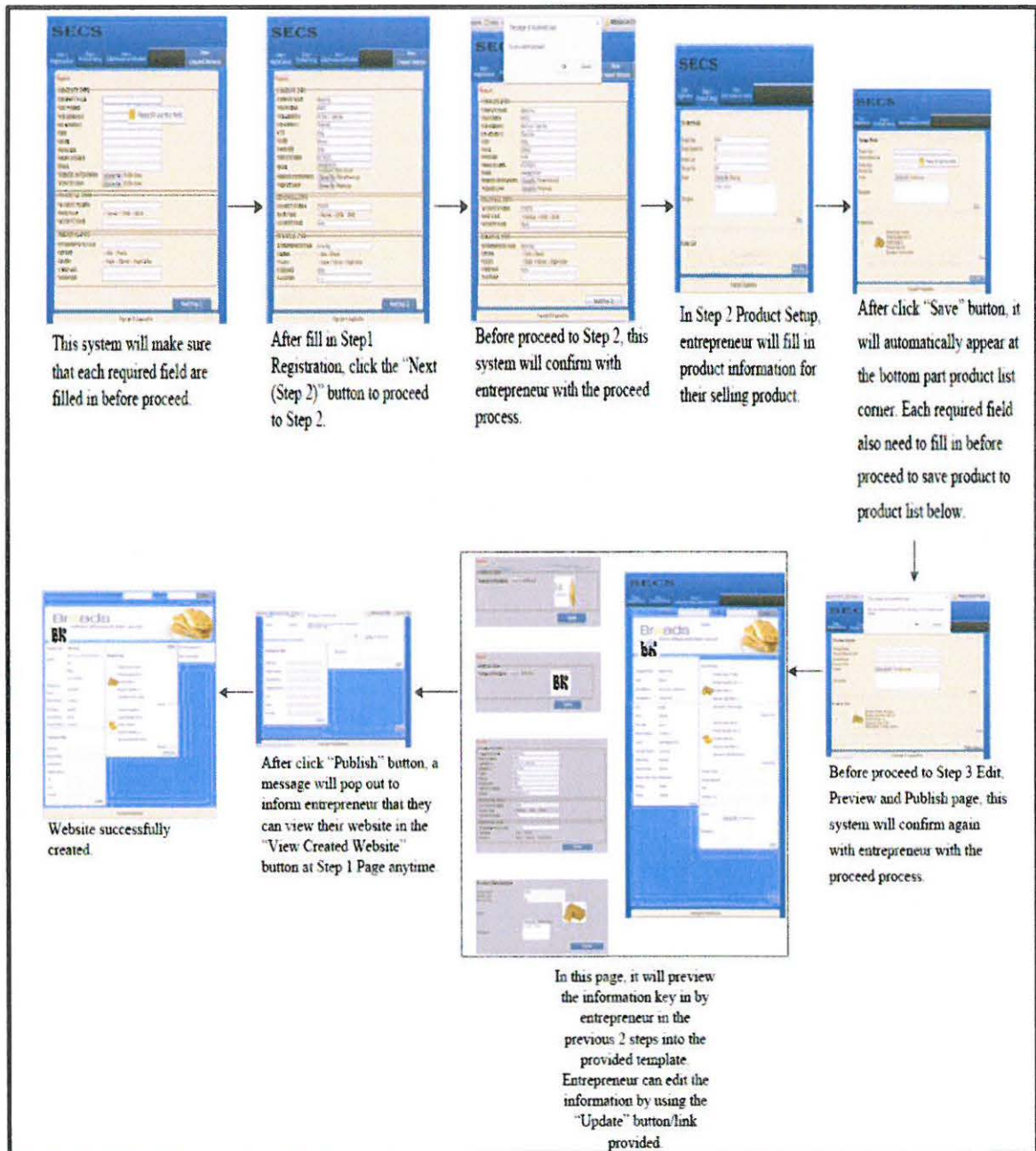


Figure 2.37: Website created by entrepreneur

The website successfully created.

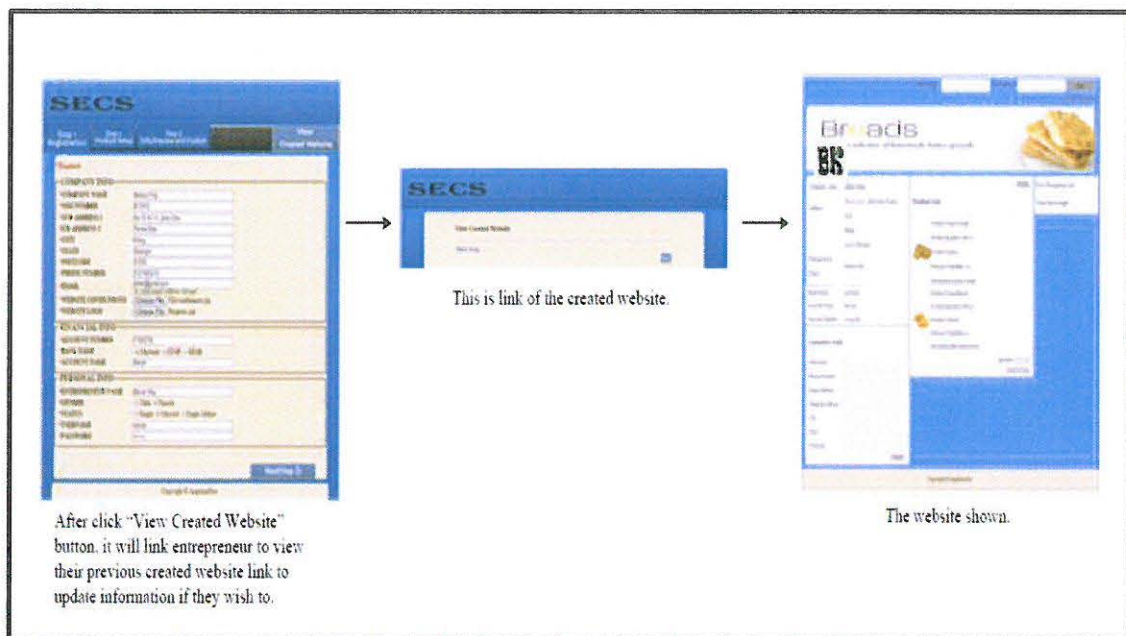


Figure 2.38: Website viewed by entrepreneur

After clicking the link of the created website, it will link entrepreneur to their website.

