Online Shopping Cart (OSC)

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APPROVAL

This **Project/Thesis** titled "**Online Shopping Cart**", submitted by **Hossain Mohammad Hero**, **132-35-501** to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc in Software Engineering and approved as to its style and contents.

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DECLARATION

We hereby declare that this project report has been done by us under the supervision of Mr. Md. Shohel Arman, Lecturer,Department of Software Engineering, Daffodil International University. We also declare that neither this report nor any part of this report has been submitted elsewhere for award of any degree.

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1 Introduction

1.1 Overview:

Online Shopping Cart (OSC) is a web-based application by which customers can directly purchase various goods. They do not need to go to shop to buy their desire product. This project is an attempt to provide the advantages of online shopping to customers of a real shop. It helps buying the products in the shop anywhere through internet.

1.2 Objectives:

- ✓ To develop an easy way to use web-based interface where users can search for product view the details of the product and order it without going to market.
- ✓ The searching product can be done by product category, manufacturer as well as latest product, view it purchase it become a convenient way for customer.
- ✓ Customer can add goods to cart to purchase, delete the goods from cart before selecting the last process.
- ✓ A user can view the full specification of the goods with various images.
- ✓ It saves the shopping time of customer.
- ✓ It also facilitates the service provider to know the current stats of market and take decision which product are selling more nowadays and have to keep in store.

1.3 Scope:

Following are the scope of the developed systems:

For Customer:

To buy product from online customer have to registered

Customer view products by selecting category. Customer buy products to cart, delete from cart before submission

Customer give deliver place for his products.

For Admin:

Admin can add category, view, publish, edit, delete.

Admin can add products, view, publish, unpublished, edit, delete.

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1.4 Benefits and Beneficiaries:

Following are the benefit from the administrative view:

- ✓ Easy to access
- ✓ Large stock form
- ✓ better deals
- ✓ Easy to manage the full system

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2 Requirement Analysis

2.1 Requirement analysis

We analyze the listed requirement

Customer requirements

Date requirements

Process requirements

2.1.1 Customer Requirements:

- Knowing how to cart or not to cart in the shopping cart
- Search and add goods in the list
- Back to the previous page of the site after cart items in the shopping cart
- Needs buttons or shopping links
- From home page to other page or order for fixed goods

2.1.2 Date Requirements:

- Customer can view goods anytime but to buy goods in shopping cart that's time needs to login or to register.
- Admin can select the category of goods. Admin maintain it from the admin panel to view customer.
- Admin can add goods, remove goods, update goods.
- Admin maintain the whole system from admin panel.

2.1.3 Process Requirements

The following some process requirements are needed for the better result of the system:

- Need a admin to access information of the system.
- Customer need a user id to buy goods
- Admin can add, remove, edit, view, update category, goods and others information
- To buy goods customer needs user id. Otherwise not possible to add goods to cart

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2.2 Use case Diagram

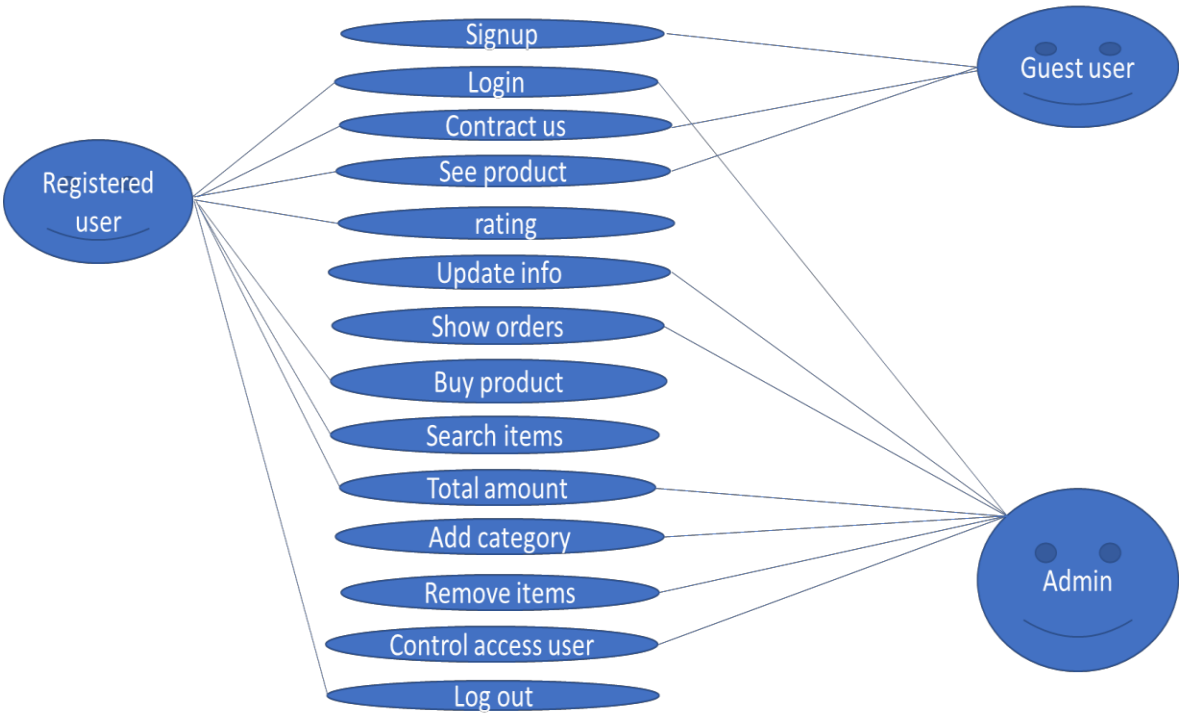

Figure 1: Use Case

2.3 Data Flow Diagram (DFD)

2.3.1 Context Level Diagram:

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Figure 2: Context Level Diagram

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2.3.2 First Level DFD:

