MediShare - A Web-Based Charity System Management

BY

Nahid Hasan
ID: 201-25-849

This Report Presented in Partial Fulfillment of the Requirements for the Degree of Bachelor of Science in Computer Science and Engineering.

Supervised By

Mr. Abdus Sattar
Assistant Professor
Department of CSE
Daffodil International University

DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

AUGUST 2021

APPROVAL

This Project/internship titled **"MediShare – A Web-Based Charity System Management"**, submitted by Nahid Hasan, ID No: 201-25-849 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 11-09-2021.

BOARD OF EXAMINERS

Chairman

Dr. Touhid Bhuiyan
Professor and Head
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Internal Examiner

Dr. Md. Ismail Jabiullah
Professor
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Internal Examiner

Dr. Sheak Rashed Haider Noori
Associate Professor and Associate Head
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

External Examiner

Dr. Mohammad Shorif Uddin
Professor
Department of Computer Science and Engineering
Jahangirnagar University

DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Mr. Abdus Sattar, Assistant Professor, Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

Supervised by:

Mr. Abdus Sattar
Assistant Professor
Department of CSE
Daffodil International University

Submitted by:

Nahid Hasan
ID: 201-25-849
Department of CSE
Daffodil International University

ACKNOWLEDGEMENT

First, I express our heartiest thanks and gratefulness to almighty God for His divine blessing makes me possible to complete the final year project/internship successfully.

I really grateful and wish our profound our indebtedness to **Mr. Abdus Sattar, Assistant Professor, Department of CSE Daffodil International University**, Dhaka. Deep Knowledge & keen interest of our supervisor in the field of "**Web & Mobile Apps Development**" to carry out this project. Her endless patience, scholarly guidance, continual encouragement, constant and energetic supervision, constructive criticism, valuable advice, reading many inferior drafts and correcting them at all stage have made it possible to complete this project.

I would like to express our heartiest gratitude to Professor and Head**,** Department of CSE, for his kind help to finish our project and also to other faculty member and the staff of CSE department of Daffodil International University. We would also like to thank our entire course mate in Daffodil International University, who took part in this discuss while completing the course work.

Finally, I must acknowledge with due respect the constant support and patients of my parents.

ABSTRACT

Medication Shop is a phase for every single level customer, this undertaking is utilized fundamentally for drug store stores to keep up with the subtleties of the drug store, for example, medication stock. Every day we deal with numerous issues for discover our medication and we run one drug store to another pharmacy. Medicine shop project assists individuals with discovering medication easily. If anyone need any kinds of medication the person visits my Medication Shop web application and effectively discover their medicine. There are many sorts of medication accessible in my medication shop project like Ayurvedic medication, Anti-infection medicine, syrup, drops, tablet etc. We serve our client 24 hours. Client can look through medication and effectively discover his/her medication if accessible in stock. All the supply of medication is update day by day by admin. My medication shop web application is client friendly.

TABLE OF CONTENTS

CONTENTS	PAGE
Board of Examiners	II
Declaration	III
Acknowledgements	IV
Abstract	V
Table of Contents	VI-VIII
List of Figures	VIII
List of Tables	IX
CHAPTER	
CHAPTER 1: INTRODUCTION	**10-11**
1.1 Introduction	10
1.2 Motivation	10
1.3 Objectives	10
1.4 Expected Outcome	11
1.5 Report Layout	11
CHAPTER 2: BACKGROUND	**12-15**
2.1 Introduction	12
2.2 Related Work	12
2.3 Comparative Studies	14
2.4 Scope of the Problem	14
2.5 Challenges	15
CHAPTER 3: REQUIREMENT SPECEFICATION	**16-19**
3.1 Requirement Collection and Analysis	16
3.1.1 Software Requirement	16
3.1.2 Framework, Language, Tools	16
3.1.3 Hardware Requirement	16

