Easy Online Shopping System

Supervised by

Ms Prianka Mandal

Lecturer

Department of Software Engineering

Daffodil International University

Submitted by

Sanjoy Kumar Barman

ID:151-35-1092

Department of Software Engineering

Daffodil International University

This Project report has been submitted in fulfillment of the requirements for the Degree of Bachelor of Science in Software Engineering.

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Declaration

I hereby declare that I have been taken this project under the supervision of Ms Prianka Mandal lecturer department of software engineering at Daffodil International University.I also declare that this project nor any part of this has been submitted anywhere for award of any degree.

Submitted By

……..

Sanjoy Kumar Barman

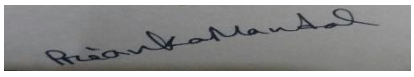
Id: 151-35-1092

Batch: 16th

Department of Software Engineering

Daffodil International University

Supervised By



……

Ms Prianka Mandal

Lecturer

Department of Software Engineering

Daffodil International University

APPROVAL

This **Project** titled "Easy Online Shopping System", submitted by Sanjoy Kumar Barman, **ID:151-35-1092** 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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Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University

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Daffodil International University

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Daffodil International University

Dr. Md. Nasim Akhtar
Professor — **External Examiner**
Department of Computer Science and Engineering
Faculty of Electrical and Electronic Engineering
Dhaka University of Engineering & Technology, Gazipur

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Once, I would like to thank those who co-operated me to collect data and who participated in this study considering their invaluable time.

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1 INTRODUCTION

The is a small project for Easy Online Shopping system.The basic idea is that customers can buy products using online. The Easy Online Shopping system enables vendors to setup online shops, customers to browse through the shops and a system administrator to approve and maintain lists of shop categories.

Also on the feature is designing an online shopping site to manage the product in the shop and also help customers to buy product online without having to visit the shop physically.

1.1 Overview

The project Easy Online Shopping enables customer to buy products from anywhere through online. This system advertises some of the products for shopping in many other website. To buy products, customer do not to create an account. They just enter their personal mobile number. The system administrator check the number and contact with the customer that what they want, how they buy the product or need a home delivery.

1.2.1 Background

In the system you get many types of category of the products. Customers choice their product and buy the product from the online shop. They can get the product from by home delivery. They get a discount if they buy a product via the system.

The users also see the discount news where the discount products are shown. They see the product via the system and buy the product and get discount.

1.2.2 Benefits and Beneficiaries

Online shopping has become a popular shopping method ever since the internet has declared a takeover. There are many individuals that are looking for other amazing alternatives shopping and online shipping is just the fix for that. There are many advantages of online shopping, this is the reason why online stores are a booming business today.

Better price: Cheap deals and better prices are available online, because products come to you direct from the seller without involving middlemen. It is easier to compare prices and find a better dealing.

No Crowd: If you hate crowds when you are shopping. During holidays, festivals, in the shopping center there can be a huge headache. All of these problems can be avoided if you buy your product from online. For this you can get many types of categories and brand in the system.

Saves Time: The online shopping saves your value-able time. If you busy all time in seven days a week, the best option to shopping is online shopping. The system saves your time and you get your choice-able product from home.

Easy Prices Comparison: You can get many types of products from online and you can comparing your products prices so much easier from online. So shopping from online you can get best prices with the links.

By the system the all over the country people will get the best value of the product and they saves their value-able time. They can buy product with lower prices.

1.2.3 Goals

Users get their choice-able product from home or they can buy the product from shop. They know the product prices from online and they comparison the prices with other shopping center.

1.3 Stakeholders

Internal Stakeholders:

1) Admin

2) Manager

3) Developers

4) Salespersons

External Stakeholders:

1) Website visitors

2) Competitors

1.4 Project Schedule

1.4.1 Grantt Chart

No	Name	Start	Finish	Duration	Septem	Octo	Novem	Decem
1	Plan& Proposal	16/08/18	24/08/18	8 days				
2	Requirement Analysis	25/08/18	02/09/18	8 days				
3	System design	03/09/18	23/09/18	20 days				
4	Implementation	28/09/18	18/10/18	21 days				
5	Testing	22/10/18	02/11/18	11 days				
6	Documentation	05/11/18	20/11/18	15 days				
7	Delivery	02/12/18		1 days				

Figure1: Grantt Chart

2 Software Requirement Specification

2.1 Functional Requirements

FR01) In the system end user must be registered.

FR02) The system must have privacy for user.

FR03) All activities will be sort-able and real time.

2.2 Data Requirements

DR01) A user can view a product properly.

DR02) If the user choice the product the user enter their personal mobile number.

DR03) Admin get the number and communicate with customer.

2.3 Performance Requirements

2.3.1 Speed and Latency Requirements

SLR-1	The system must be truculent
Description	The system will be speedy.It depends on internet connection.
Originator	Online Shopping
Stakeholders	User

2.3.2 Capacity Requirement

CR-1	This system will manage information from database.
Description	The system information will be stored in the database.
Originator	Entrepreneur and investor
Stakeholders	Admin

2.4 Dependability Requirements

2.4.1 Reliability and Availability Requirements

RA-1	The system must be available.
Description	The system must be available 24 hours in a day.
Originator	Online Shopping
Stakeholders	Admin User

2.4.2 Robustness or Fault-Tolerance Requirements

RFT-1	The system will handles system errors.
Description	The system handles all incoming data.
Originator	Clients
Stakeholders	Users

2.5 Support-ability Requirements and Maintainability

2.5.1 Support ability Requirements

The admin understand the system behaviour on a technical level required.

The system produces some wrong information and the the developer must develop it.

2.5.2 Scalability or Extensibility Requirements

The system is a online platform. In order to all possible stakeholders the system is able to perform at system condition.