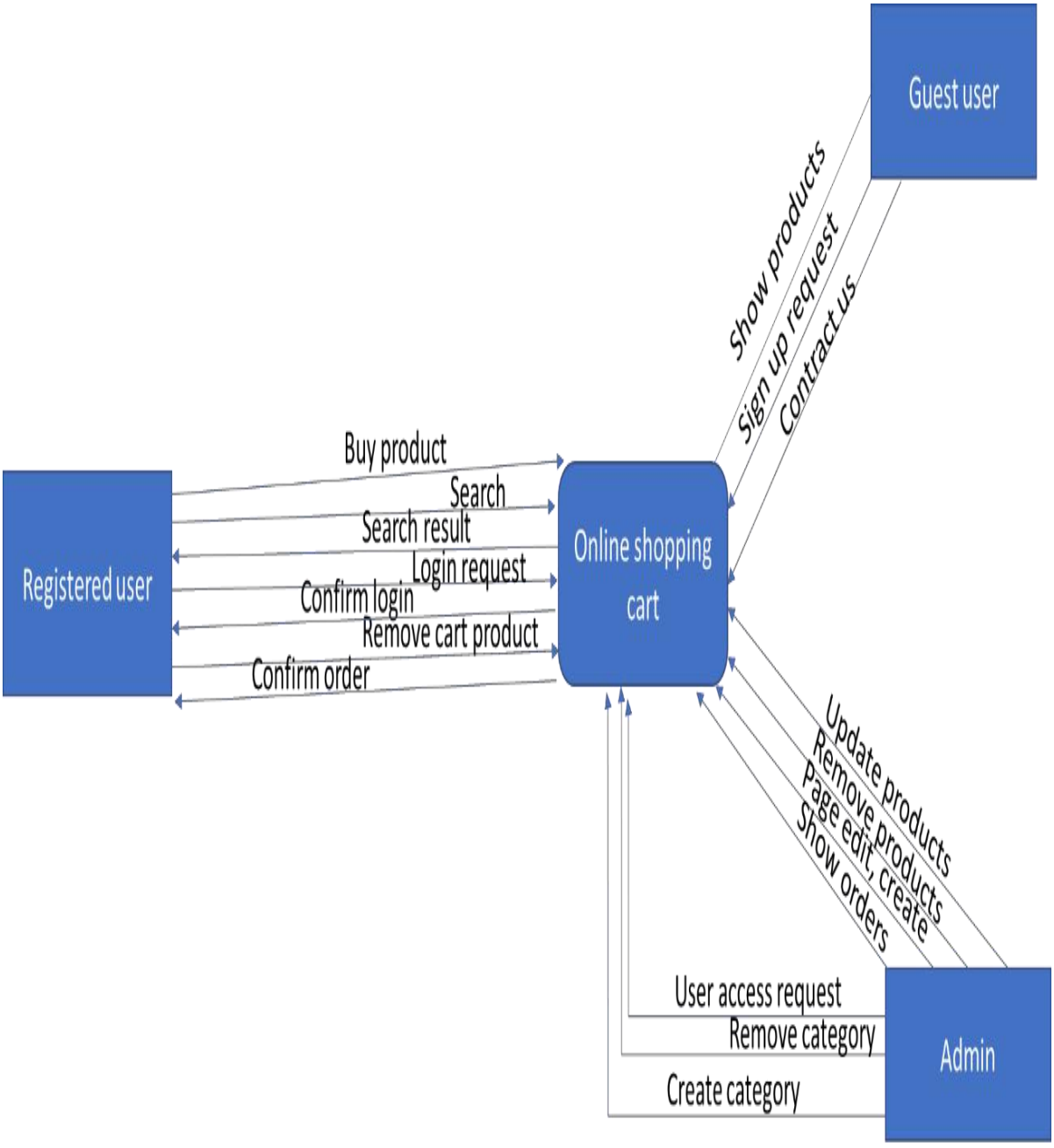

Figure 3: Level 1 DFD

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2.4ER Diagram

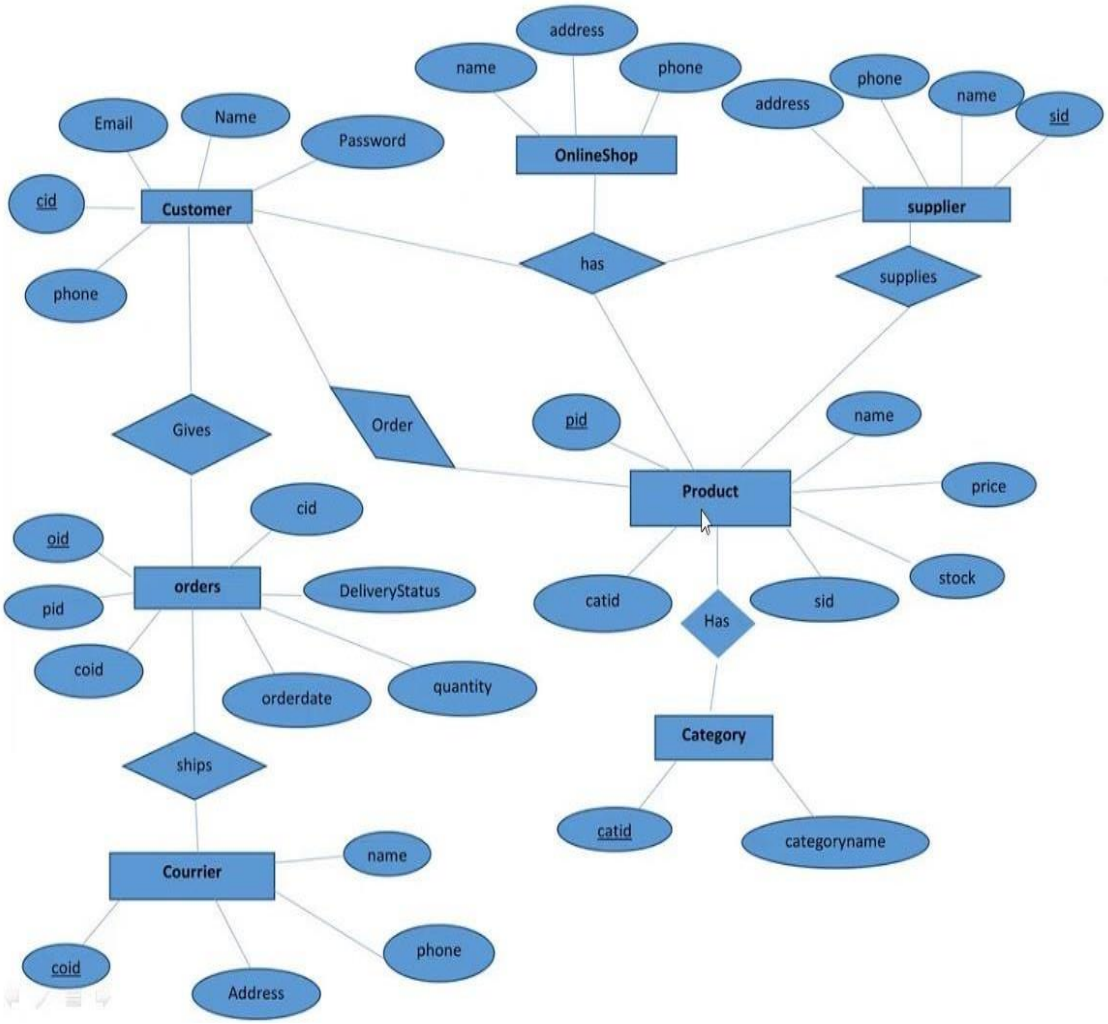

Figure 4: ER Diagram

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2.5 Activity Diagram

Client need to enter their email & password to enter the system. If they successfully logged in then they are able to browse the system otherwise again enter their login details to enter the system.