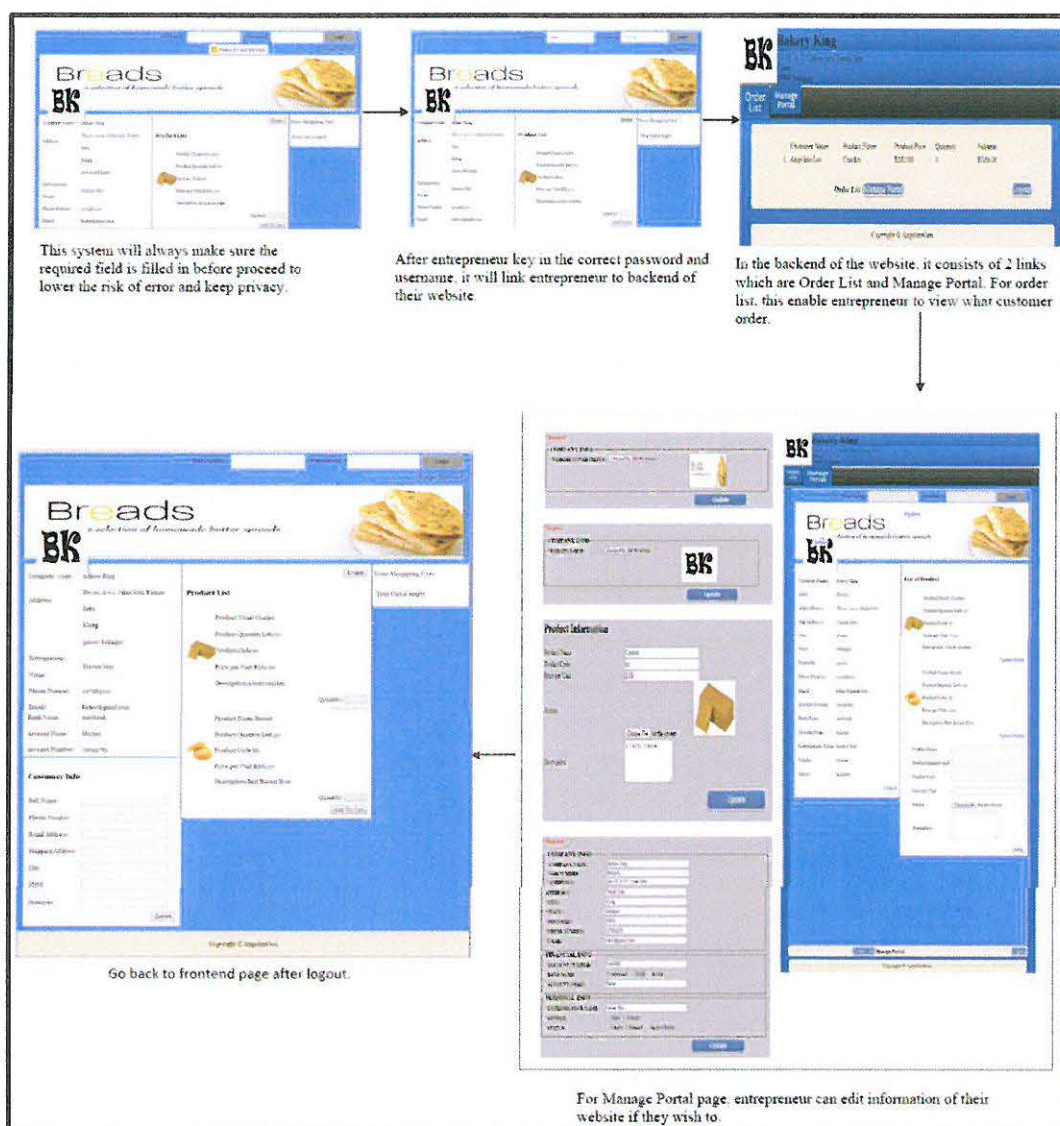
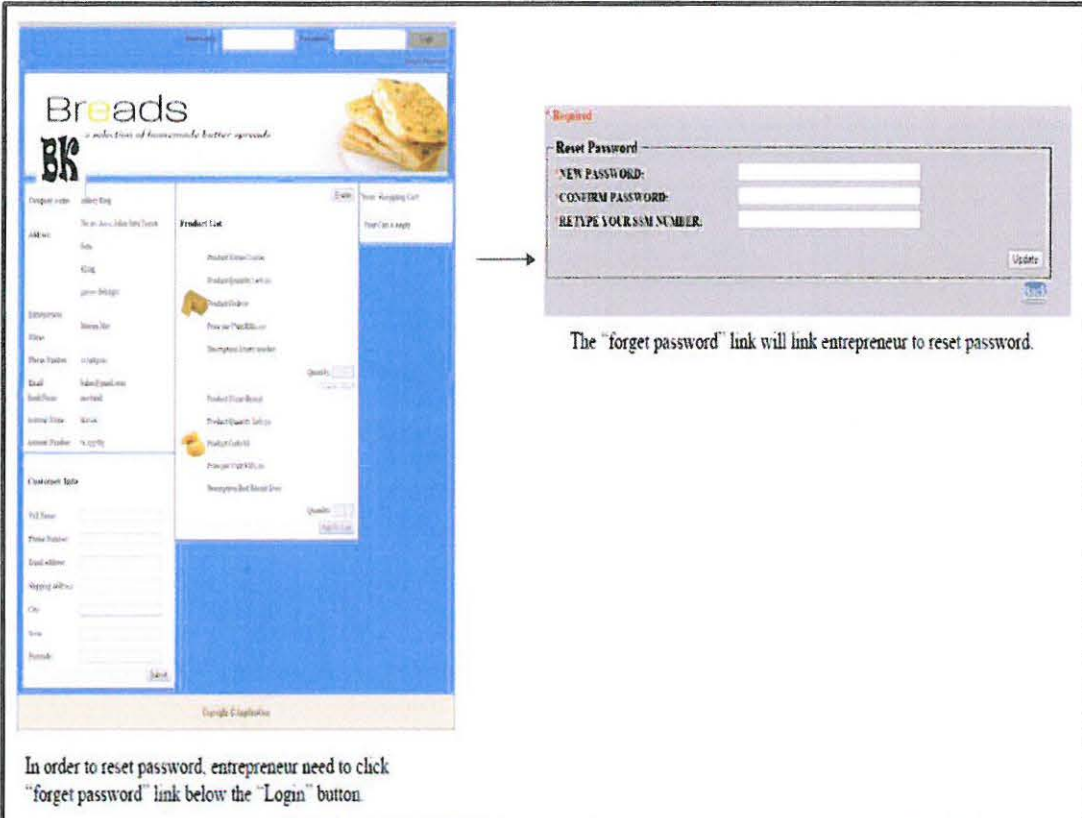


Figure 2.39: Backend of the created website

After finish viewing or editing at the backend, entrepreneur need to click “Logout” button to logout and back to front end customer view.



In order to reset password, entrepreneur need to click "forgot password" link below the "Login" button.

The "forgot password" link will link entrepreneur to reset password.

Figure 2.40: Password reset flow

After clicking "Reset", it will link entrepreneur to this page to fill in new password and retype their SSM number for security purposes. After finish filling, click "Update" button. If the SSM number matches, the new password will change in database and redirect entrepreneur back to front end to login. If not, it will redirect entrepreneur back to "reset password" page.

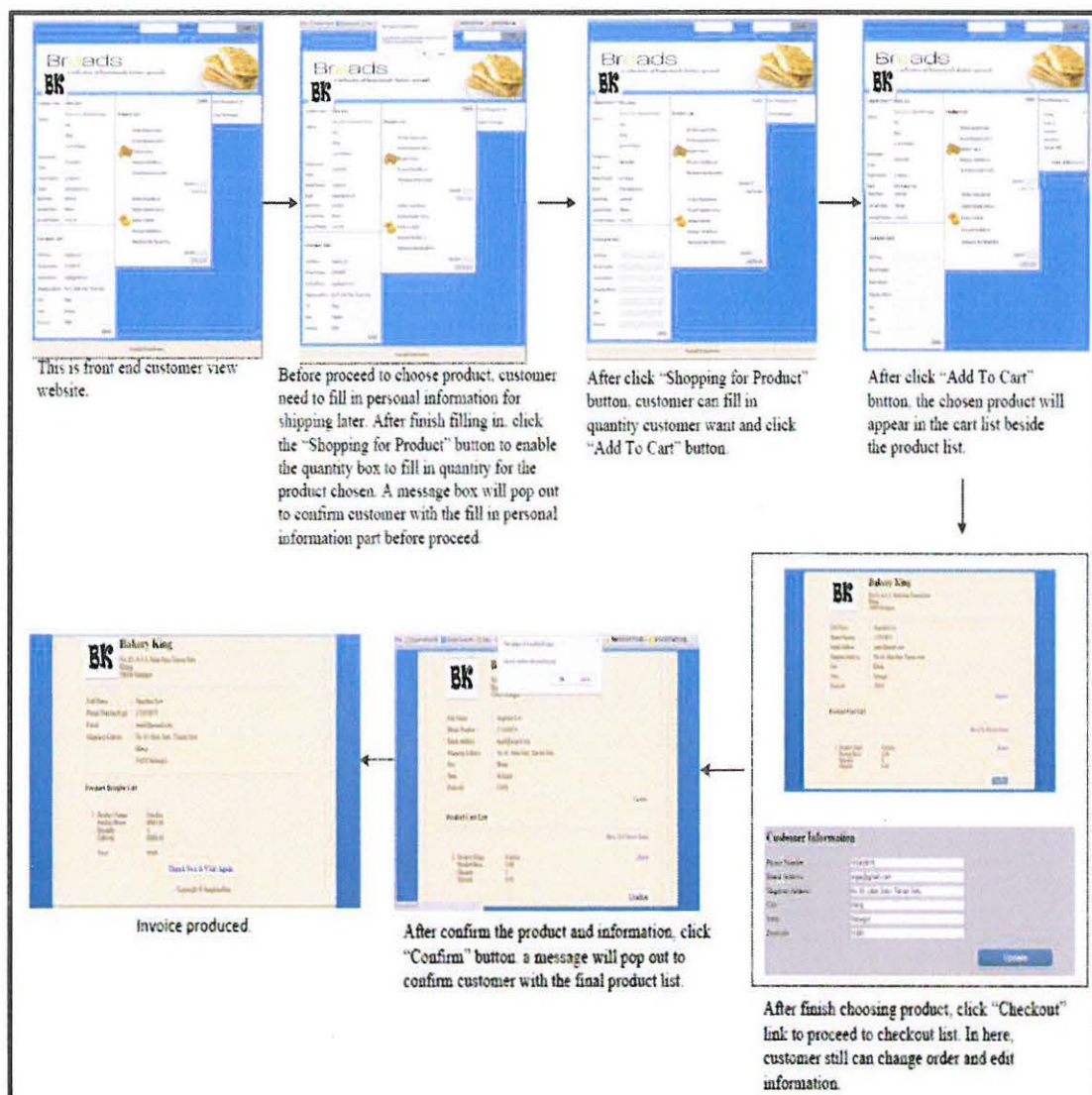


Figure 2.41: Flow of customer filling information and choosing information in front end website

If "Confirm" button is clicked, an invoice will appear with the customer and product information.

2.6 Testing


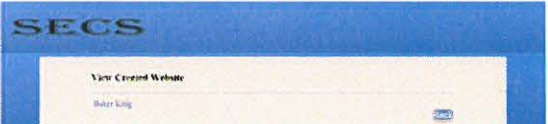
In this phase, the developed system is tested to see whether it meets all the requirements. It also covers function testing to make sure all functions are well function. The system is considered a success if it has met all the requirements of the client and if the system can run smoothly.

2.6.1 Functionalities Testing

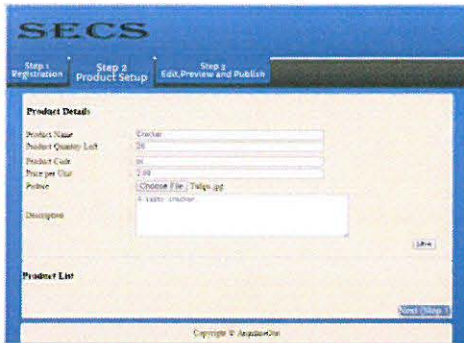
- Testing to see if all the requirements are met

The results of the testing show that all the user requirements were met.