3.1.4 Tools 17
3.1.5 Database 17
3.2 Business Process Modeling 18
3.3 Use Case Modeling 19

CHAPTER 4: DESIGN SPECEFICATION 20-33

4.1 Front-end Design 20
4.2 Back-end Design 31
4.3 Implementation Requirements 33

CHAPTER 5: IMPLEMENTATION AND TESTING 34-36

5.1 Introduction 34
5.2 Implementation of Database 34
5.3 Implementation of Front-end Design 34
5.4 Implementation of Interactions 35
5.5 Test Results and Reports 35
5.6.1 Login Report 36

CHAPTER 6: CONCLUSION AND FUTURE SCOPE 37

6.1 Discussion and Conclusion 37
6.2 Scope for Further Developments 37

REFERENCES 38

PLAGIARISM 39

LIST OF FIGURES

FIGURES	PAGE NO
Figure 2.2.1: eCourier	10
Figure 2.2.2: Shohoz	11
Figure 2.2.3: ePharma	11
Figure 3.1: Business Process Diagram	16
Figure 3.2: Use Case Diagram	17
Figure 4.1.1: Home Page	18
Figure 4.1.2: Registration Page	20
Figure 4.1.3: Login Page for Admin	21
Figure 4.1.4: Admin Panel Dashboard	22
Figure 4.1.5: Insert Product Page	23
Figure 4.1.6: Categories Page	24
Figure 4.1.7: Product Details	25
Figure 4.1.8: Shopping Cart	26
Figure 4.1.9: Payment Method	27
Figure 4.1.10: Order Track	28
Figure 4.2: Database Design	29
Figure 4.3: Requirements of Implementation	30

LIST OF TABLES

TABLES	PAGE NO.
Table 5.5: Login report	33
Table 5.6: Registration	34

CHAPTER 1

INTRODUCTION

1.1 Introduction

Medi Share is an electronic application that incorporates a portable application cross-stage. Medi Share is fundamentally a stage for all-level individuals that will assist them with getting the proper cost of their Medication items. Utilizing this stage, clients will actually want to purchase Medication items. It will help the all-level individuals to straightforwardly contact the affiliates of a far distance that will lessen the middle layers called "Supervisor" among businesspeople and affiliates. They will actually want to employ different sorts of vehicles, medication related machines utilizing this framework. The application is absolutely easy to understand and created considering to make effectively useable for the clients.

1.2 Motivation

Medication is the primary source to endure people. Every day we deal with numerous issues in our human wellbeing and face numerous sicknesses. Assuming we need to make due from illness, we take medication and move between different pharmacies drug store however now and again we can't get our medication so this venture is so significant for each persistent to gather medication without any problem. People groups peruse this web application and effectively discover his/her medication in light of the fact that there are many kinds of medication accessible in this web application and we additionally serve our clients 24 hours.

1.3 Objectives

The objectives of this project are

- To make a web platform for reducing the gap between customers and the resellers.
- To reduce the intermediate layers between customers and the resellers.
- To provide our customers the info of the appropriate price of their produced goods.

©Daffodil International University

- To provide a platform for hiring medicine related machines as well as vehicles.
- To digitalize our medicine sector by connecting our customers with technology.
- To help our customers to have the proper info of their asking within an efficient way.

1.4 Expected Outcome

The expected outcomes of this project are

- Buyers will be able to search their medicine product and find his/her medicine within short time.
- Sellers will be able to post their requirements that will be notified to the buyers those who have the best matches of these requirements.
- Users will be able to see all categories medicine without registration
- User will be able to buy medicine 24 hours.
- Users will be able to directly communicate with the resellers at a far distance ignoring the intermediate layers.
- Customers will be able to track his order.
- Customers will be able to be concerned of the actual price list of their produced products.

1.5 Layout of the Report

Section one has shown a prologue to the undertaking with its inspiration, destinations, and objectives.

- Chapter two will have "Outline Foundation" shows project the board stages and undertaking the executive's challenges.
- Chapter three will have Programming Prerequisite.
- Chapter four will have Framework Investigation.
- Chapter five will have framework plan and detail.
- Chapter six will have Execution, and Testing.
- Chapter seven will have end.