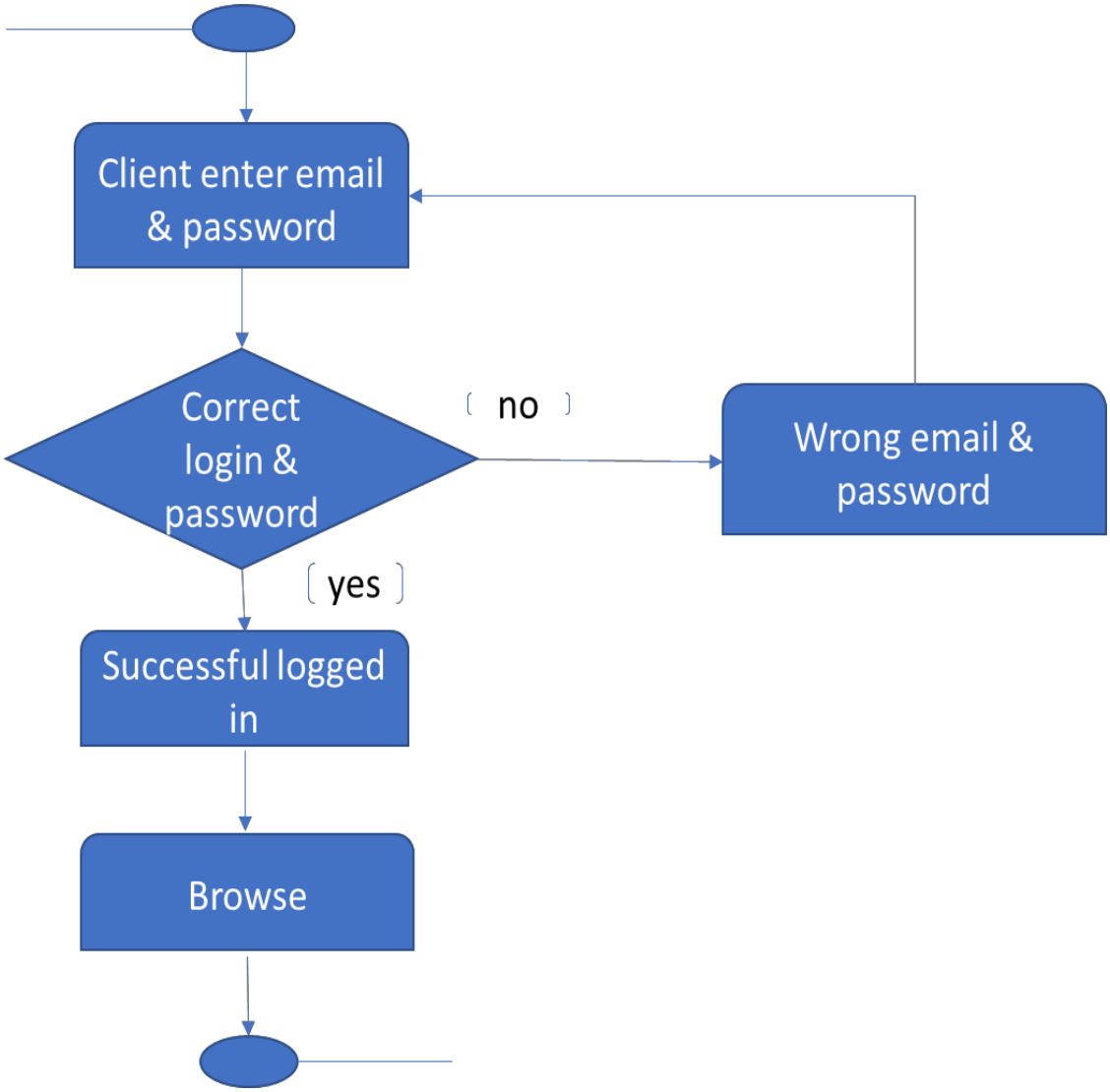

Figure 5: Activity Diagram 1

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2.6 Activity Diagram 2

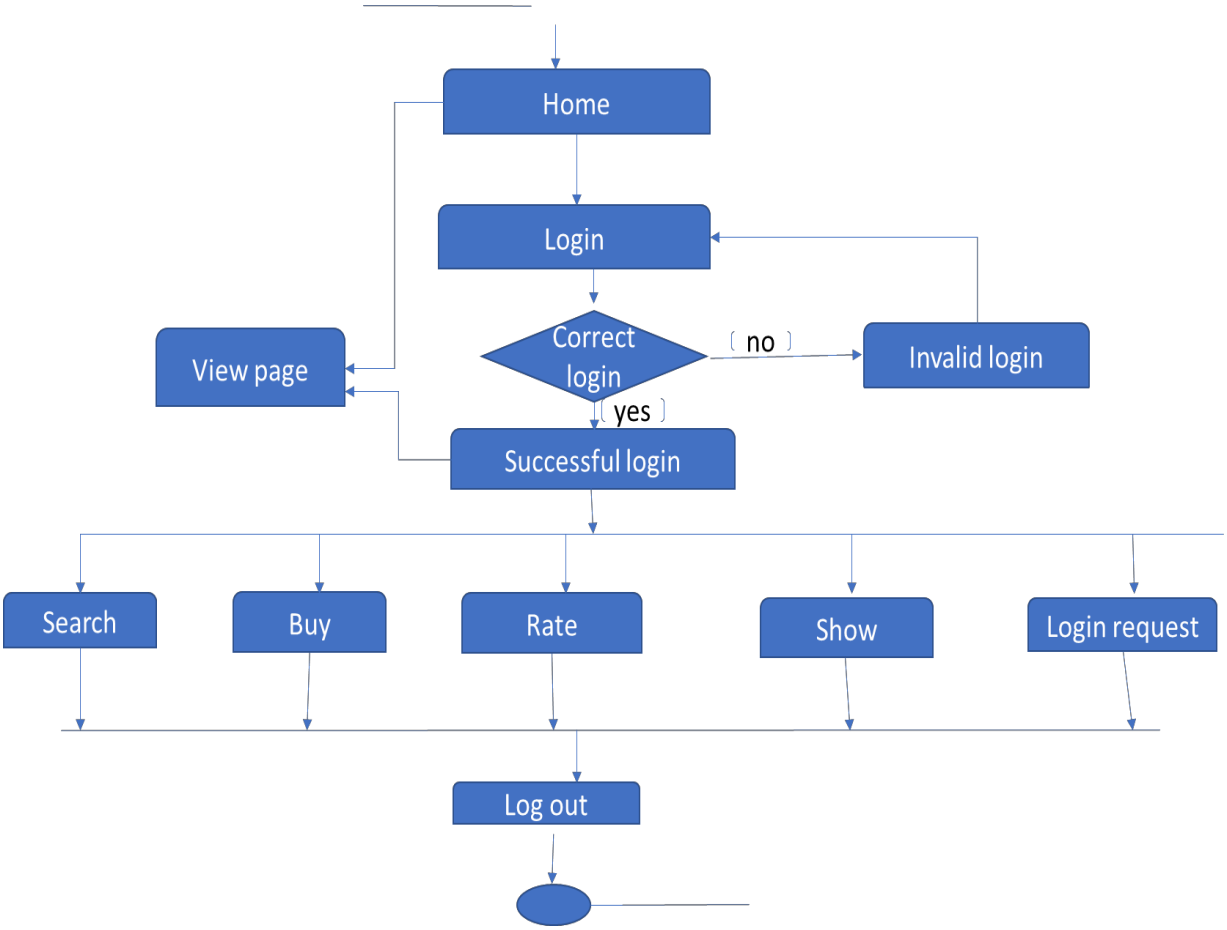

Figure 6: Activity Diagram 2

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3 Design Specification

3.1 Customer Interface

3.1.1 Home page

Figure 7: Home Page

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3.1.2 Customer login and registration page