Table 2.7: Requirement Fulfillment Table

Interface	Function	Requirement that was fulfilled
<p>Step 1-Company Registration Interface</p> 	<p>For entrepreneur to fill in their company and personal information to register.</p>	<p>Requirement 1</p>
<p>View Created Website Interface</p> 	<p>For entrepreneur to view their created website.</p>	<p>Requirement 11</p>

Step 2-Product Setup Interface



For entrepreneur to fill in their information for products.

Requirement 2



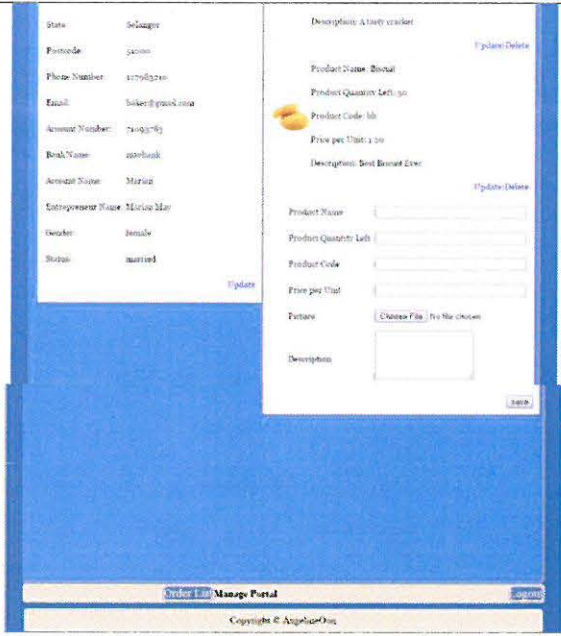
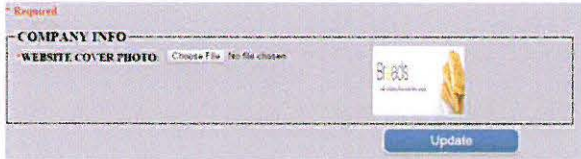

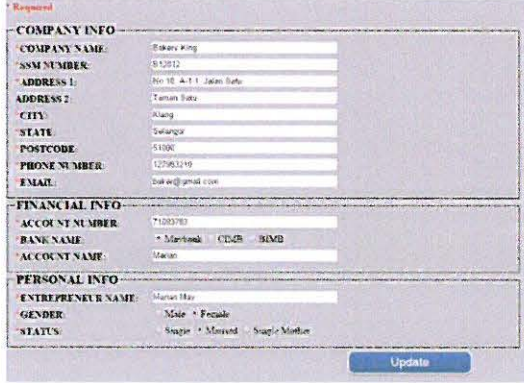
Step 3-Edit, Preview and Publish Interface

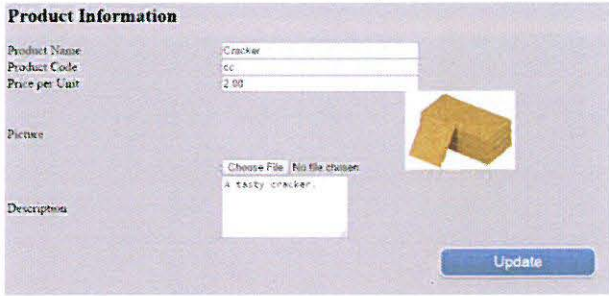
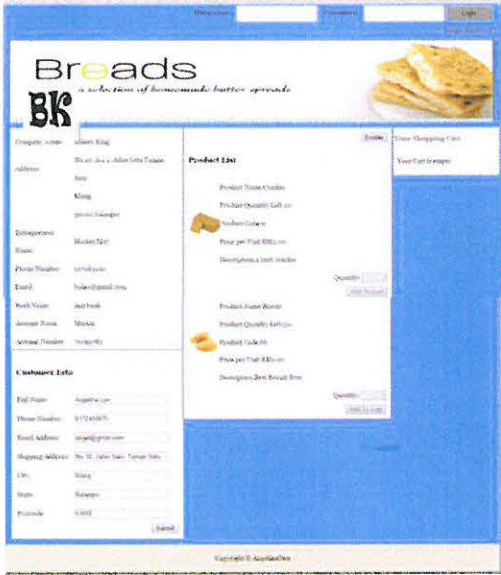



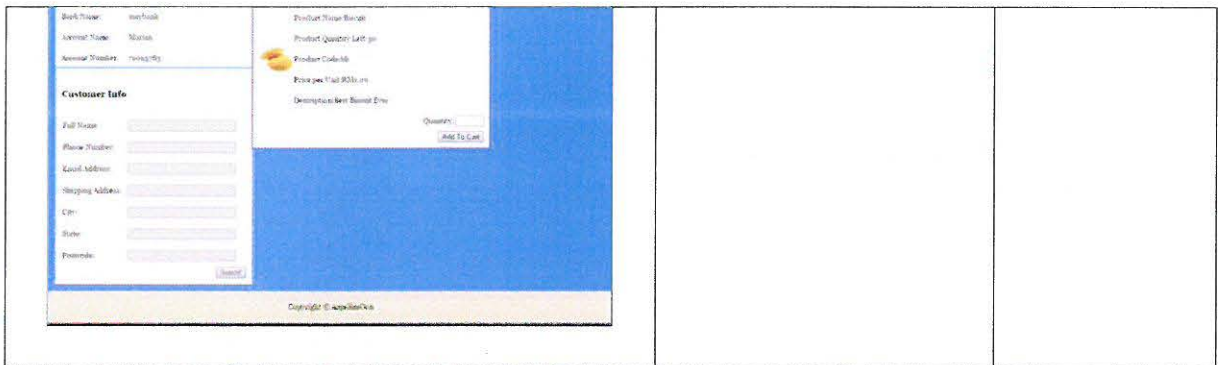
For entrepreneur to view and update before publish.

Requirements 3,4

		
<p>Step 3-Edit Interface (Website Cover Photo)</p> 	<p>For entrepreneur to update their website cover photo.</p>	<p>Requirements 5,6</p>
<p>Step 3-Edit Interface (Website Logo)</p> 	<p>For entrepreneur to update their website logo.</p>	<p>Requirements 5,6</p>
<p>Step 3-Edit Interface (Information)</p> 	<p>For entrepreneur to update their website information.</p>	<p>Requirements 5,6</p>
<p>Step 3-Edit Interface (Product Information)</p> 	<p>For entrepreneur to update their website products information.</p>	<p>Requirements 5,6</p>

 <p>The screenshot shows a web form with two main sections. The left section contains personal details: State (Selangor), Postcode (50000), Phone Number (017952261), Email (bakaw@pasir.com), Account Number (74092183), Bank Name (maybank), Account Name (Marian), Entrepreneur Name (Marian Bak), Gender (female), and Status (married). The right section contains product details: Description (A tasty cracker), Product Name (Biscuit), Product Quantity Left (30), Product Code (bb), Price per Unit (1.00), and Description (Best Biscuit Ever). Below these are input fields for Product Name, Product Quantity Left, Product Code, Price per Unit, and a 'Choose File' button for an image. There are 'Update' and 'Delete' buttons for both sections. The footer includes 'Order List Manage Portal' and 'Copyright © ApplioSoft'.</p>		
<p>Manage Portal -Edit Interface (Website Cover Photo)</p>  <p>The screenshot shows a form section titled 'COMPANY INFO' with a sub-section 'WEBSITE COVER PHOTO'. It features a 'Choose File' button, a preview of a 'Bakaw' logo with a cracker, and an 'Update' button.</p>	<p>For entrepreneur to update their website cover photo.</p>	<p>Requirement 8</p>
<p>Manage Portal -Edit Interface (Website Logo)</p>  <p>The screenshot shows a form section titled 'COMPANY INFO' with a sub-section 'WEBSITE LOGO'. It features a 'Choose File' button, a preview of a 'BK' logo, and an 'Update' button.</p>	<p>For entrepreneur to update their website logo.</p>	<p>Requirement 8</p>
<p>Manage Portal -Edit Interface (Information)</p>  <p>The screenshot shows a form section titled 'COMPANY INFO' with sub-sections for 'COMPANY INFO', 'FINANCIAL INFO', and 'PERSONAL INFO'. The 'COMPANY INFO' section includes fields for Company Name (Bakaw King), SSM Number (S12012), Address 1 (No 10, A-11 Jalan Batu), Address 2 (Taman Batu), City (Klang), State (Selangor), Postcode (51000), Phone Number (127952261), and Email (bakaw@gmail.com). The 'FINANCIAL INFO' section includes Account Number (71203783), Bank Name (Maybank), and Account Name (Marian). The 'PERSONAL INFO' section includes Entrepreneur Name (Marian Bak), Gender (Male/Female), and Status (Single/Married/Single Mother). An 'Update' button is at the bottom.</p>	<p>For entrepreneur to update their website information.</p>	<p>Requirement 8</p>

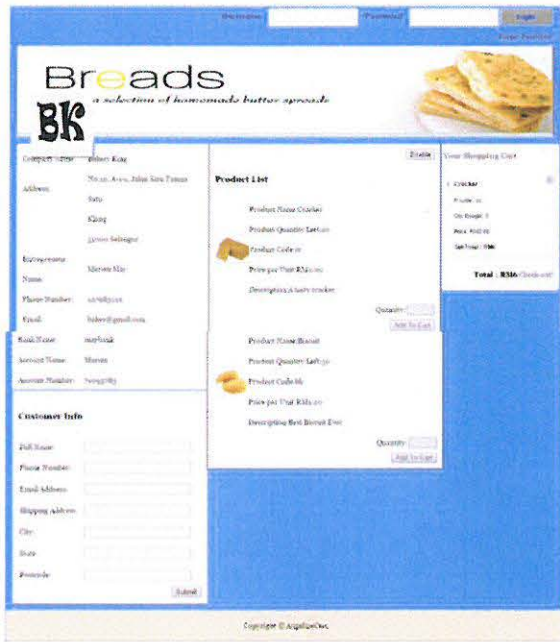
<p align="center">Manage Portal -Edit Interface (Product Information)</p> 	<p>For entrepreneur to update their information for products.</p>	<p>Requirement 8</p>
<p align="center">Front End Website Interface-Customer Fill In Personal Information</p> 	<p>For customer to fill in personal information before choose and add quantity to product they want.</p>	<p>Requirements 12,13</p>
<p align="center">Front End Website Interface-Customer Choose and Fill Quantity of Product</p> 	<p>For customer to choose and add quantity to product they want.</p>	<p>Requirements 12,13</p>



Front End Website Interface-Customer Add Cart

For customer after they finish fill in quantity, they need to add cart to cart list.