2.6 Security Requirements

2.6.1 Access Requirements

To protect users information all information will stored in encrypted form. It is not easy to decrypt the information.

2.6.2 Privacy Requirements

The system does not provide access database to investors. Only admin can access the database. The inventors privacy will be protected.

2.7 Usability and Human-Interaction Requirements

2.7.1 Ease of Use Requirements

The system will design such that the users will understand easily. The system provide information what they need to purchase a product.

2.7.2 Personalization and Internationalization Requirements

The system describe such a way that the users choice of language.

2.7.3 Understand-ability and Politeness Requirements

In the system any investor can add or delete any types of feature by developer in future.

2.7.4 Accessibility Requirements

The system is developed such a way that any types of users can access the website via through internet.

2.8 Operational and Environmental Requirements

2.8.1 Expected Physical Environment

ERP-1	The system will service from any kind environment.
Description	The users just need internet connection to use the website.
Originator	Users environment.
Stakeholders	Users

2.8.2 Release Requirements

There is no limitation that release requirements. The developers planned some additional information and release the information.

3 System Analysis

3.1 Use Case Diagram

The users and admin access in the system via the internet.

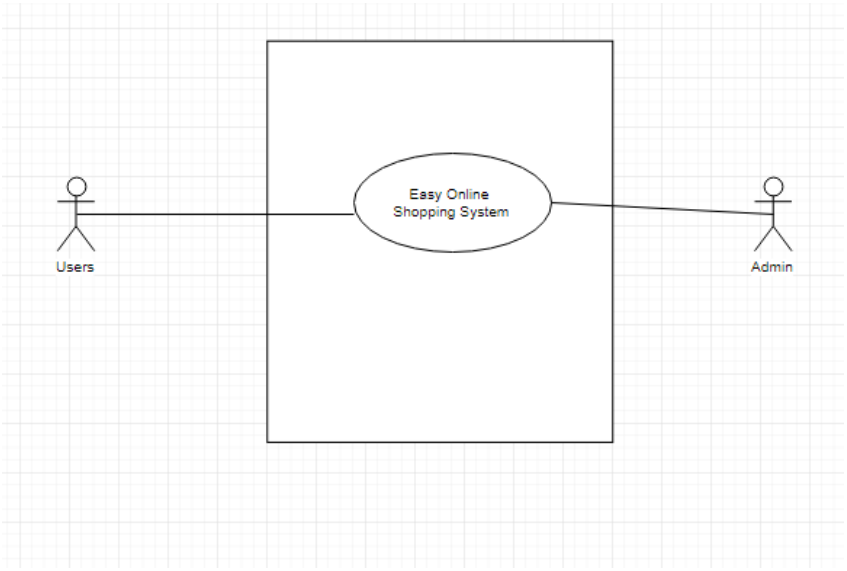

Figure2: System Environment

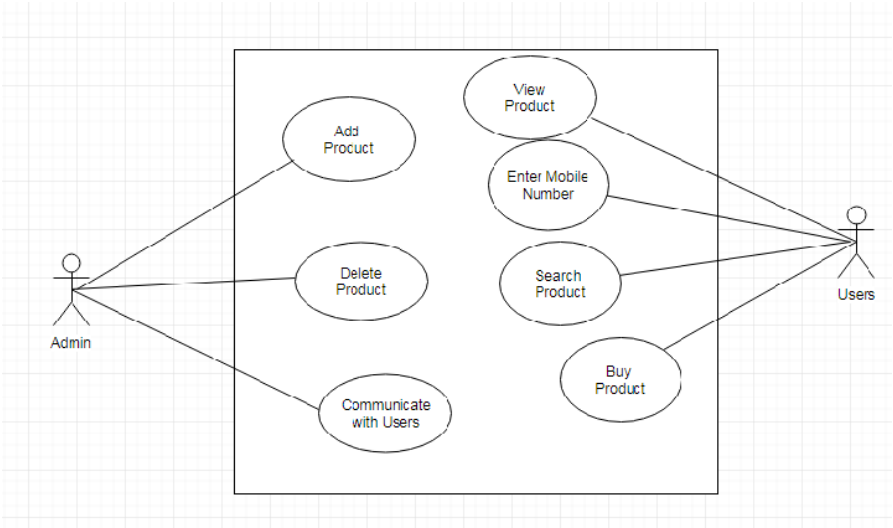

Figure3: Easy Online Shopping system

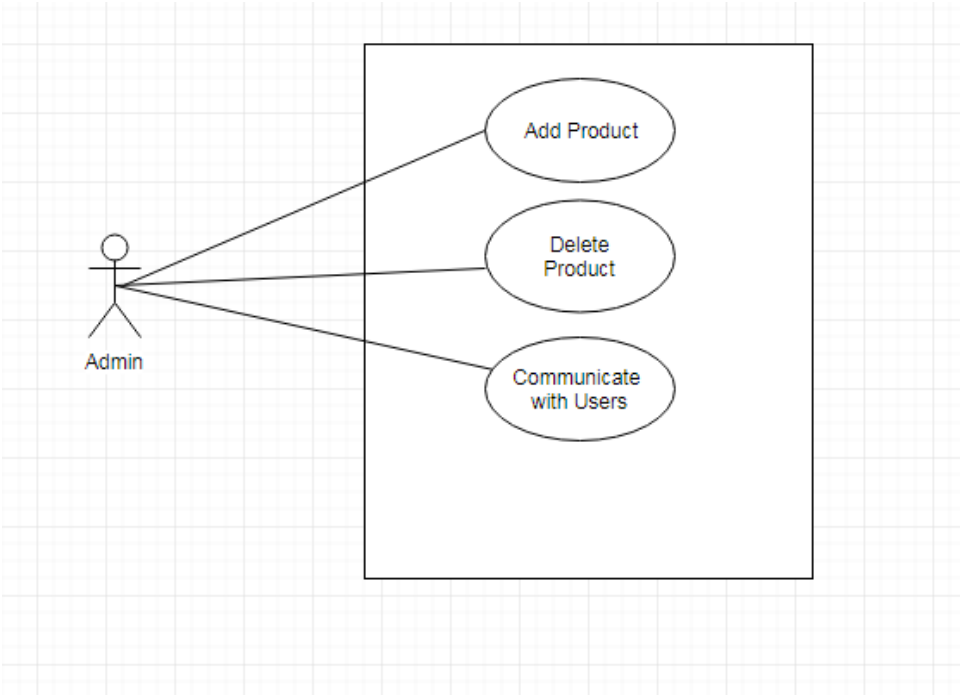

Figure4: Admin Use Case

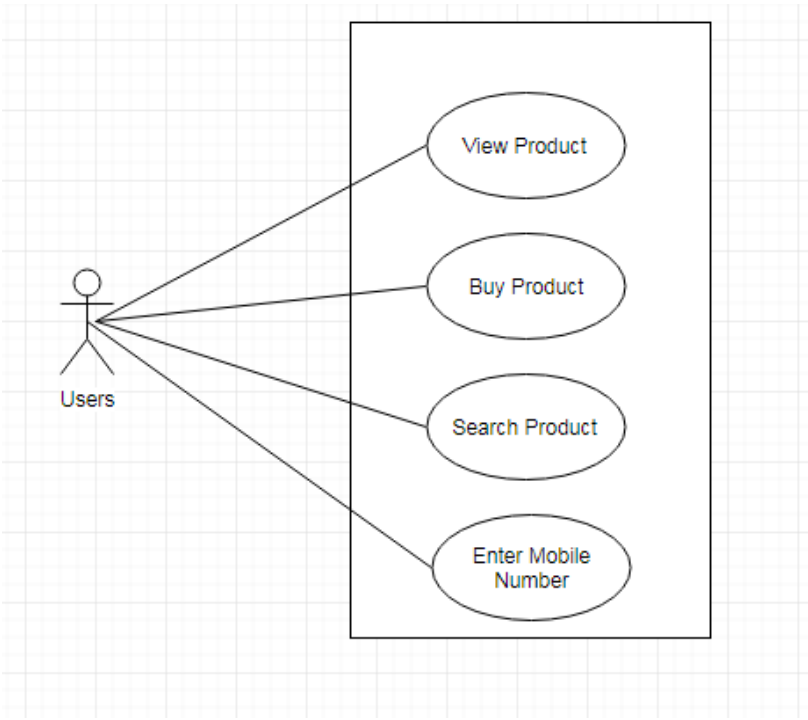

Figure5: Users Use Case

3.2 Use Case Description

Add product use case

Use Case	Add product
Actor	Admin
Trigger	The admin can add product
Scenarios	This can be done just by admin

Delete product use case

Use Case	Delete product
Actor	Admin
Trigger	The admin can delete a product
Scenarios	This can be done just by admin

Communicate with users

Use Case	Communicate with users
Actor	Admin
Trigger	The admin communicate with users
Scenarios	This can be done just by admin

View product,buy product,search product,enter mobile number

Use Case	View product,buy product,search product,enter mobile number
Actor	Users
Trigger	Any users can View,buy,search,enter mobile number at any product
Scenarios	Any users can do view product,buy product,search product,enter mobile number

3.3 Activity Diagram

Activity diagram is a another UML diagram. It is basically a flow chart from one activity to another activity.

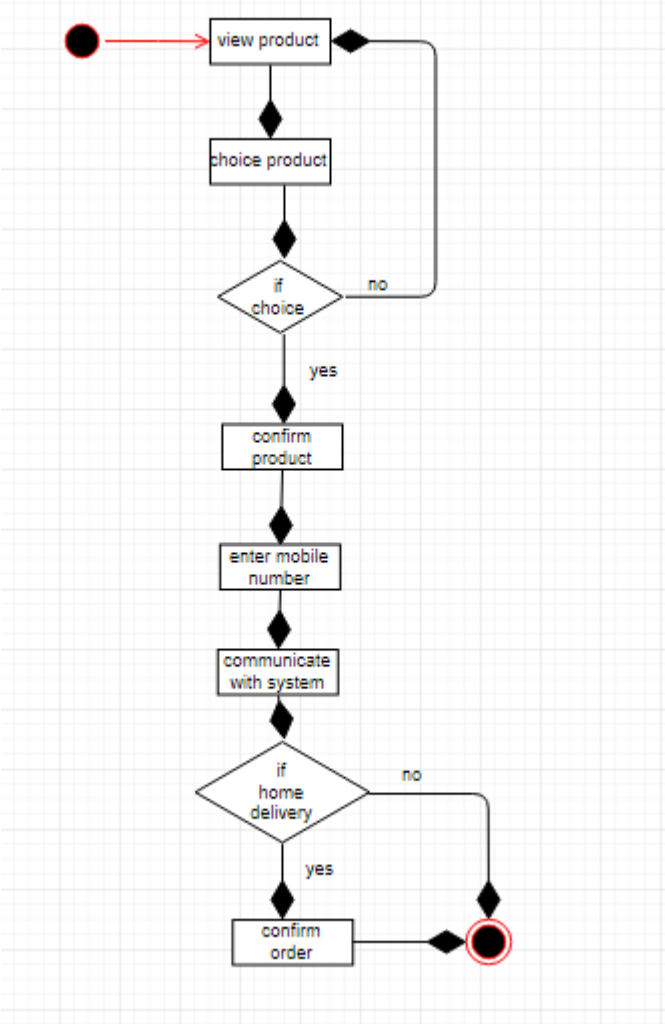

Figure6: Activity Diagram

3.4 System Sequence Diagram

Sequence Diagram is an important UML diagram that shows how the system work.