©Daffodil International University

CHAPTER 2

BACKGROUND OVERVIEW

2.1 Introduction

We have thought to reduce the gap between the root level customers & the resellers and have finally come out with the idea of Medi Share. Medi Share focuses on providing an online platform that will enable our root level customers to directly communicate with the resellers in the towns. It will provide the functionality of medicine related vehicles, machines as well as laborers. It will make them aware of the actual price of the products, will provide them the solutions of their asking and so on.

2.2 Related Works

I'm working with another internet business web application that is for our everyday things like food sources, garments, books, gadgets. There are numerous online business web applications identified with my web application yet the principal contrast between my web application is, their online business web application is for purchase numerous merchandises for their day-by-day life and my web application is for medication which is uncommon in our country. Clients effectively discover their medication in my web application inside a brief time frame on the grounds that there are numerous classifications of medication in my venture.

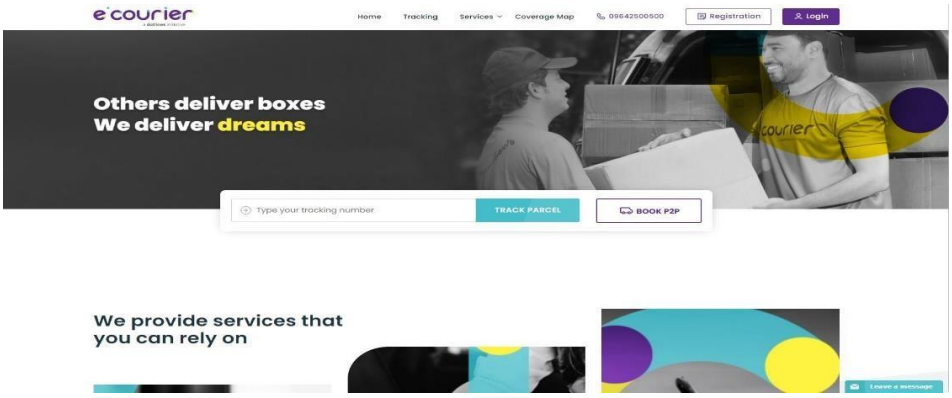

Figure 2.2.1: eCourier

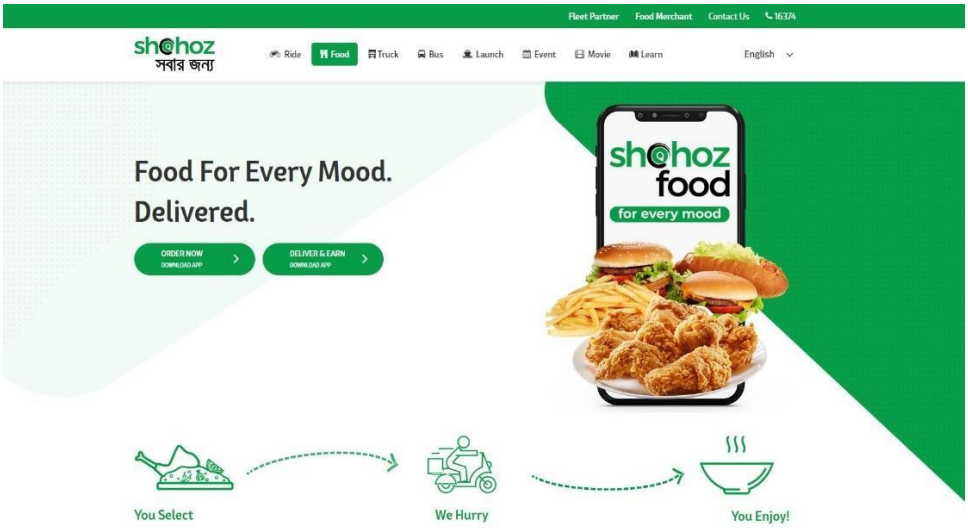

Figure 2.2.2: shohoz

Figure 2.2.3: ePharma

In Our country right now there are lot of new organization are popular for fast and secure delivery BioMed, ePharma, PATHAO, SHOHOZ, eCourier, Biddut Ltd. And mnay more. There are many advantages of this which are Free and cheap marketing, better customers data, makes the ordering process easier, efficient customer and order management, stay ahead of the competition and grow your bottom line. I added some figures of those delivery organization sites.