Requirement 14

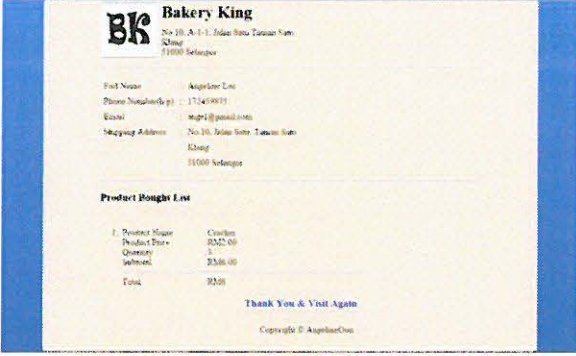


Front End Website Interface-Customer Checkout Cart

For customer to confirm buying.

Requirement 15



Front End Website Interface-Customer Invoice	Invoice for customer.	Requirement												
 <p>BK Bakery King No. 10, A-1-1, Jalan Besar, Taman Sora, Klang 41000 Selangor</p> <p>Full Name: Angeline Lee Phone Number(s): 172479971 Email: mgp1@gmail.com Shipping Address: No. 10, Jalan Besar, Taman Sora, Klang 41000 Selangor</p> <p>Product Bought List</p> <table border="1"> <thead> <tr> <th>Product Name</th> <th>Product Price</th> <th>Quantity</th> <th>Subtotal</th> </tr> </thead> <tbody> <tr> <td>Product Name</td> <td>1022.00</td> <td>2</td> <td>2044.00</td> </tr> <tr> <td>Total</td> <td></td> <td></td> <td>2044.00</td> </tr> </tbody> </table> <p>Thank You & Visit Again Copyright © AngelineLee</p>	Product Name	Product Price	Quantity	Subtotal	Product Name	1022.00	2	2044.00	Total			2044.00	Invoice for customer.	Requirement 16
Product Name	Product Price	Quantity	Subtotal											
Product Name	1022.00	2	2044.00											
Total			2044.00											

➤ Functionality Acceptance Test

This is the Functionality Acceptance Test. This test is tested by my client to test all the function for this system.

(Please refer to Appendix A for the tested result.)

FUNCTIONALITY ACCEPTANCE TEST

Tested by (Name) : _____

Date : _____

Result Pass

Fail

Overall Comment:

1.0 Website Generate Part

Purpose	To test the functionalities of website generate part of this system.
Pre-condition	None
Test steps	<ol style="list-style-type: none"> 1. Test for validation for all required fields. 2. Test for confirmation to proceed to next page. 3. Test for validation of the email format and some non-special character allowed or only number allowed or only alphabet allowed. 4. Test for all update link for image and text. 5. Test for "Publish" button.
Expected result	<ol style="list-style-type: none"> 1. A message box will pop out to tell entrepreneur to key in the field before proceed. 2. After pressing the "Next" button, a confirmation box will pop out to ask entrepreneur whether want to proceed to next step/page. 3. When entrepreneur type in not email format in email textbox, a message will pop out to tell entrepreneur to key in correct format for email address. 4. In the specific textbox that required "only number" or "only alphabet" or "special character not allowed", a message will pop out to tell entrepreneur immediately after user key in inside the textbox. 5. The update button will link entrepreneur to the update page to update information (text or image). 6. After clicking "Publish" button, the website created is appear in the next screen and auto generate folder for that specific created website will appear inside "htdocs" in this demonstration condition. A message box will pop out to tell entrepreneur website created and can view inside "View Created Website" button in future if want.
Note	All the proceed button inside the website generate part which are "Step 1", "Step 2" and "Step 3" are same pattern. All the interfaces are the same for website generate part.
Result	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Tester Comment	

Tested By (Name): _____

Date : _____

2.0 Backend of Created Website Part

Purpose	To test the functionalities of backend of created website part of this system.
Pre-condition	After the website is created.
Test steps	<ol style="list-style-type: none"> 1. Test for the link button at the bottom of the all backend pages. 2. Test for all update link for image and text.
Expected result	<ol style="list-style-type: none"> 1. The first link button will link entrepreneur to “Order List” page to view customer order in the website and second link button will link user to “Manage Portal” page. 2. The update button will link entrepreneur to the update page to update information (text or image).
Note	All the proceed button inside the backend of created website part which are “Order List”, “Manage Portal” and “Logout” are same pattern. All the interfaces are the same for backend of created website part.
Result	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Tester Comment	

Tested By (Name): _____

Date : _____

3.0 Login for Entrepreneur Only in Frontend Created Website Part

Purpose	To test the functionalities of login for entrepreneur only in frontend created website part in this system.
Pre-condition	After the website is created.
Test steps	<ol style="list-style-type: none"> 1. Test for "Login" button. 2. Test for validation for all required fields.
Expected result	<ol style="list-style-type: none"> 1. After login successfully, it will link entrepreneur to the backend of the created website. 2. A message box will pop out to tell entrepreneur to key in the field before proceed.
Note	The "Login" button is different from all proceed button. The login button is gray color with blue color font.
Result	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Tester Comment	

Tested By (Name): _____

Date : _____

4.0 Logout for Entrepreneur Only in from Backend Created Website Part

Purpose	To test the functionalities of logout for entrepreneur only from backend created website part in this system.
Pre-condition	After the website is created.
Test steps	1. Test for "Logout" button.
Expected result	1. After logout successfully, it will link entrepreneur to the frontend of the created website.
Note	All the proceed button inside the backend of created website part which are "Order List", "Manage Portal" and "Logout" are same pattern. All the interfaces are the same for backend of created website part.
Result	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Tester Comment	

Tested By (Name): _____

Date : _____

5.0 Frontend of Created Website Part

Purpose	To test the functionalities of producing invoice for the buying from customer
Pre-condition	After the website is created.
Test steps	<ol style="list-style-type: none"> 1. Test for "Customer Personal Information Submit" button. 2. Test for validation for all required fields. 3. Test for "Shopping for Product" button. 4. Test for "Add To Cart" button. 5. Test for "Checkout" button. 6. Test for update link for customer personal information. 7. Test for "back to choose product" link. 8. Test for "Confirm" button.
Expected result	<ol style="list-style-type: none"> 1. After "Customer Personal Information Submit" button is clicked, it will link customer back to the same page to continue the other part, choosing product. 2. A message box will pop out to tell user to key in the field before proceed. 3. After "Shopping for Product" button is clicked, a confirmation box will pop out to confirm customer whether filled the information before proceed to choose product. 4. After "Add To Cart" button is clicked, the chosen product will go to the cart list. A product can be added at a time. 5. After "Checkout" button is clicked, it will link customer to confirmation cart and information page. 6. After update link for updating cart is clicked, it will link customer to update page. 7. After "back to choose product" link is clicked, it will link customer back to the front/main page just now to choose product. 8. After "Confirm" button is clicked, it will link customer to see the invoice produced. Before that, a message box will pop out to confirm with customer whether finish choosing product.
Note	All the proceed button inside the created website are same pattern. The interfaces for "Confirmation Cart and Information" page and "Invoice" page have company logo, name and address.
Result	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Tester Comment	

Tested By (Name):

Date : _____

6.0 View Created Website by entrepreneur only Part

Purpose	To test the functionalities entrepreneur view the created website
Pre-condition	After the website is created.
Test steps	1. Test for the “Website” link produced.
Expected result	1. After entrepreneur click their created website link, it will link entrepreneur to the website created by them. They can view or update website information and also view customer order list.
Note	The interface for “View Created Website” page has company logo, name and address.
Result	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Tester Comment	

Tested By (Name): _____

Date : _____

7.0 Forget Password Entrepreneur Part

Purpose	To test the functionalities entrepreneur reset password
Pre-condition	After the website is created.
Test steps	1. Test for the process of reset password when entrepreneur forget password.
Expected result	1. After entrepreneur click "Forget Password" link, it will link entrepreneur to fill in new password, confirm password and ssm number to confirm is the person itself or not. 2. After finish filling, click "Reset".
Note	The interface for "View Created Website" page has company logo, name and address.
Result	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Tester Comment	

Tested By (Name): _____

Date : _____

2.6.2 User Testing

This survey is conducted to entrepreneur who has less computer literacy and little or no knowledge about web technology. After they testing this system, survey form will be released for them to fill in to see whether this system is satisfied to them and how they feel with the function of insert and edit image and text feature is convenient to them.