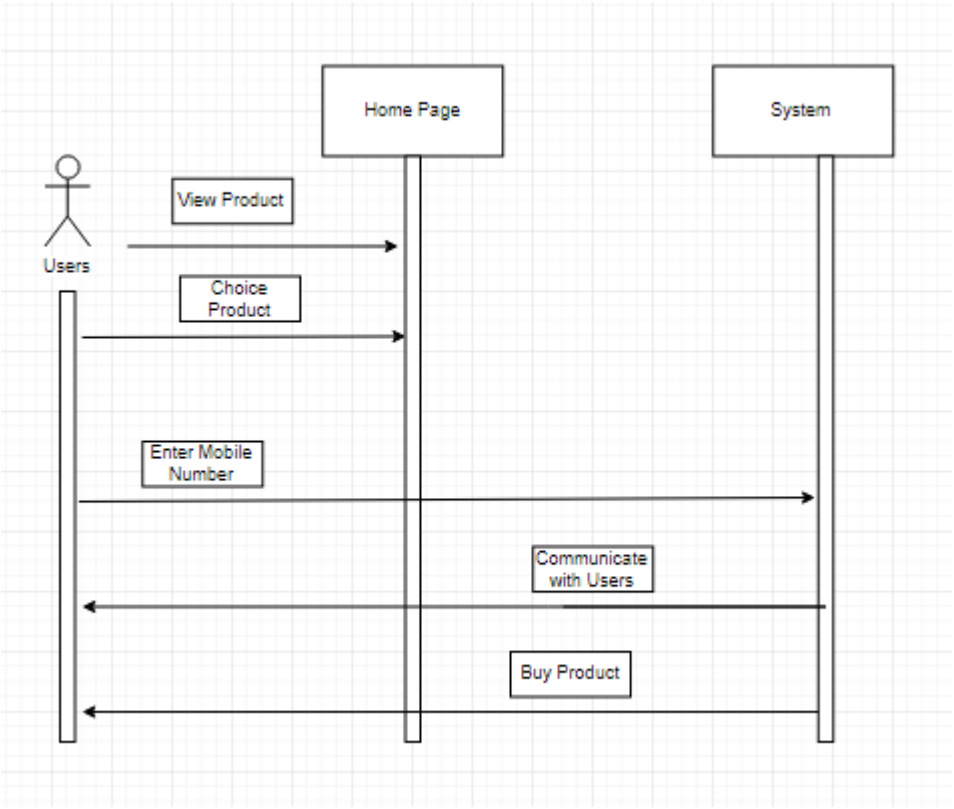

Figure7: Sequence Diagram

4 System Design Specification

4.1 Class Diagram

Class diagram is a important UML diagram that show how the system work.

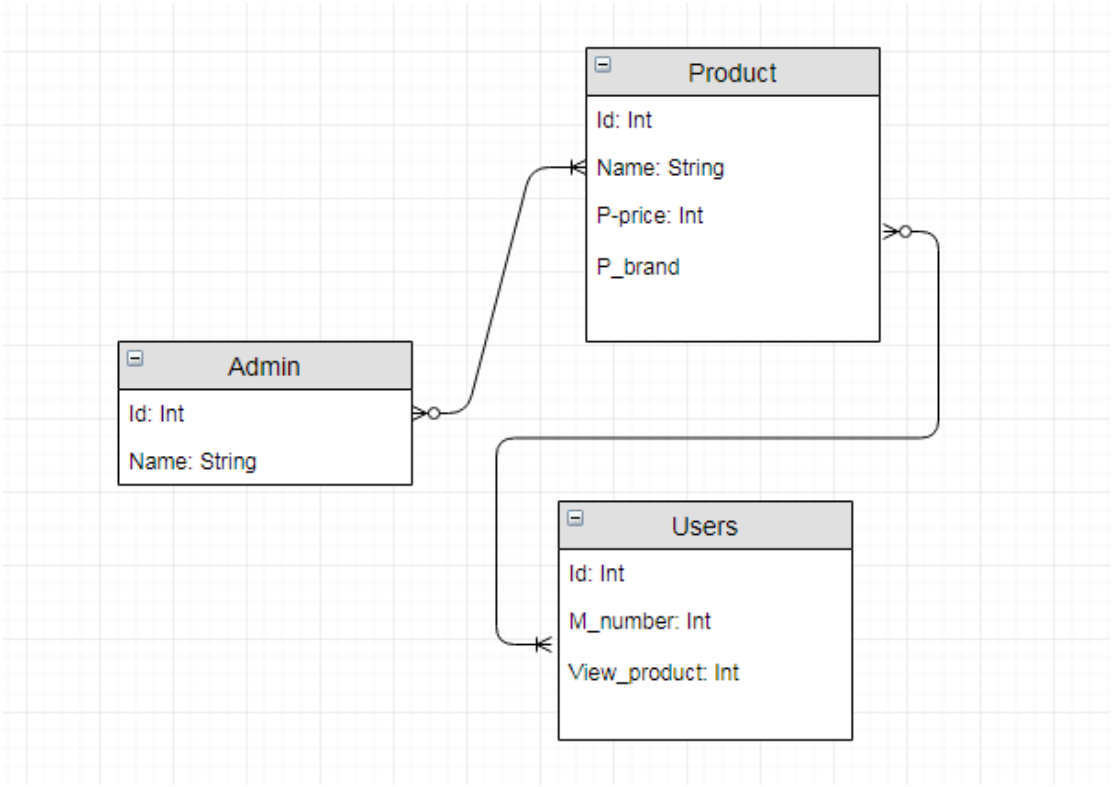

Figure8: Class Diagram

4.2 Database Diagram

Database diagram is a UML diagram that show how the system database work. How the system work, we know from the database diagram.