2.3 Comparative Studies

Bikroy.com sells various types of products. So, it's not easy for the villagers to get their products or post their product in this platform to sell. This contains a variety of categories that is beyond the usage and understanding of the villagers. In fact, it's not users friendly for the villagers. Villagers need a totally user-friendly platform that can be used by them easily & that will provide them the easy excess to buy & sell their products. Uber, Pathao are providing ride sharing. But basically, these are effective in the towns and not user friendly for the villagers or root level users. These are providing only ride sharing like car, motor bike and so on. But they are not providing the facilities of hiring agricultural related vehicles and machineries like pickup, tractor, harvesting machines and so on. Even we can't imagine of hiring laborer using these existing platforms. So we need such a platform that will provide these facilities.

2.4 Scope of the problem

In our country we face many problem one of the major problems is medicine problem. After our treatment doctors give us a prescription for collect medicine for this medicine, we run one place to another place So, we are ready to take this challenge of creating an easy system that would be totally user friendly for the customers and would provide them an all-in-one platform. They will be able to easily post their ads, buy their products. This will include only the medicine products. When admin insert product, customers see these products and easily buy this product after his/her registration and villagers can search for their desired products. They will get the products. This platform will act as a bridge between the resellers and the customers. So, customers will be able to buy their products to the resellers in the town within a higher price.

Like as the other ride sharing app, we are also providing sharing methodologies. But the difference is here we are going to provide the opportunity of sharing medicine machineries and medicine equipment. Now, Hope so using our web app, they will be able to easily buy a medicine sitting at home, will be able to buy medicine equipment so on.

We are going to provide the daily market price list of medicine products. Hope so it will be more effective for the customers to get right price of their products. Since they will be able to know

the actual selling price of their goods, frauds will not be able to deprive them of getting their right price.

2.5 Challenges

- Making our customers capable of using the web app is the biggest challenge.
- Reaching the root level customers to get their info is a big challenge.
- Making the app more user friendly is a big challenge.

CHAPTER 3
REQUIREMENT SPECIFICATION

3.1 Introduction

Necessity Detail is a report that portrays essentials for an item thing, program or set of ventures. Necessities in the item requirements assurance are imparted in standard tongue and are not stressed over particular execution. That is what the framework records are for. In programming improvement, the item essentials specific addresses the outcomes of the necessities assessment and depicts the requirements of the item a work in progress. Regardless of the way that it is generally made as a record, it can similarly be made in different designs, for example – an extraordinarily essential one – fit as a fiddle [1].

3.1.1 Software Requirement

The decision of programming prerequisite is according to the accompanying. We dealt with the online stage as work gains. We will foster an online stage and an application in cross stage. We would require HTML5, CSS3 JavaScript, jQuery and Ajax as the front end. MySQL, C#, OOP, ajax innovation as back-finish of our task. Here we additionally need XAMPP as nearby worker. As the code editorial manager, we would require magnificent word processor.

3.1.2 Framework, Language, and Tools

We utilized HTML5, CSS3, bootstrap, JavaScript, and Ajax as the front end, MySQL worker, C#, jQuery, Ajax as the back-finish of our venture.

We have fostered the application cross-stage utilizing Ionic, jQuery, Ajax, PHP, MySQL.

3.1.3 Hardware Requirement

- Processor – Dual Core
- Hard Disk – 20 GB
- Memory – 1GB RAM

3.1.4 Tools

A product development tool is a program or application that is used to plan, research, and maintain activities and applications. The word refers to direct operations that are connected by chance to carry out a task, similar to how different control devices might be used to solve a real-world problem.