(Please refer to Appendix B for the tested result.)

Simplified E-Content System Satisfaction Survey

1. Are you familiar with all the icon shows inside this system compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
2. Is the insert text feature in this system direct and clear to you compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
3. Is the insert image feature in this system direct and clear to use for you compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
4. Is the edit feature in this system is clear to understand and uses compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
5. Do you know where to update the information in preview page (Step 3) compare with existing Content Management System (CMS) in market?
 Yes No Same as CMS
6. Is this one way form filling based system easy to use compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS

	1 shows least satisfied and 5 shows very satisfied				
	1	2	3	4	5
Overall satisfaction level					

Table 2.8: Survey Percentage Table 1

Questions	Yes	No	Same as CMS
1) Are you familiar with all the icon shows inside this system compare with the existing Content Management System (CMS) in market?	83.33%	0%	16.67%
2) Is the insert text feature in this system direct and clear to you compare with the existing Content Management System (CMS) in market?	100%	0%	0%
3) Is the insert image feature in this system direct and clear to use for you compare with the existing Content Management System (CMS) in market?	50%	0%	50%
4) Is the edit feature in this system is clear to understand and uses compare with the existing Content Management System (CMS) in market?	66.67%	16.67%	16.67%
5) Do you know where to update the information in preview page (Step 3) compare with existing Content Management System (CMS) in market?	83.33%	16.67%	0%
6) Is this one way form filling based system easy to use compare with the existing Content Management System (CMS) in market?	83.33%	0%	16.67%

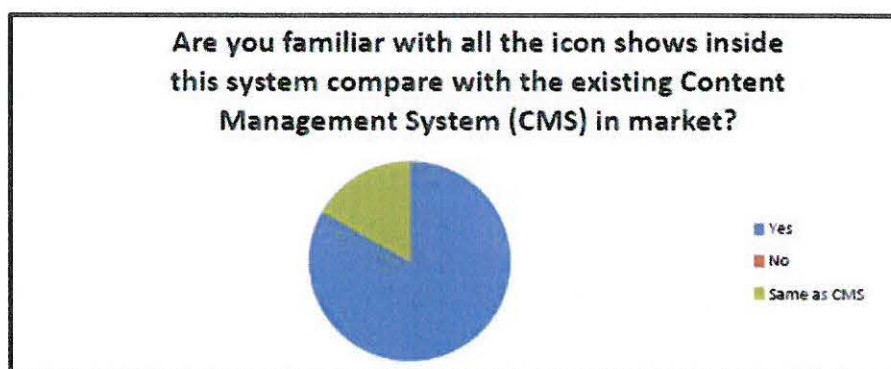


Figure 2.42: Question 1

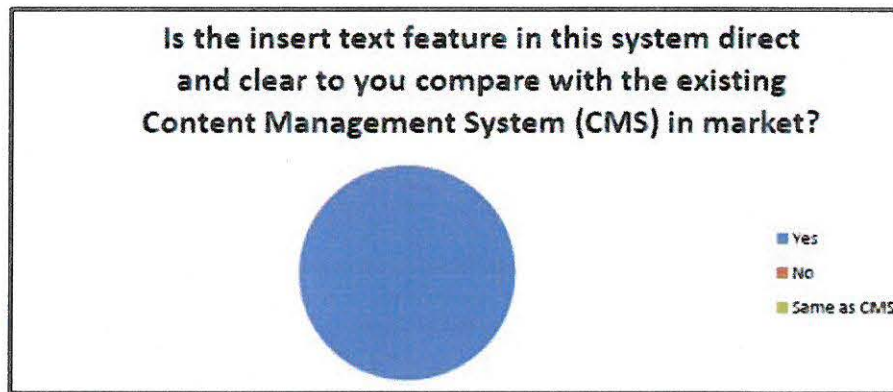


Figure 2.43: Question 2

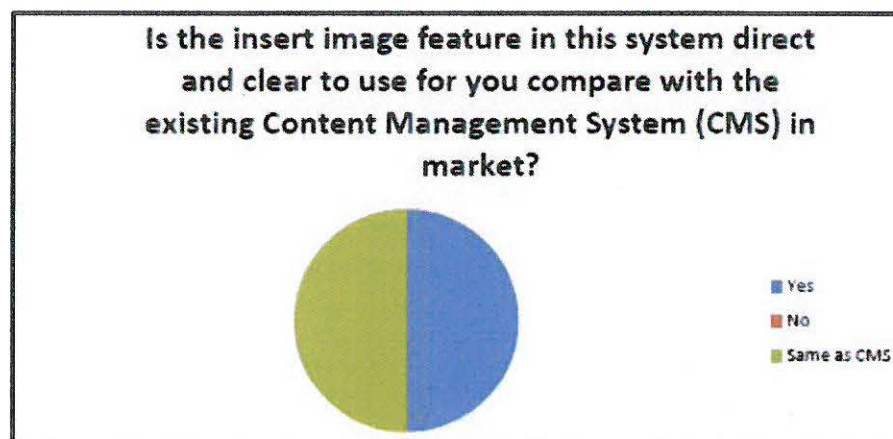


Figure 2.44: Question 3

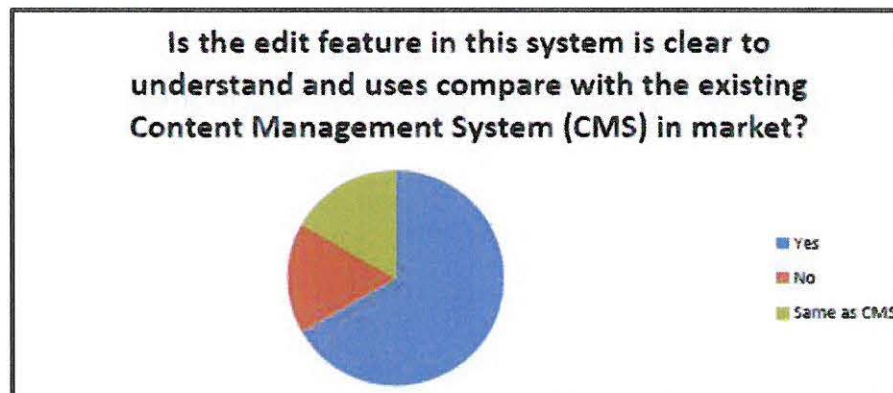


Figure 2.45: Question 4

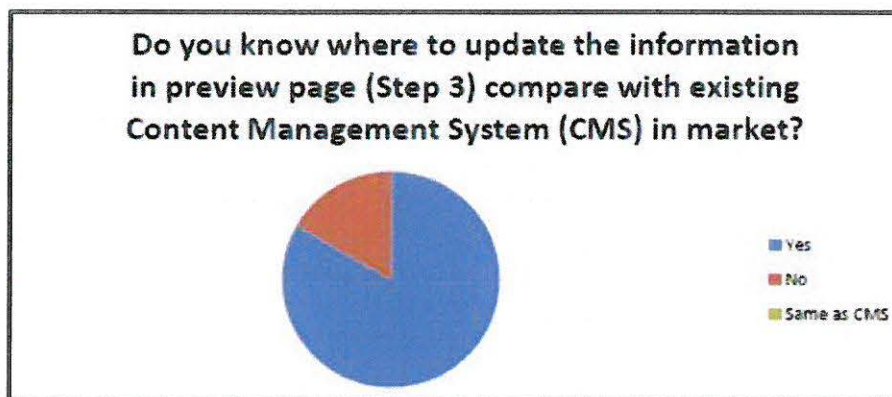


Figure 2.46: Question 5

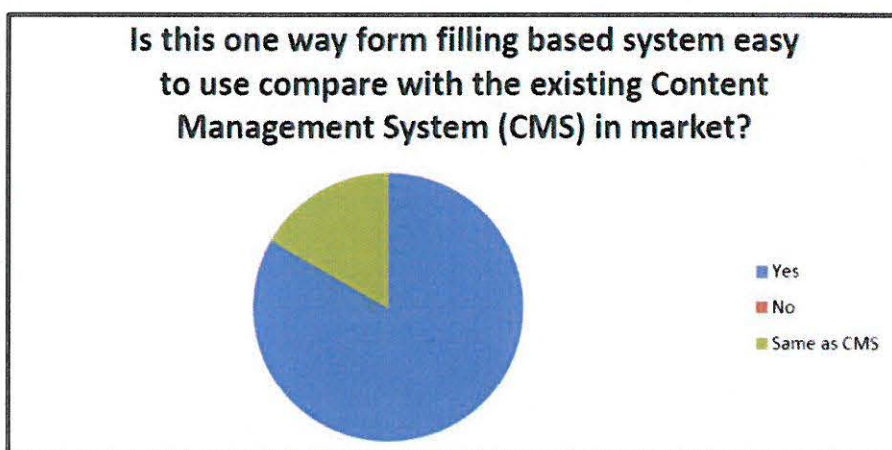


Figure 2.47: Question 6

Table 2.9: Survey Percentage Table 2

	1 shows least satisfied and 5 shows very satisfied				
	1	2	3	4	5
Overall satisfaction level	0%	0%	50%	50%	0%