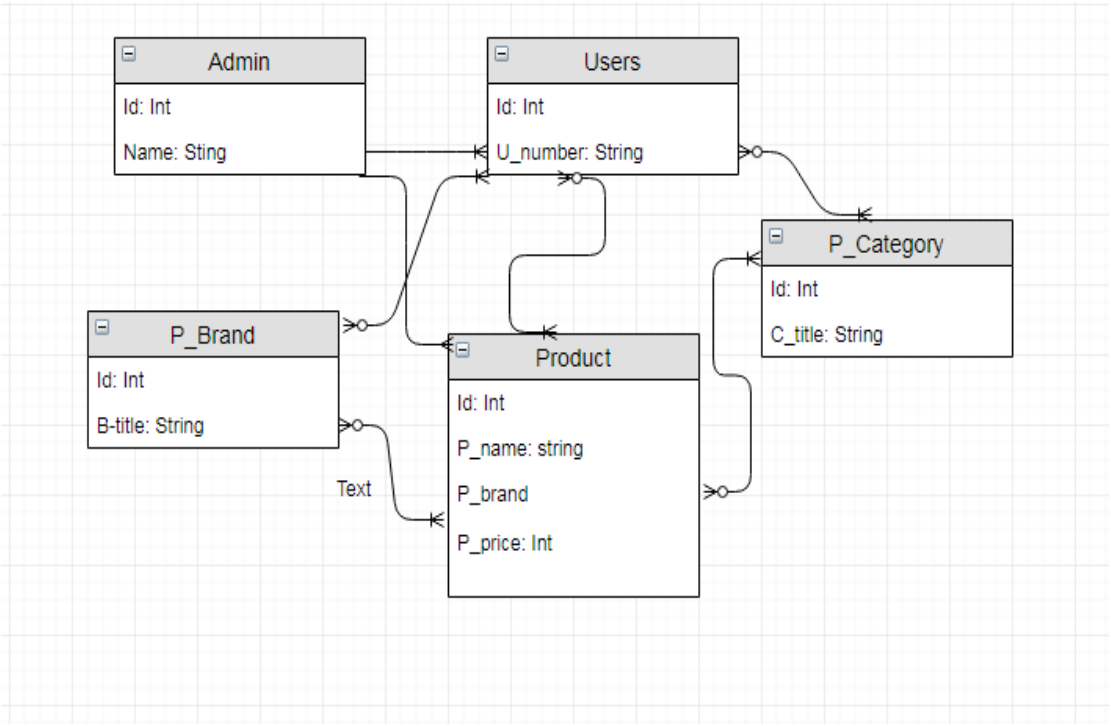

Figure9: Database Diagram

4.3 Development Tools & Technology

4.3.1 User Interface Technology

4.3.1.1 PHP

PHP means Personal home page. It is a language. The Easy Online Shopping system is designed by HTML, CSS3.

4.3.1.2 JavaScript Framework

JQuery

4.3.1.3 CSS Framework

Bootstrap 4

4.3.1.4 Server

Apache Server

4.3.1.5 Database

MySql

4.4 Implementation Tools & Platforms

4.4.1 PHP Strom

This system is developed by PHP Strom. It is a commercial, cross-platform IDE for PHP.

4.4.2 MySQL Community Server

To develop this system I use MySQL Community Server.

4.4.3 Apache HTTP Server

To develop this system to run I use Apache HTTP Server.

5 System Testing

5.1 Testing Features

The testing features includes functional and non-functional requirements of Easy Online Shopping System.

5.1.1 Features to be tested

The following features to be tested during testing of the application.

Features	Priority	Description
Add product	3	Admin add product in the system
Delete Product	2	Admin delete a product from the system
Confirm Order	4	Admin must confirm a order before delivery
Mobile Number	4	Admin check the Users entered mobile number
Search	1	Search option work rightly or not
Product	2	Admin check all product in system that the product is correctly described or not

5.2 Testing Strategies

5.2.1 Test Approach

Black Box Testing: Black box testing is also called functional testing that ignores all internal mechanism in the system. I have decided to perform equivalence partitioning and boundary value analysis for Easy Online Shopping system.

White Box Testing: White box testing focus on application internals structural.

5.2.2 Pass/Fail criteria

Features	Pass/Fail
Add Product	Pass
Delete Product	Pass
Confirm Order	Pass
Mobile Number	Pass
Search	Pass
Product	Pass

5.2.3 Testing Schedule

This section/part will describe system testing schedule.

Test Phase	Responsible Person	Time
Test plan creation	Project manager	1 week
Unit testing	Developer	2 week
Component testing	Developing team	Developing time
Integration testing	Testing team	1 week
Performance testing	Testing team	1 week
Load testing	Testing team	1 week
Use case testing	Testing team	1 week

5.2.4 Traceability Matrix

Test cases are

Test case id	Test case	Test steps	Test data	Expected result
1	Search	Go to home page. Click on search option. Search any product.	Laptop	Successful
2	Mobile number	Go to home page. Click on any product. Enter mobile number.	01741-225 182	Successful