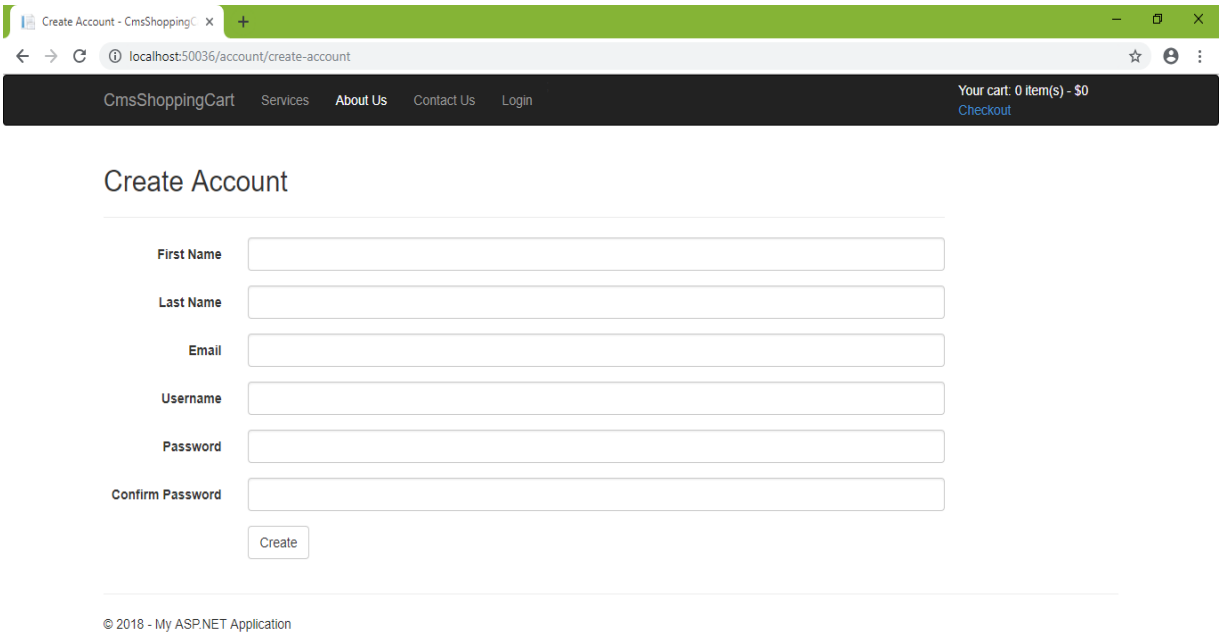

Figure 8: User Registration

3.1.3 Update Profile

User can also update their profile by just clicking this tap

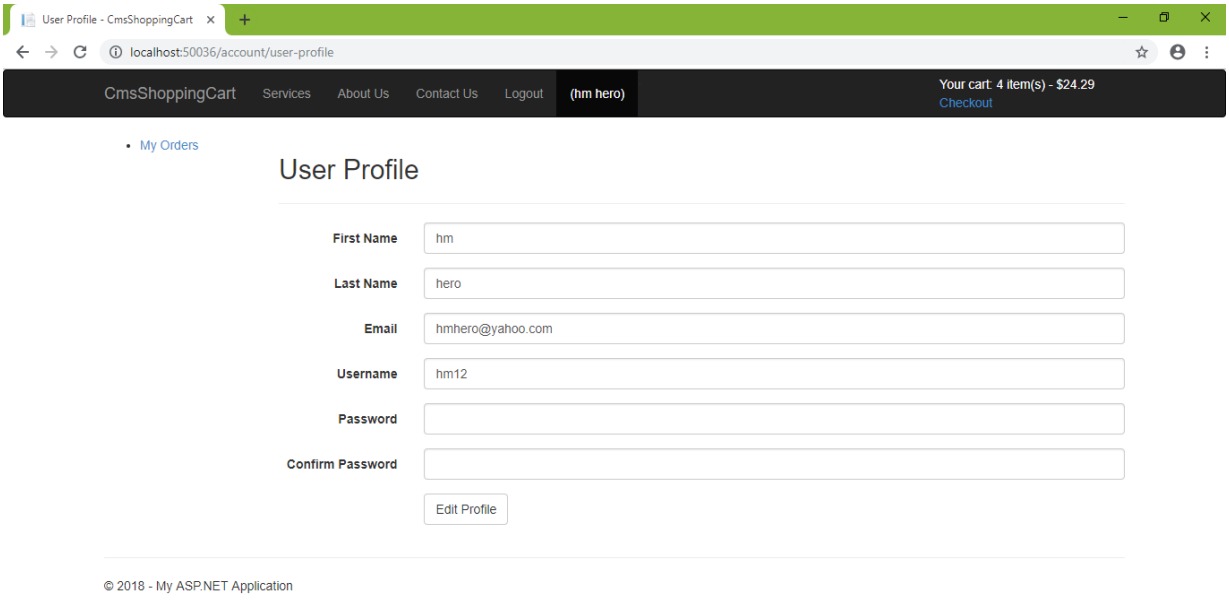

Figure 9: Update Profile

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3.1.4 Login

After registration user have to login to their profile to purchases any goods.