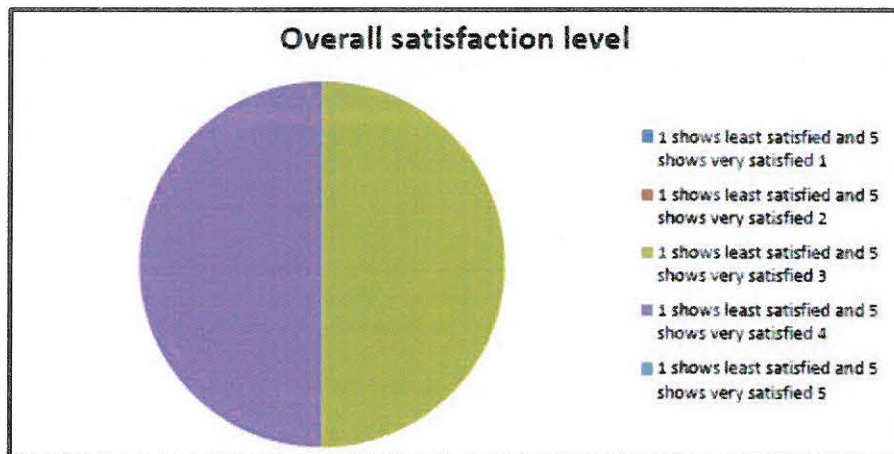


Figure 2.48: Overall Satisfaction

From the conducted survey above, it shows those users (entrepreneur) are moderately satisfied with this system. They feel that insert text feature in this system is direct and clear to use. For the insert image feature in this system, they feel that this feature almost same as Content Management System in the market. Most of them know where to update information in the preview page and they feel more direct and clear. Most of them feel that this system is easy to use compare with Content Management System in market.

2.7 Maintenance

Maintenance is needed if there is error happen during this system running from time to time. With the code fixing or any correction to solve the error of the system, documentation will be updated as well.

3. CONCLUSION

3.1 Conclusion and Recommendation

By developing this system, entrepreneur who with less computer literacy and little or no knowledge in web technology (html, FTP, MySQL, etc.) may not worry on how to promote their product and sell their product online. By using this system, they are able to create website by themselves for their business by only fill in information like filling form.

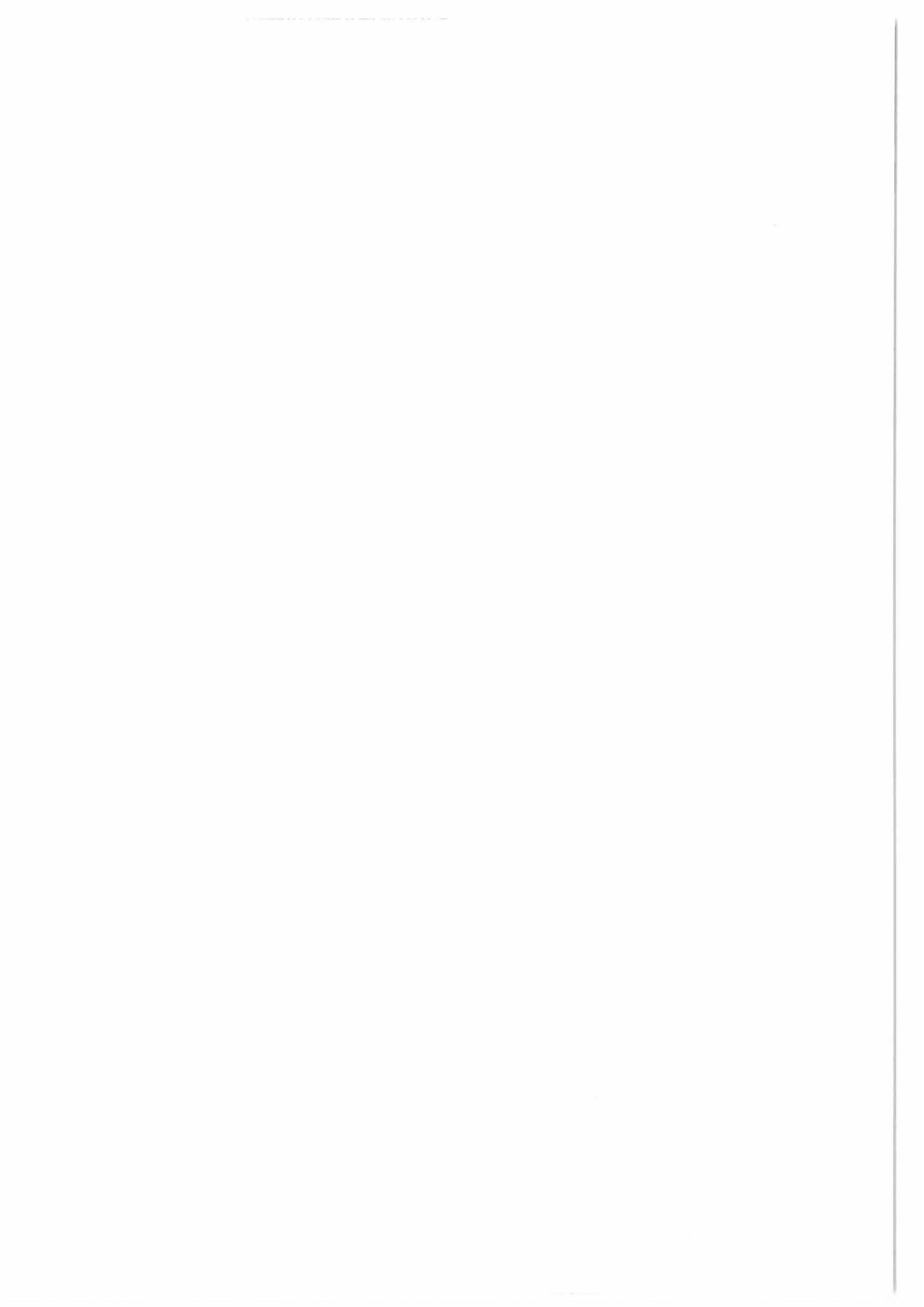
There is a constraint encountered when plan on the flow of this system. The original plan is the process of sending email of invoice to customer. Due to the size of my whole folder is too large to fit in webhost I tested, the process of buying sending email of invoice to customer in this system may stop at the invoice produced.

There is an advantage in this system which is entrepreneur who with less computer literacy and little or no knowledge in web technology (html, FTP, MySQL, etc.) is able to create website by them by using this system

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APPENDICES
APPENDIX A
FUNCTIONALITY ACCEPTANCE TEST



Functionality Acceptance Test

Tested by (Name) : ABBAS SYLIM/LOKMAN

Date : 19/12/2014

Result



Pass



Fail

ABBAS SYLIM/LOKMAN
Unit 10, Jalan Pahlawan 2/2
Ekskavasi, Ampang Jaya
Unit 10, Jalan Pahlawan 2/2
Ekskavasi, Ampang Jaya
Tel: 09-5292423

Overall Comment:

Can be improved.

1.0 Website Generate Part

Purpose	To test the functionalities of website generate part of this system.
Pre-condition	None
Test steps	<ol style="list-style-type: none"> 1. Test for validation for all required fields. 2. Test for confirmation to proceed to next page. 3. Test for validation of the email format and some non-special character allowed or only number allowed or only alphabet allowed. 4. Test for all update link for image and text. 5. Test for "Publish" button.
Expected result	<ol style="list-style-type: none"> 1. A message box will pop out to tell entrepreneur to key in the field before proceed. 2. After pressing the "Next" button, a confirmation box will pop out to ask entrepreneur whether want to proceed to next step/page. 3. When entrepreneur type in not email format in email textbox, a message will pop out to tell entrepreneur to key in correct format for email address. 4. In the specific textbox that required "only number" or "only alphabet" or "special character not allowed", a message will pop out to tell entrepreneur immediately after user key in inside the textbox. 5. The update button will link entrepreneur to the update page to update information (text or image). 6. After clicking "Publish" button, the website created is appear in the next screen and auto generate folder for that specific created website will appear inside "htdocs" in this demonstration condition. A message box will pop out to tell entrepreneur website created and can view inside "View Created Website" button in future if want.
Note	All the proceed button inside the website generate part which are "Step 1", "Step 2" and "Step 3" are same pattern. All the interfaces are the same for website generate part.
Result	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
Tester Comment	<p><i>Ok. Work with session. (PHP)</i></p>

Tested By (Name):

Date : 19/12/2014

2.0 Backend of Created Website Part

Purpose	To test the functionalities of backend of created website part of this system.
Pre-condition	After the website is created.
Test steps	<ol style="list-style-type: none"> 1. Test for the link button at the bottom of the all backend pages. 2. Test for all update link for image and text.
Expected result	<ol style="list-style-type: none"> 1. The first link button will link entrepreneur to "Order List" page to view customer order in the website and second link button will link user to "Manage Portal" page. 2. The update button will link entrepreneur to the update page to update information (text or image).
Note	All the proceed button inside the backend of created website part which are "Order List", "Manage Portal" and "Logout" are same pattern. All the interfaces are the same for backend of created website part.
Result	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
Tester Comment	<p><i>ok. Also used session (PHP).</i></p>

Tested By (Name):

Date : 19/12/2014

5.0 Frontend of Created Website Part

Purpose	To test the functionalities of producing invoice for the buying from customer
Pre-condition	After the website is created.
Test steps	<ol style="list-style-type: none"> 1. Test for "Customer Personal Information Submit" button. 2. Test for validation for all required fields. 3. Test for "Shopping for Product" button. 4. Test for "Add To Cart" button. 5. Test for "Checkout" button. 6. Test for update link for customer personal information. 7. Test for "back to choose product" link. 8. Test for "Confirm" button.
Expected result	<ol style="list-style-type: none"> 1. After "Customer Personal Information Submit" button is clicked, it will link customer back to the same page to continue the other part, choosing product. 2. A message box will pop out to tell user to key in the field before proceed. 3. After "Shopping for Product" button is clicked, a confirmation box will pop out to confirm customer whether filled the information before proceed to choose product. 4. After "Add To Cart" button is clicked, the chosen product will go to the cart list. A product can be added at a time. 5. After "Checkout" button is clicked, it will link customer to confirmation cart and information page. 6. After update link for updating cart is clicked, it will link customer to update page. 7. After "back to choose product" link is clicked, it will link customer back to the front/main page just now to choose product. 8. After "Confirm" button is clicked, it will link customer to see the invoice produced. Before that, a message box will pop out to confirm with customer whether finish choosing product.
Note	All the proceed button inside the created website are same pattern. The interfaces for "Confirmation Cart and Information" page and "Invoice" page have company logo, name and address.
Result	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
Tester Comment	<i>Ok. Can be improved.</i>

Tested By (Name): P. S. J.