To work on this site, we utilized the accompanying instruments:

- ASP.NET Center.
- MySQL information base.
- Browser.

3.1.5 Database

A data set is an organized assembling of data. The data is conventionally masterminded to layout fundamental characters of reality such that keeps up implies mentioning this information. The resulting data set is endeavoring to upgrade this site is MySQL. MySQL is a social information base organization structure. Picking an information base is basic and more basic than another thing for developing an undertaking. We like MySQL considering the way that it is the most suitable information base for us for a couple of reasons. Those reasons will be given beneath. MySQL data set is savvy about saving any data that we need. It will allow you quickly to store and recuperate information and various site visitors can practice it at one time.

- MySQL is a data set worker.
- It is great for both little and huge applications.
- MySQL Supports standard SQL.
- It is allowed to download and utilize.

3.2 Business Process Modeling

Business measure displaying is framework's designing is the action of addressing cycles of a venture, so the current interaction might be investigated, improved, and mechanized.

BPM is regularly performed by business investigators, who give aptitude in the demonstrating discipline by topic specialists, who have particular information on the cycles being displayed or all the more generally by a group containing both. [4]

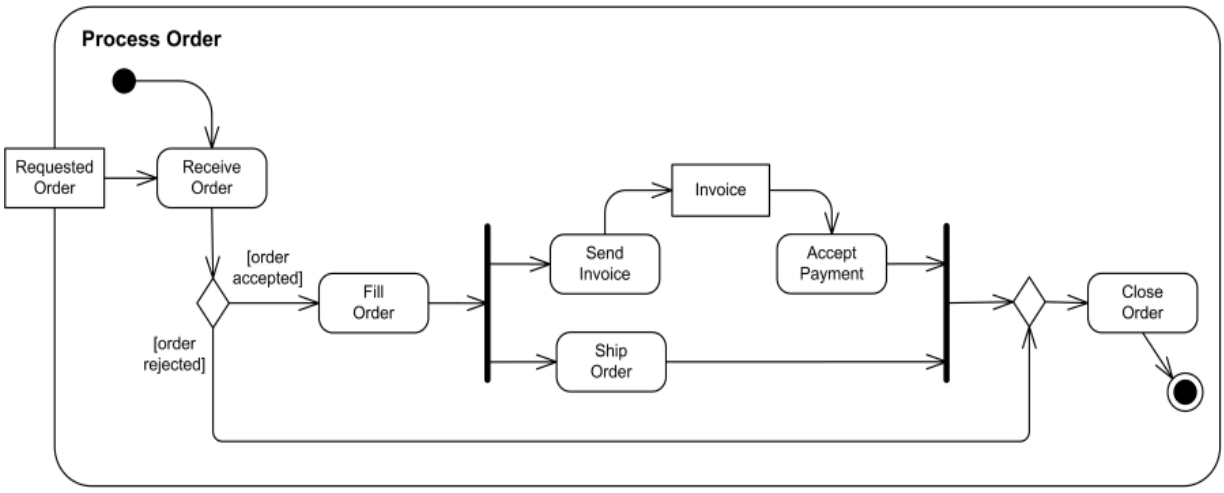

Figure 3.1: Business Process Modeling Diagram

3.3 Use Case Modeling and Description

In programming and frameworks designing, a utilization case is a rundown of activities or occasion steps that characterizes the cooperation's between a job and a framework to accomplish an objective. The entertainer can be a human or other outer framework. It is utilized in light of the fact that it shows the collaboration rationale between the items in the framework in the time request that the associations occur.