Chapter6 User Manual

6.1 Home Page

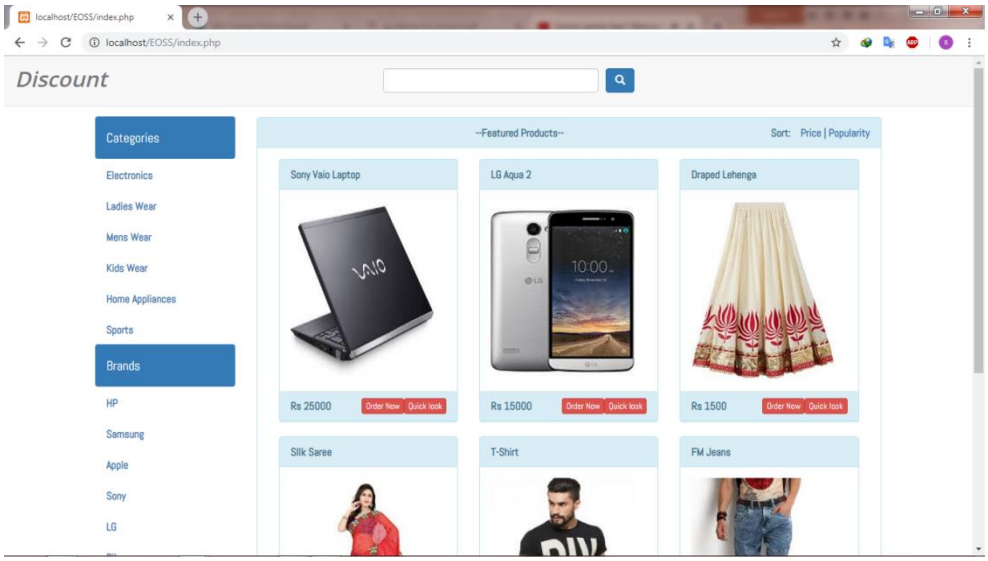

Figure10: Home Page

6.2 Product Details

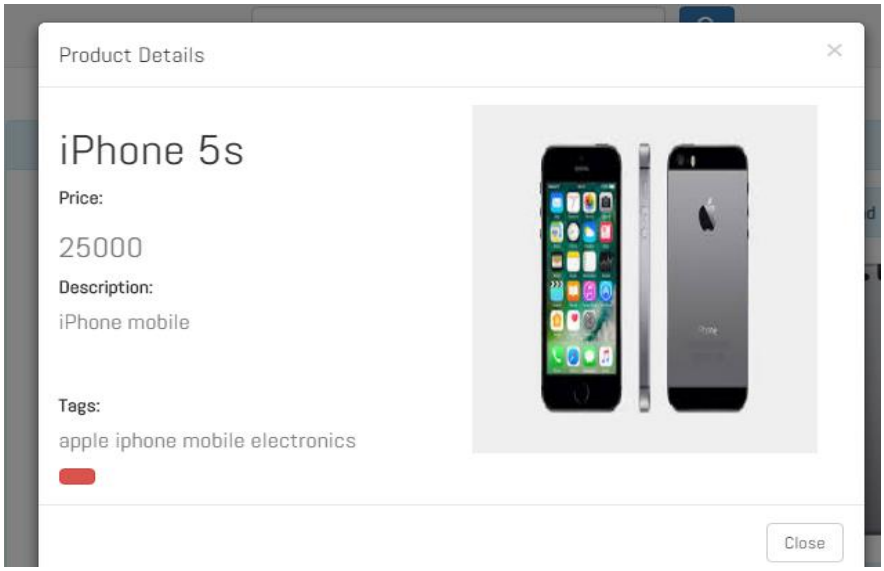

Figure11: Product Details

6.3 Product Category(Ladies Wear)

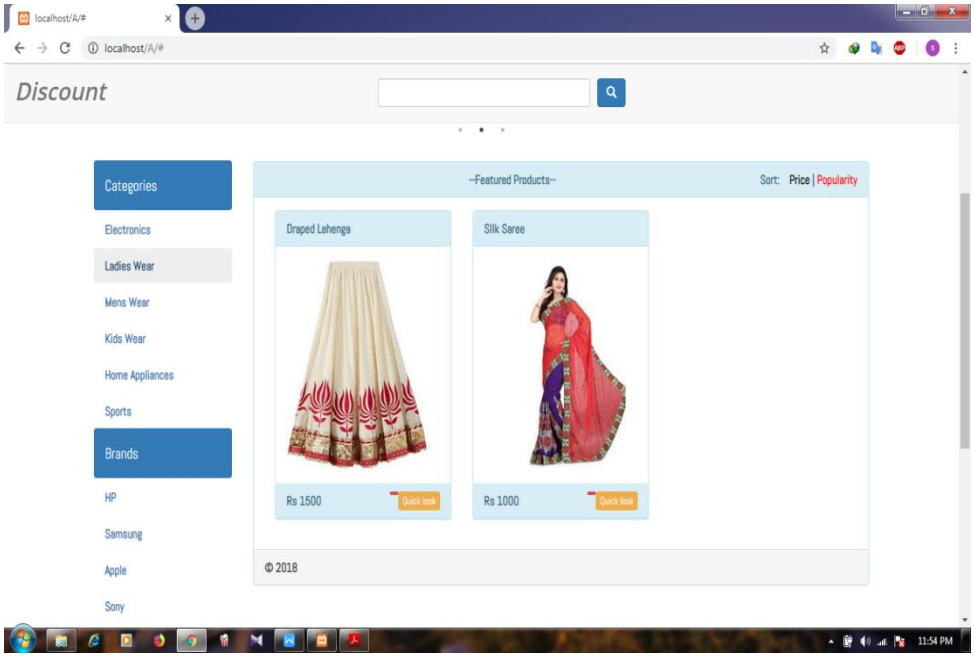

Figure12: Product Category(Ladies Wear)