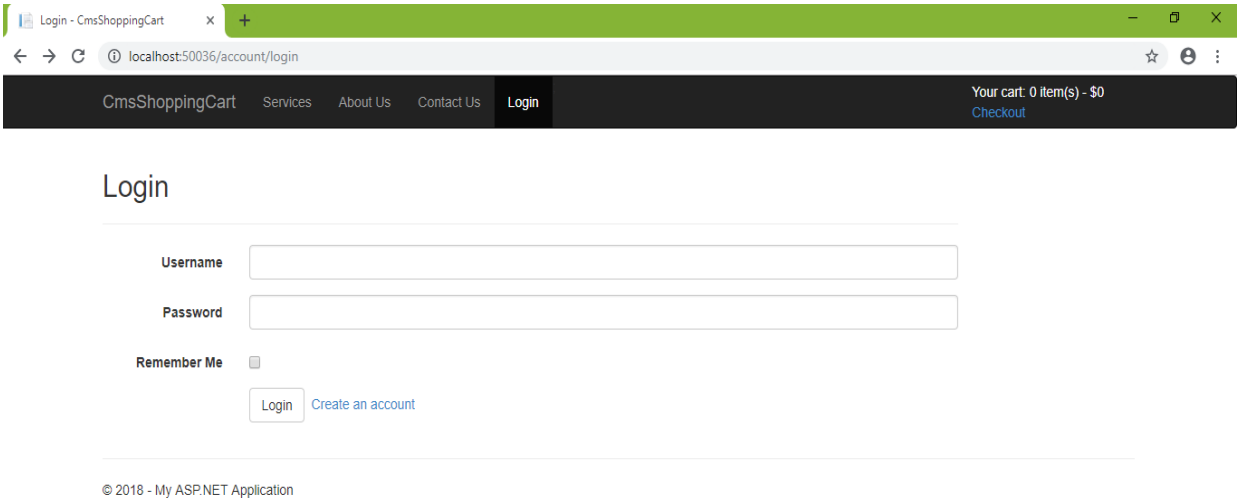

Figure 10: Login

3.1.5 Add to cart Page

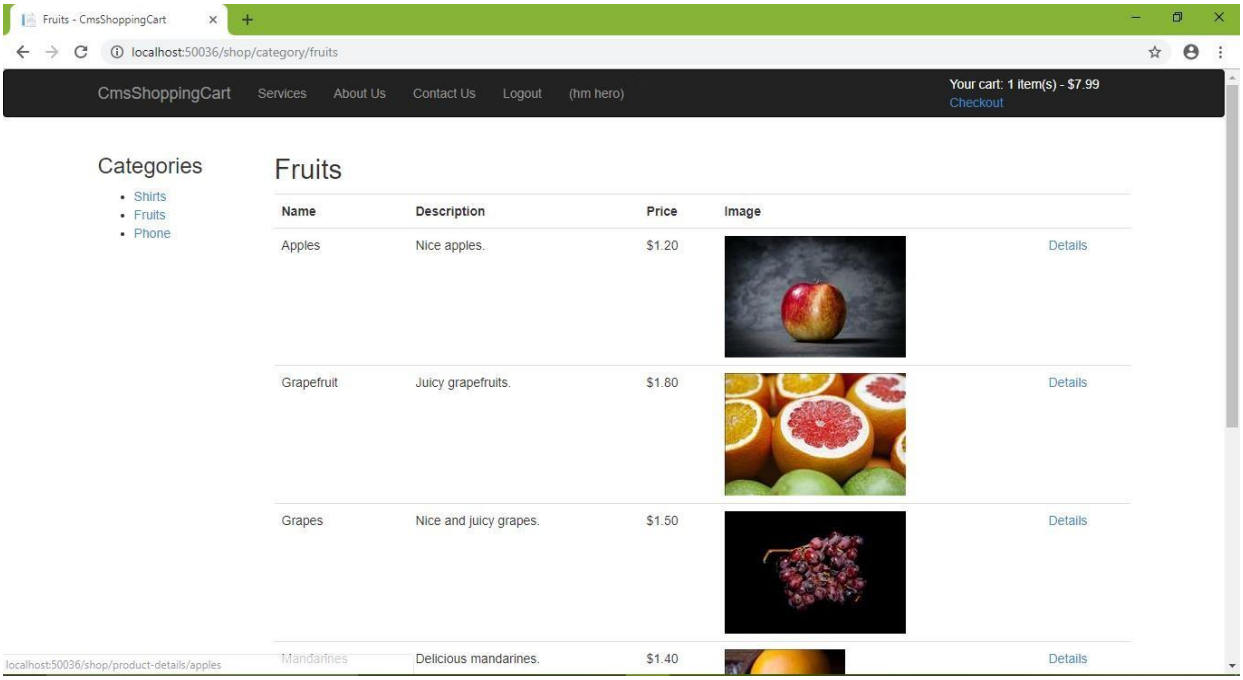

Figure 11: Fruits Item

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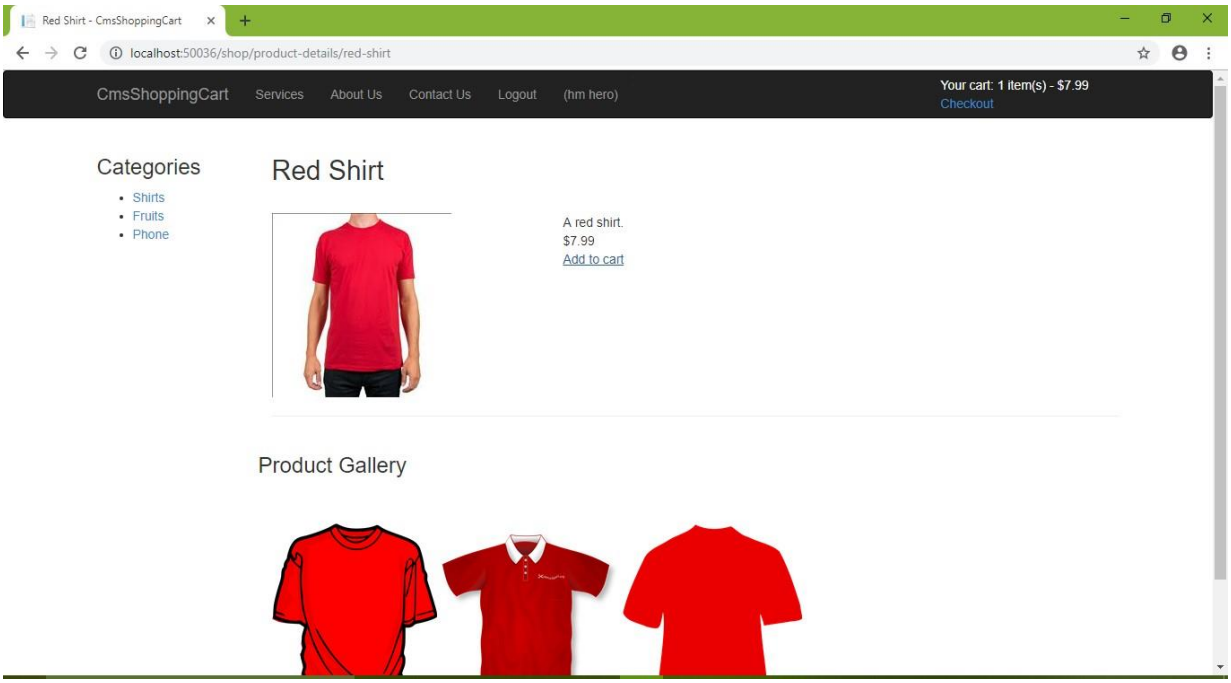

Figure 12: Shirt Item