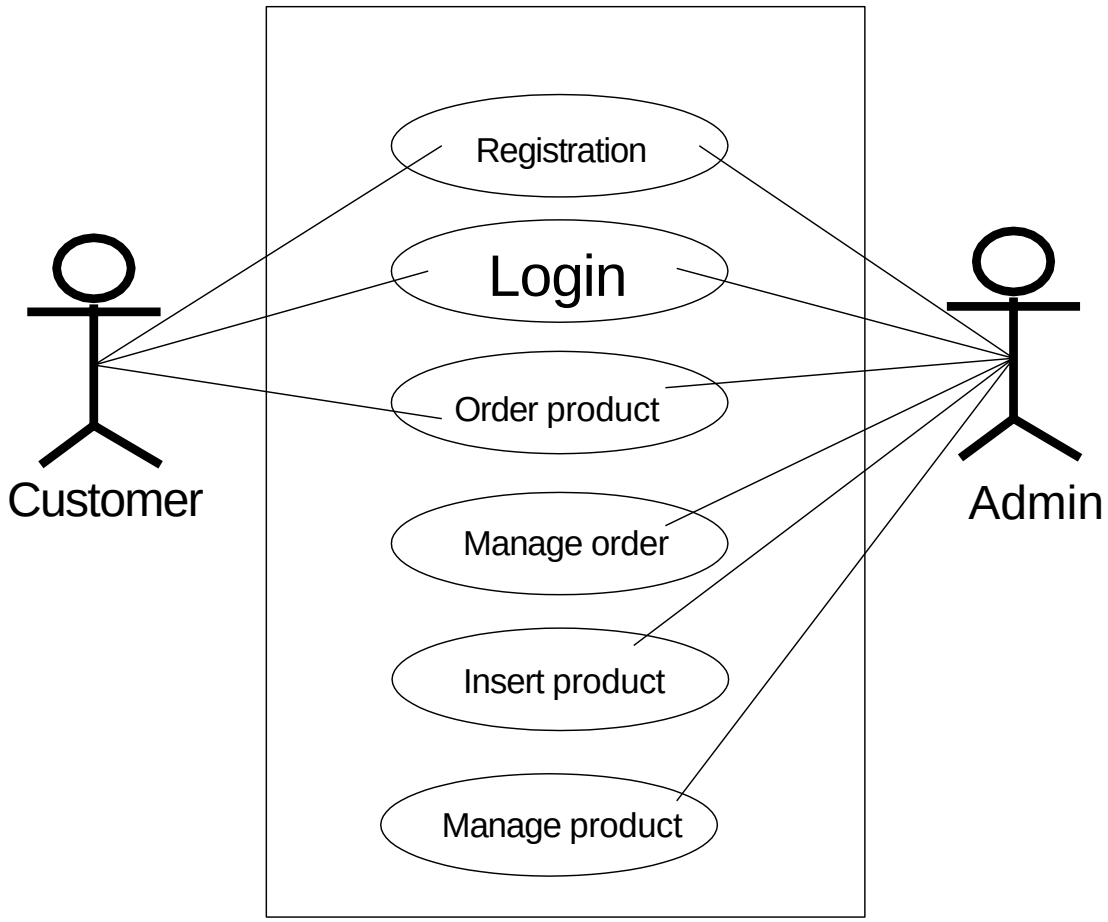

Figure 3.2: Use Case Diagram of general user's activity

Chapter 4
DESIGN SPECIFICATION

4.1 Front-end Design

A layout assurance is a point-by-point record giving information about an arranged thing or cycle. For example, the layout detail should fuse each fundamental delineation, estimation, environmental factors, ergonomic parts, polished components, support that will be required, etc. It may moreover give specific points of reference of how the diagram should be executed, helping others work really (a standard for what the individual should do) [2].