6.4 Search Option(Enter Ipad)

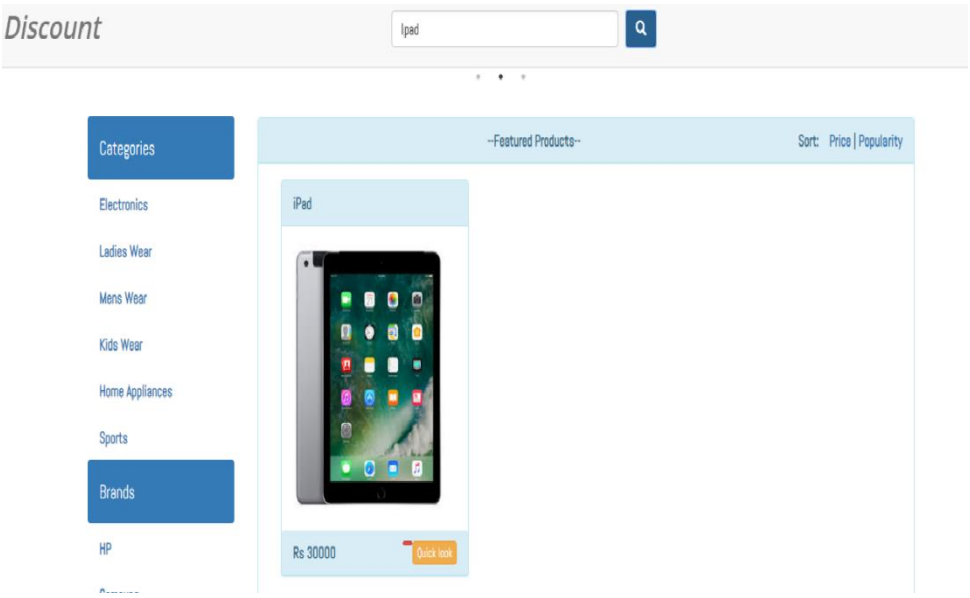

Figure13: Search Option

6.5 Home Page(Page No 2)

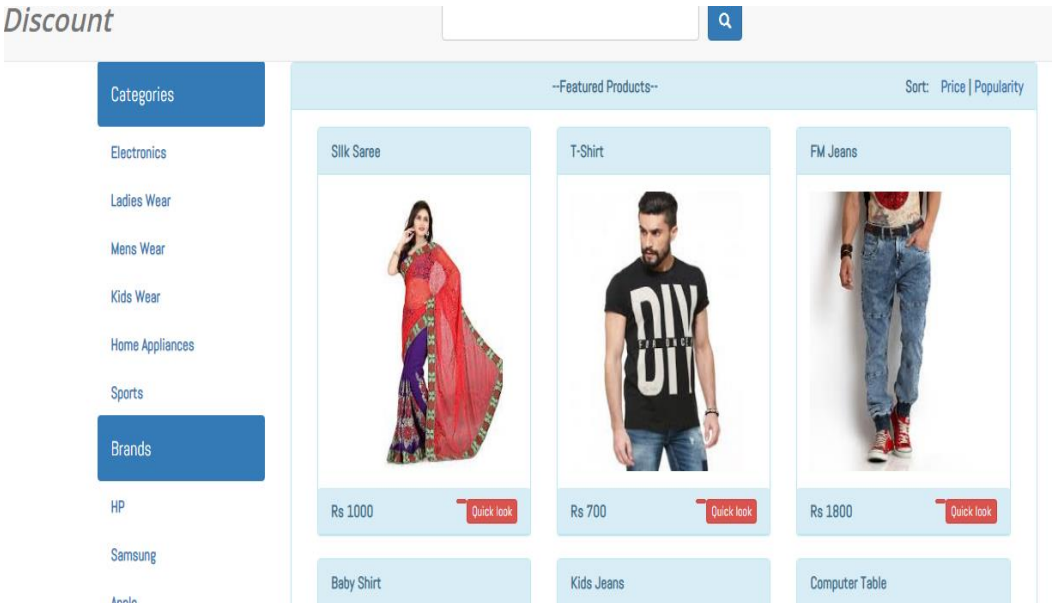

Figure14: Home Page(Page No 2)

6.6 Product Sorting(By Popularity)

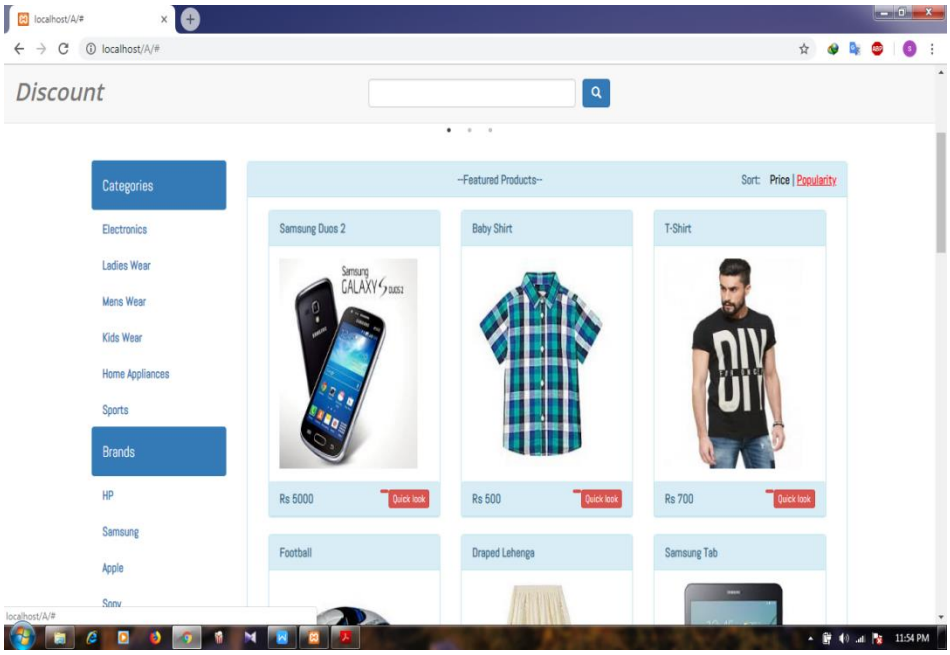

Figure15: Product Sorting(By Popularity)