Date : 19/12/2024


6.0 View Created Website by entrepreneur only Part


Purpose	To test the functionalities entrepreneur view the created website
Pre-condition	After the website is created.
Test steps	1. Test for the "Website" link produced.
Expected result	1. After entrepreneur click their created website link, it will link entrepreneur to the website created by them. They can view or update website information and also view customer order list.
Note	The interface for "View Created Website" page has company logo, name and address.
Result	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
Tester Comment	List of created website based on company names.

Tested By (Name): P. S. J.

Date : 19/12/2024

7.0 Forget Password Entrepreneur Part

Purpose	To test the functionalities entrepreneur reset password
Pre-condition	After the website is created.
Test steps	1. Test for the process of reset password when entrepreneur forget password.
Expected result	1. After entrepreneur click "Forget Password" link, it will link entrepreneur to fill in new password, confirm password and ssm number to confirm is the person itself or not. 2. After finish filling, click "Reset".
Note	The interface for "View Created Website" page has company logo, name and address.
Result	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
Tester Comment	

Tested By (Name): 

Date : 19/12/2024

APPENDIX B
SURVEY FORM

Simplified E-Content System Satisfaction Survey

1. Are you familiar with all the icon shows inside this system compare with the existing Content Management System (CMS) in market?

Yes No Same as CMS

2. Is the insert text feature in this system direct and clear to you compare with the existing Content Management System (CMS) in market?

Yes No Same as CMS

3. Is the insert image feature in this system direct and clear to use for you compare with the existing Content Management System (CMS) in market?

Yes No Same as CMS

4. Is the edit feature in this system is clear to understand and uses compare with the existing Content Management System (CMS) in market?

Yes No Same as CMS

5. Do you know where to update the information in preview page (Step 3) compare with existing Content Management System (CMS) in market?

Yes No Same as CMS

6. Is this one way form filling based system easy to use compare with the existing Content Management System (CMS) in market?

Yes No Same as CMS

	1 shows least satisfied and 5 shows very satisfied				
	1	2	3	4	5
Overall satisfaction level			✓		

Simplified E-Content System Satisfaction Survey

1. Are you familiar with all the icon shows inside this system compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
2. Is the insert text feature in this system direct and clear to you compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
3. Is the insert image feature in this system direct and clear to use for you compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
4. Is the edit feature in this system is clear to understand and uses compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
5. Do you know where to update the information in preview page (Step 3) compare with existing Content Management System (CMS) in market?
 Yes No Same as CMS
6. Is this one way form filling based system easy to use compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS

	1 shows least satisfied and 5 shows very satisfied				
	1	2	3	4	5
Overall satisfaction level			<input checked="" type="checkbox"/>		

Simplified E-Content System Satisfaction Survey

1. Are you familiar with all the icon shows inside this system compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
2. Is the insert text feature in this system direct and clear to you compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
3. Is the insert image feature in this system direct and clear to use for you compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
4. Is the edit feature in this system is clear to understand and uses compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
5. Do you know where to update the information in preview page (Step 3) compare with existing Content Management System (CMS) in market?
 Yes No Same as CMS
6. Is this one way form filling based system easy to use compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS

	1 shows least satisfied and 5 shows very satisfied				
	1	2	3	4	5
Overall satisfaction level				/	

Simplified E-Content System Satisfaction Survey

1. Are you familiar with all the icon shows inside this system compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
2. Is the insert text feature in this system direct and clear to you compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
3. Is the insert image feature in this system direct and clear to use for you compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
4. Is the edit feature in this system is clear to understand and uses compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS
5. Do you know where to update the information in preview page (Step 3) compare with existing Content Management System (CMS) in market?
 Yes No Same as CMS
6. Is this one way form filling based system easy to use compare with the existing Content Management System (CMS) in market?
 Yes No Same as CMS

	1 shows least satisfied and 5 shows very satisfied				
	1	2	3	4	5
Overall satisfaction level			/		

Simplified E-Content System Satisfaction Survey

1. Are you familiar with all the icon shows inside this system compare with the existing Content Management System (CMS) in market?
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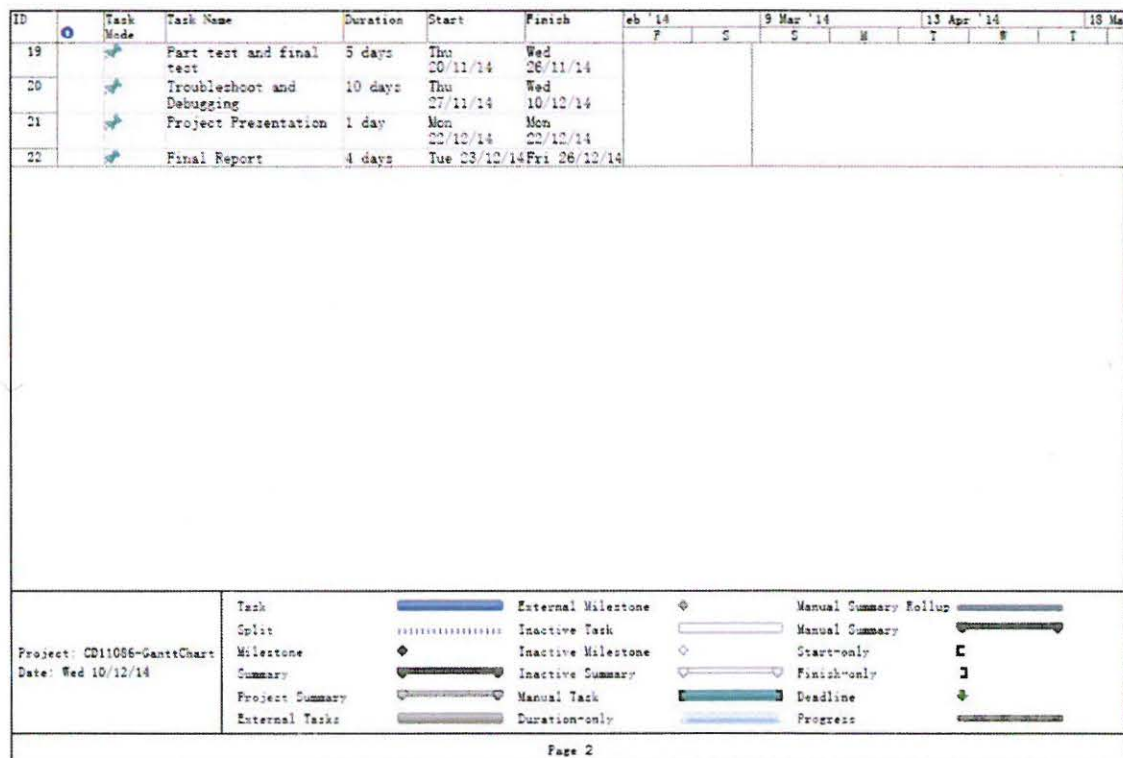
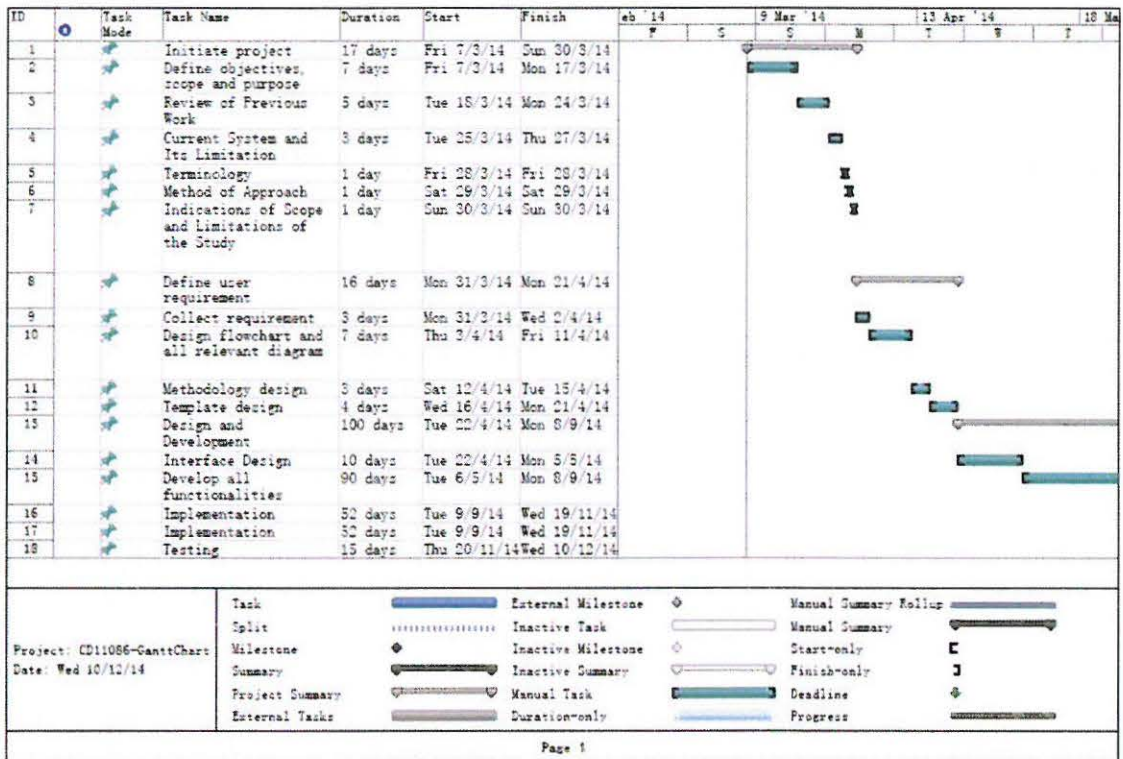
	1 shows least satisfied and 5 shows very satisfied				
	1	2	3	4	5
Overall satisfaction level				<input checked="" type="checkbox"/>	