The front-end configuration would incorporate innovation

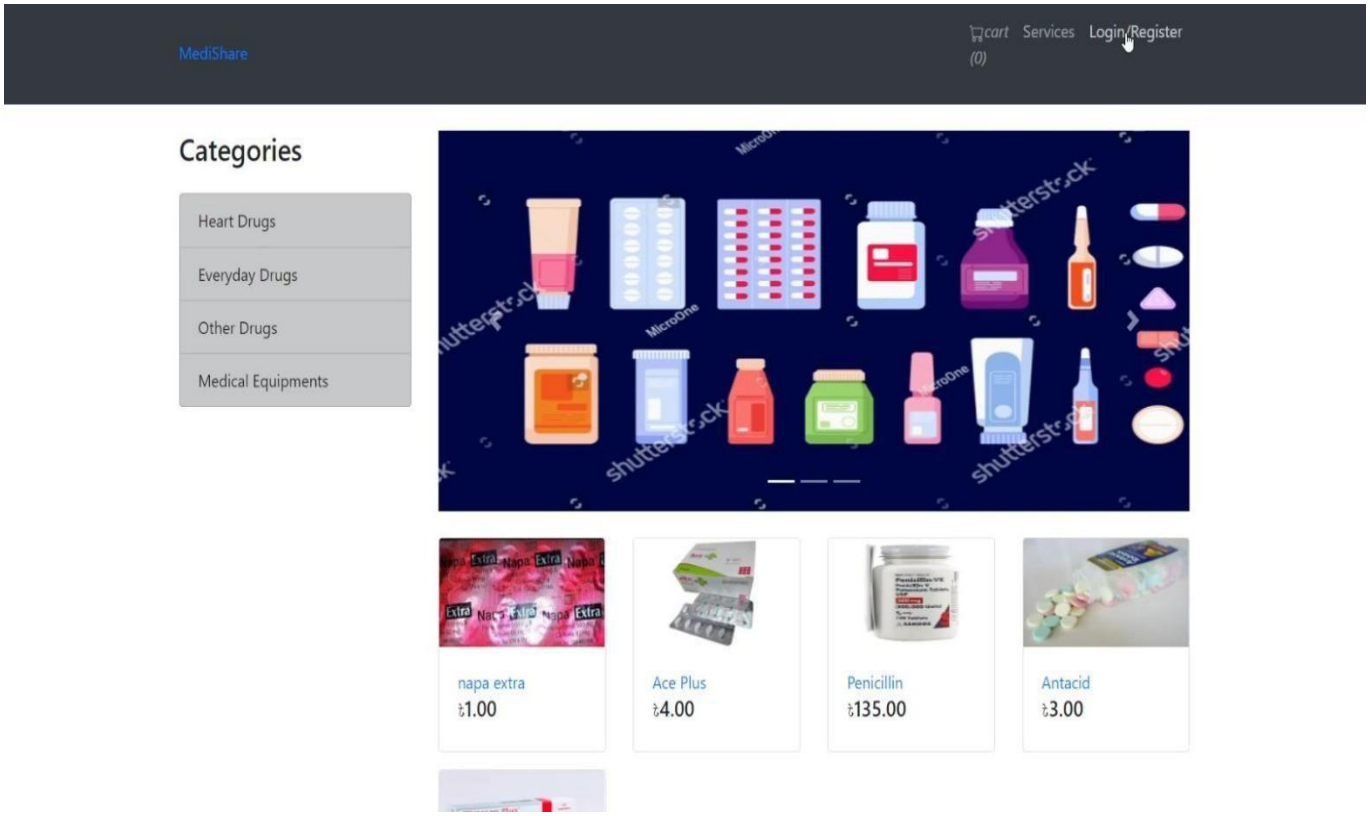

Fig 4.1.1 Home Page

We will have two front-end plans. This one is intended for our site. We are for the most part zeroing in on the site. The web view will be accessible in one language: English. Here will have two front-end clients: specialist co-op and administration searcher.

Our site will be accessible just in English and it will be easier to use for everybody. It will contain voice course of how to utilize it and what to do on each page of our application.