6.7 Agora Page

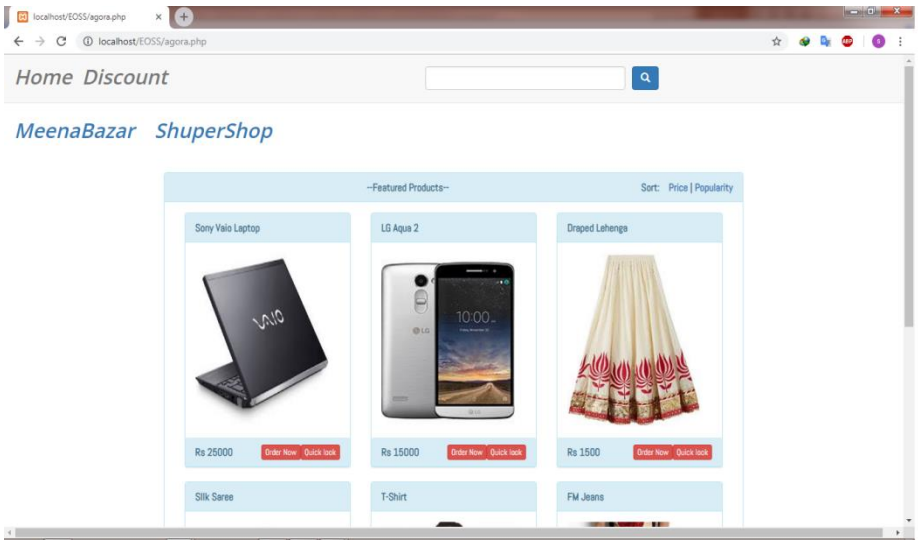

Figure16: Agora page

6.8 Meena-Bazar Page

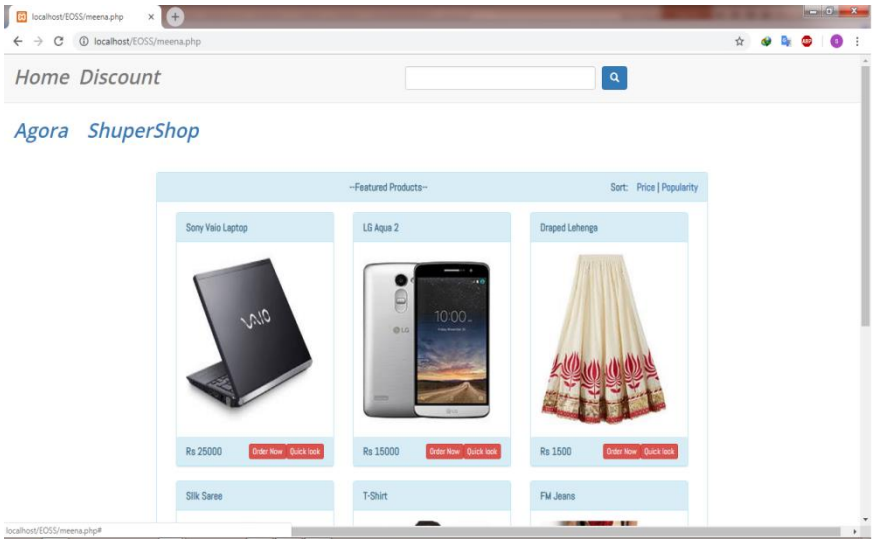

Figure17: Meena-bazar page

6.9 Jennyis Page

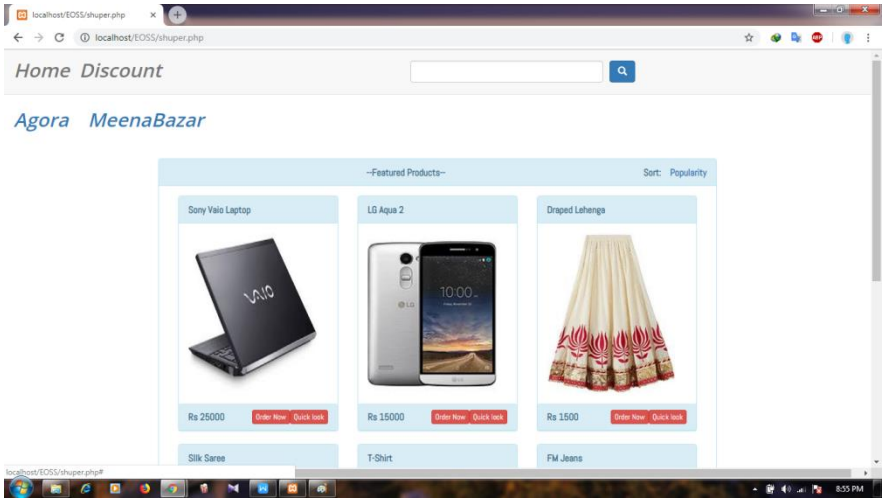

Figure18: Jennyis Page

7 Conclusion

Future Scope of the EOSS(Easy Online Shopping System)

Now this application is online based. In future we will make android and IOS version.

Now this system is available in capital of the Bangladesh. In future we will go through all over the country.

I have taken opinion from users and in future many features add in the system. Finally I have to say that I attempt a lot of completion for the project.

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