3.1.6 Check out Cart product

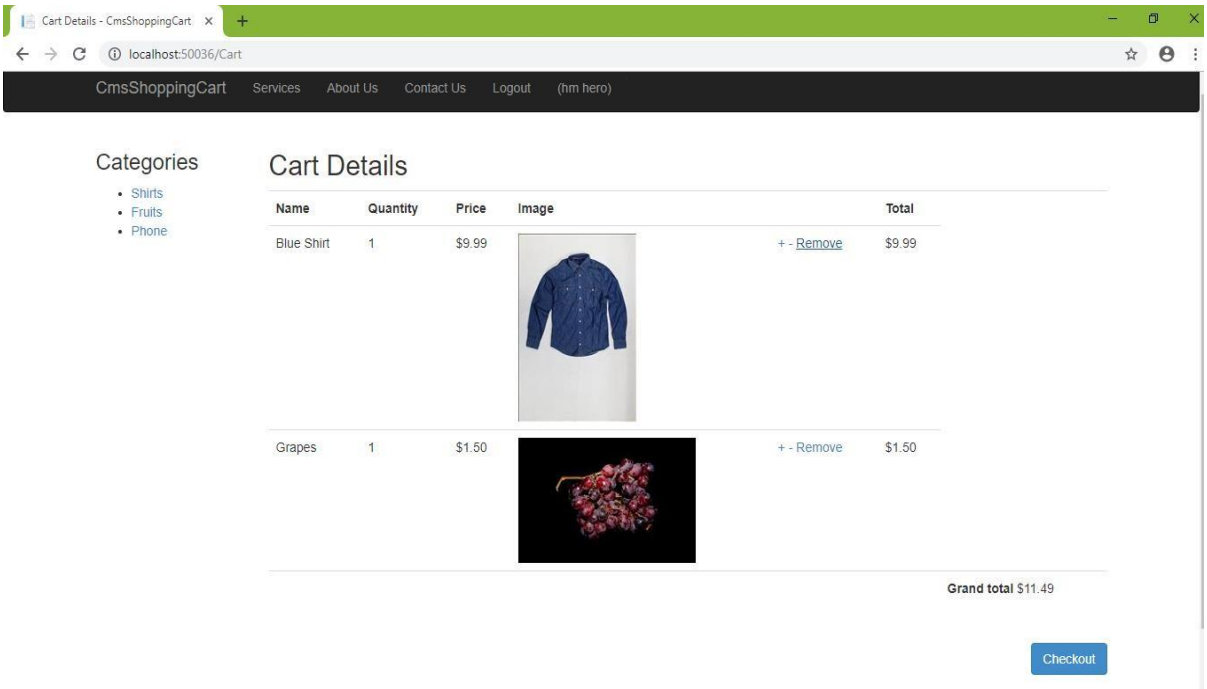

Figure 13: Check Out

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3.2 Admin Interface

3.2.1 Admin Panel

From here admin can view the products edit the products & also delete the products