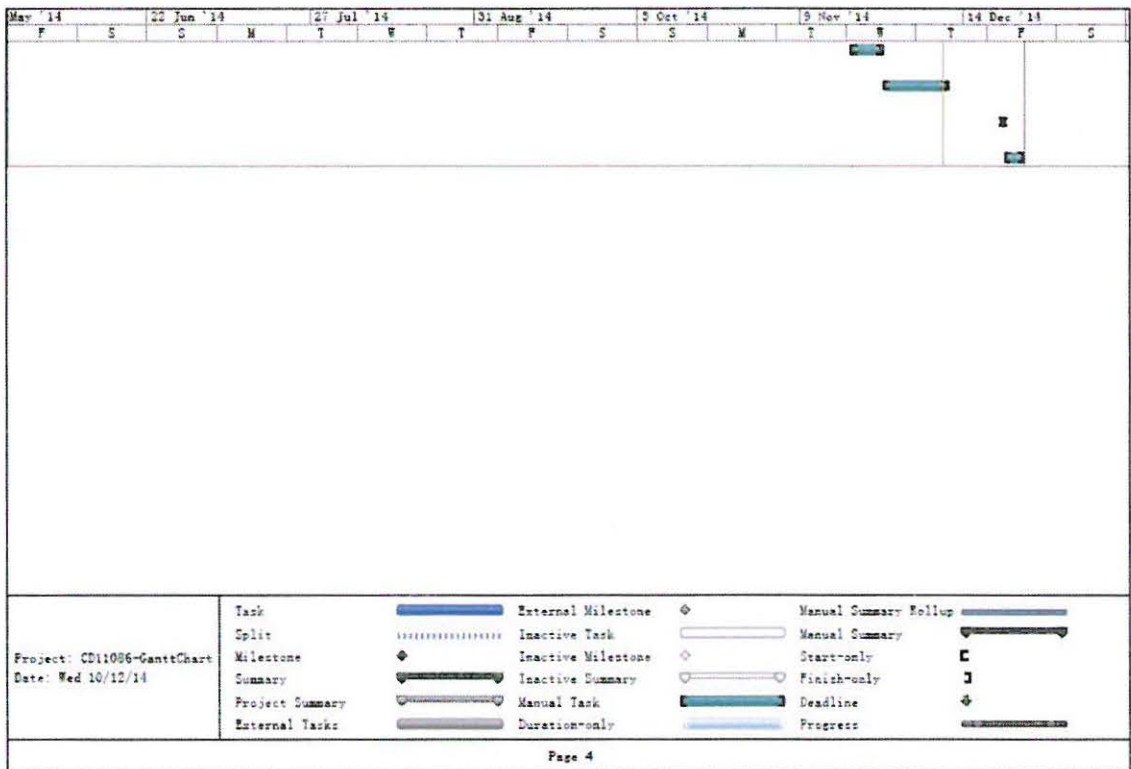
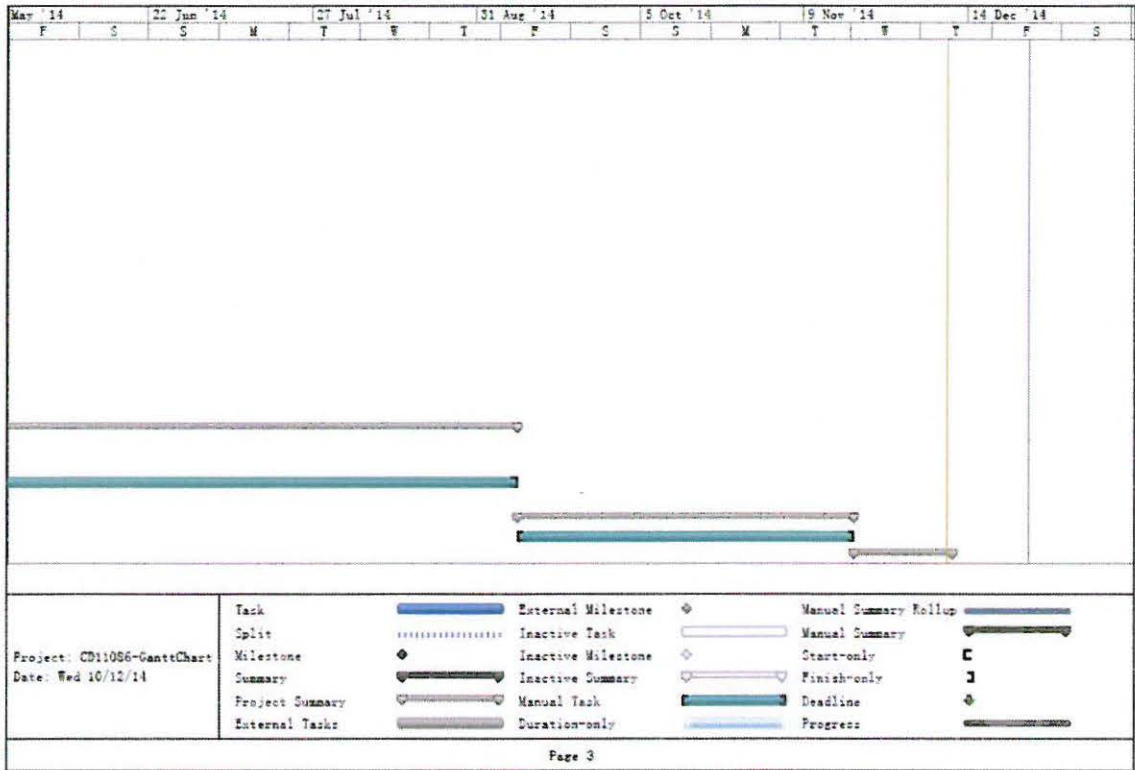
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	1 shows least satisfied and 5 shows very satisfied				
	1	2	3	4	5
Overall satisfaction level				/	

APPENDIX C
GANTT CHART





APPENDIX D
TURNITIN SCREENSHOT

2.3.2 Technology used to develop this system

2.3.2.1 Cascading Style Sheet (CSS)

Cascading Style Sheet (CSS) is a style sheet language used to describe the look and layout of documents written in a marking language. Nowadays, it is often used to change the style of web pages and user interfaces written in HTML. CSS is used by most websites to create nice looking and attractive webpages and user interfaces for other web applications.

CSS can be separated into a single .css file and also embedded inside HTML. For separate file, it enables multiple HTML pages to share formatting by specifying the relevant CSS in a separate .css file. This separation has several advantages: provide more flexibility and reduce inconsistency and repetition in the structural content.

2.3.2.1 Hypertext Preprocessor (PHP)

PHP is a widely used open source scripting language. This scripting language is used to create web server. After the code has been executed, the result will return to browser in the form of plain HTML. PHP can generate dynamic page content through database. It can modify data inside database by adding, updating or deleting. It can run on various platforms such as Windows, Linux and so on and compatible with almost all servers and browsers.

2.3.2.1 Hypertext Markup Language (HTML)

HTML is made for Hyper Text Markup Language to describe web pages. The purpose of a web browser is to read HTML documents and convert them into visible or audible user pages. The browser does not display the HTML tags, but uses the tags to interpret the content of the page. HTML elements form the main foundation of all web sites. HTML allows images and objects to be embedded. It provides a means to create structured documents by defining structural semantics for text such as headings, paragraphs, lists, links, quotes and other things.

Match Overview

Rank	Source	Percentage
1	Submitted to Universiti Student paper	7%
2	www.8-bratang-capeto... Internet source	4%
3	Submitted to Queenia... Student paper	2%
4	en.wikipedia.org Internet source	1%
5	Submitted to Colorado... Student paper	1%
6	theestate.org Internet source	1%
7	Submitted to Nelson M... Student paper	<1%