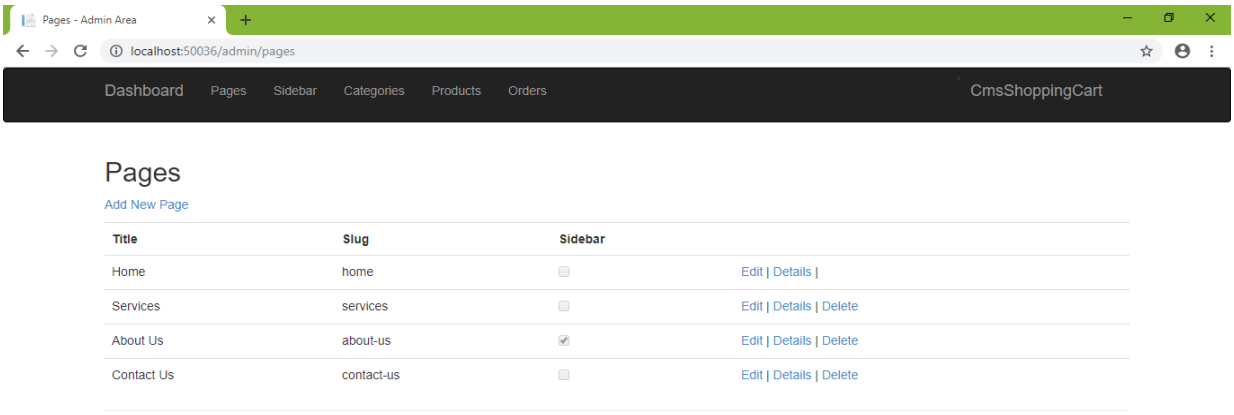

Figure 14: Admin Panel

3.2.2 Select Categories:

From here admin can select the products he wanted

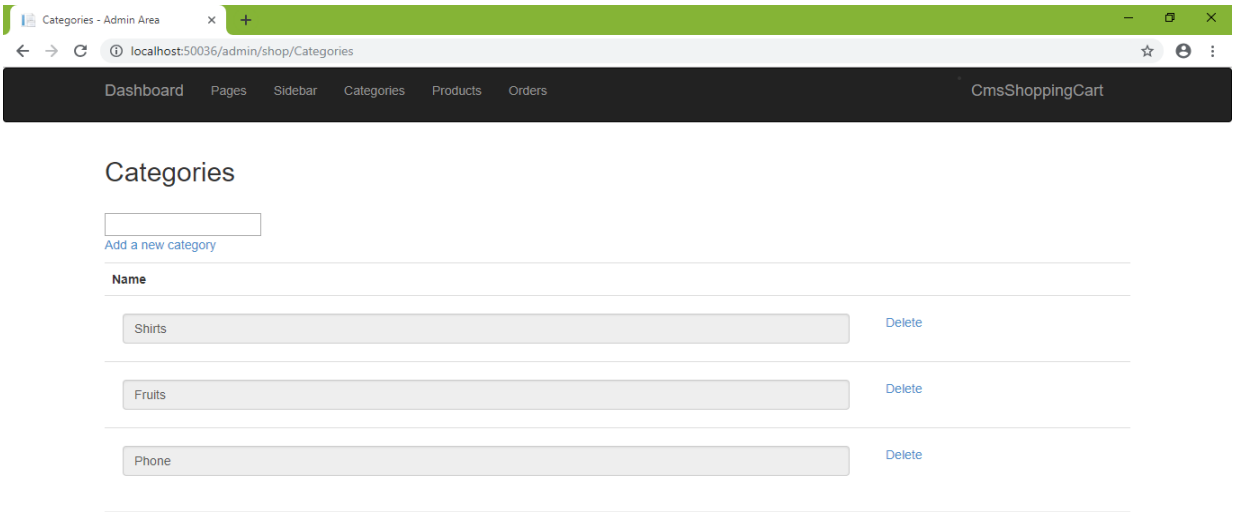

Figure 15: Select Products

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3.2.3 View Products

From here admin can easily view or modify the product details

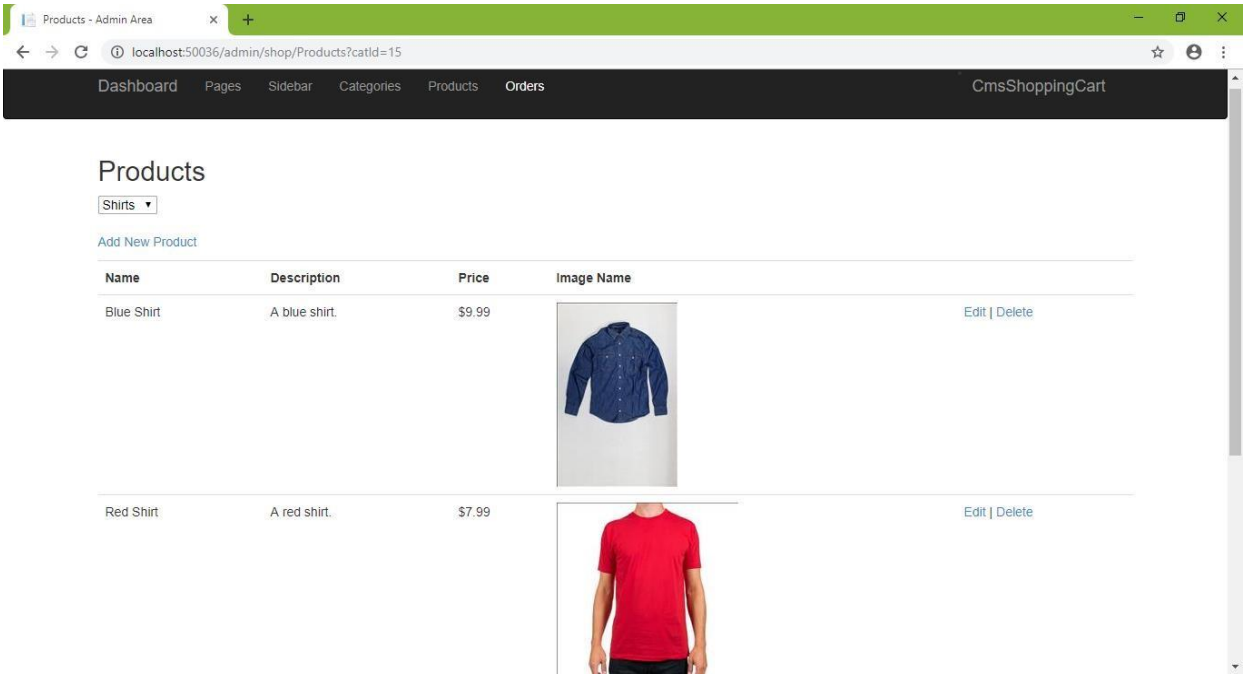
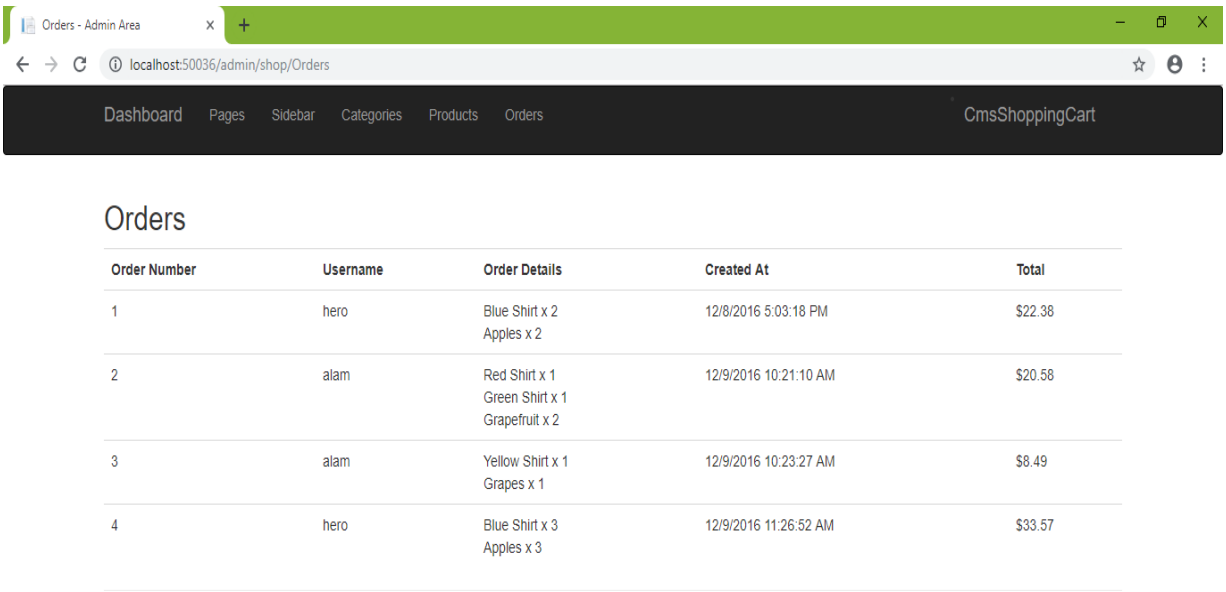


Figure 16: View Products

3.2.4 Order Details

Here every detail are to be shown



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4 Implementation

4.1 Implementation

Technology of implementation is listed here...

MVC framework

Bootstrap

ESS framework

SQL server

XAMPP server

4.1.1 MVC framework

MVC is called Model View Controller. There are three types of parts (1)Model (2)View (3)Controller

It is a web application & framework. Model view controller is used for user interfaces developing.

4.1.2 Bootstrap

Bootstrap is open source front end framework for design a web site and web application. It is HTML & CSS based templates for many interface design.

4.1.3 ESS Framework

ESS assessment & management of environment & social risk set out for responsibility of borrowers.

Managing & monitoring environment & social risks of a project's is the bank by Investment Project Financing.

In result of achieve environment & social outcomes the Environment & social standards.

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4.1.4 SQL Server

SQL is a database system used for the web application. For the reason of using SQL are:

- SQL is used for short and large applications.
- SQL is very speedy and reliable.
- SQL is use very easy.
- SQL fully open source to download and use.

4.1.5 XAMPP Server

- XAMPP is an open source cross platform.
- It is mainly used for HTTP server.
- Apache makes it very easy for user to create a local web server for some purpose.
- It's needs to setup a web server.
- XAMPP also cross platform it works both Windows, Linux, Max.

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5 Testing

5.1 Testing Features

5.1.1 Features to be tested:

The features which have been tested:

5.2 Registration

i. Login
ii. Contact Us
iii. Purchase Product
iv. Add Category

5.2.1 Features not to be tested:

The features which have not been tested:

i. Rating
ii. Remove Item

5.3 Testing Strategies

5.3.1 Black Box Testing

Black box or behavioral testing is usually a kind of testing that internal system is teste which is not known to the software tester.

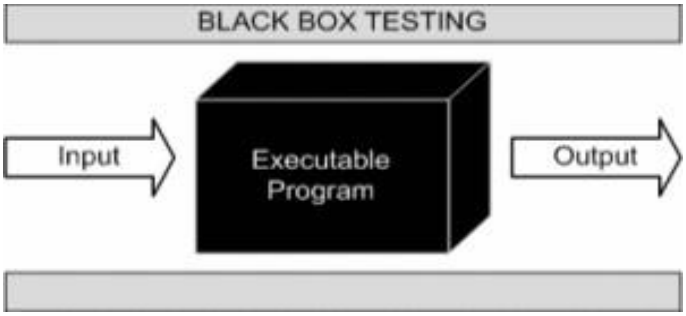

Figure 17: Black Box Testing

5.3.2 White Box Testing

Generally white box testing is code-based testing also known as glass box testing in which the internal structure of the item will be tested that is known to the software tester.

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5.4 Test Case

5.4.1 Module: A- Registration

Test Case ID: FR_01

Test Priority: High

Module Name: Registration Screen

Test Title: Provide all important information

Description: Test the OAS Registration Page

Test Design by: HM Hero

Test Design Date: 28-11-18

Test Execute by: Md. Rabius Sani

Test Execute Date: 28-11-18

Precondition: User has valid Phone number.

Step	Test Steps	Test Data	Expected Result	Actual Result	Statas(Pass/Fail)	Notes
01	Navigate To registration Page	Url-http:localhost/oas/index	Go To Signup Page	Successfully Entered	Pass	Ok
02	Create A Name	Hero	Take Name	Name Taken	Pass	Ok
03	Enter Mail Address	Hmhero3@gmail.com	Take Email	Email Taken	Pass	Ok
04	Enter a phone number	0178194963	Take phone number	phone number taken	Fail	Phone number should be 11 digit
05	Again enter a phone number	01781949631	Take phone number	phone number taken	Pass	Ok

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06	Click to update information button	Click	Data saved on db	Successfully updated	Pass	Ok

5.4.2 Module: B- Login

Step	**Test Steps**	**Test Data**	**Expected Result**	**Actual Result**	**Statas(Pass/Fail)**	**Notes**
01	Navigate to Login Page	Url-http:localhost/tdf/login	Go to login page	Successfully Entered	Pass	Ok
02	Provide mail	Hmhero3@gmail.com	Take mail	Mail taken	Pass	Ok
03	Provide password	44445	Take password	Password taken	Pass	Ok
04	Click to Login Button	Click	Enter user profile	Invalid mail/password	Fail	Check your mail/password
05	Reenter mail	Hmhero3@gmail.com	Take mail	Mail taken	Pass	Ok
06	Reenter password	4444	Take password	Password taken	Pass	Ok
07	Re-login	Click	Enter user profile	Successfully login	Pass	Ok

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6 CONCLUSION

6.1 Project Summery

It is normally a web-based web application. Now-a-days, web-based software is more popular than others. This website is based on online shopping. People can buy their product through this website. They can order product through online and pay for this. After all process is done, product will be delivered to the customer.

6.2 Limitation

- ✓ There should be included a payment method.
- ✓ Must include online feedback system.
- ✓ No messaging services to the customer.
- ✓ Real time services have not been included yet.

6.3 Future Scope

When its limitation can solve then the software more valuables.

In future I will update to my project so that i will gives more facility.

The authority of the website can be full enjoyment.

Add to successful message to the customer. Additionally more to more functionality for customer.

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