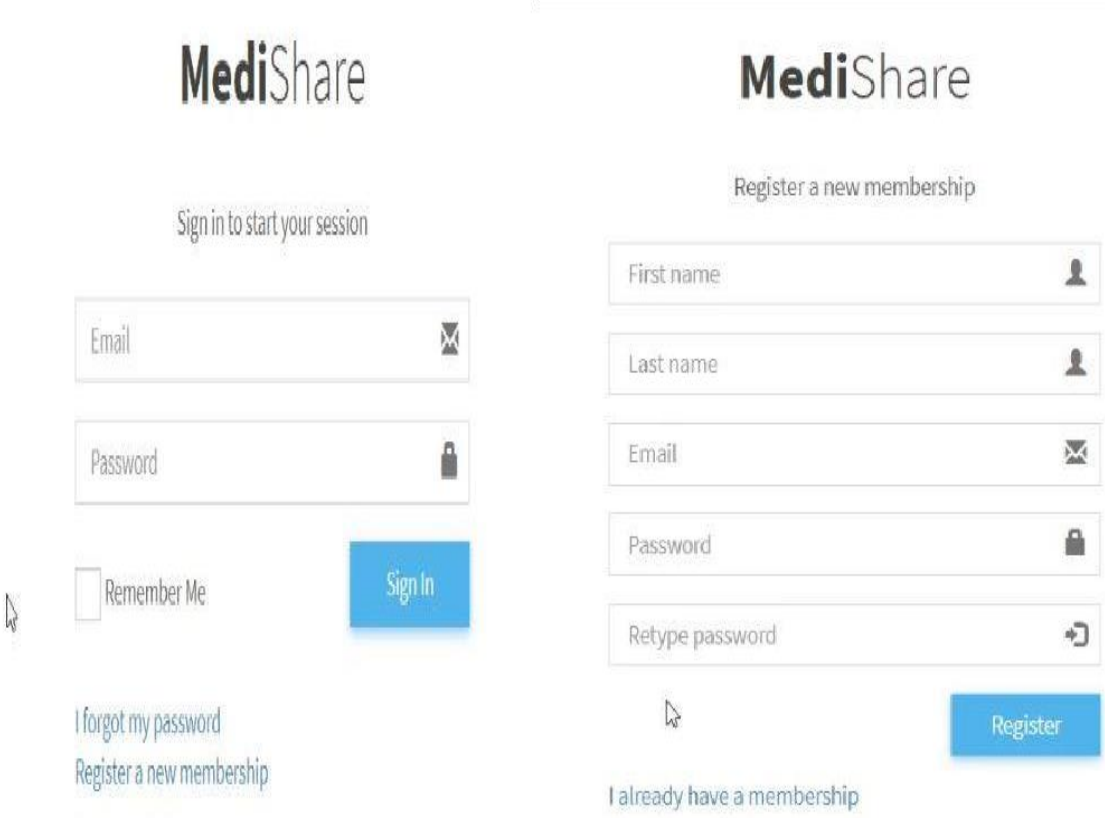

Fig 4.1.2: A part of registration page

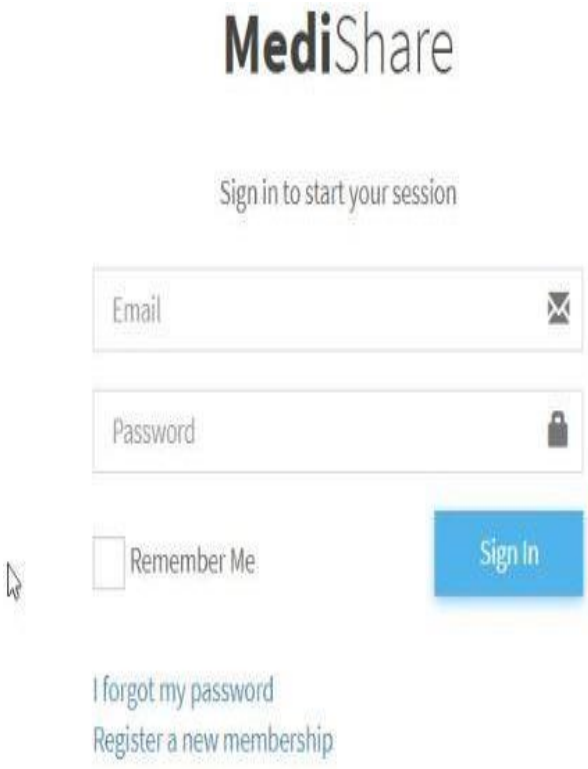

Fig 4.1.3: Login page for admin

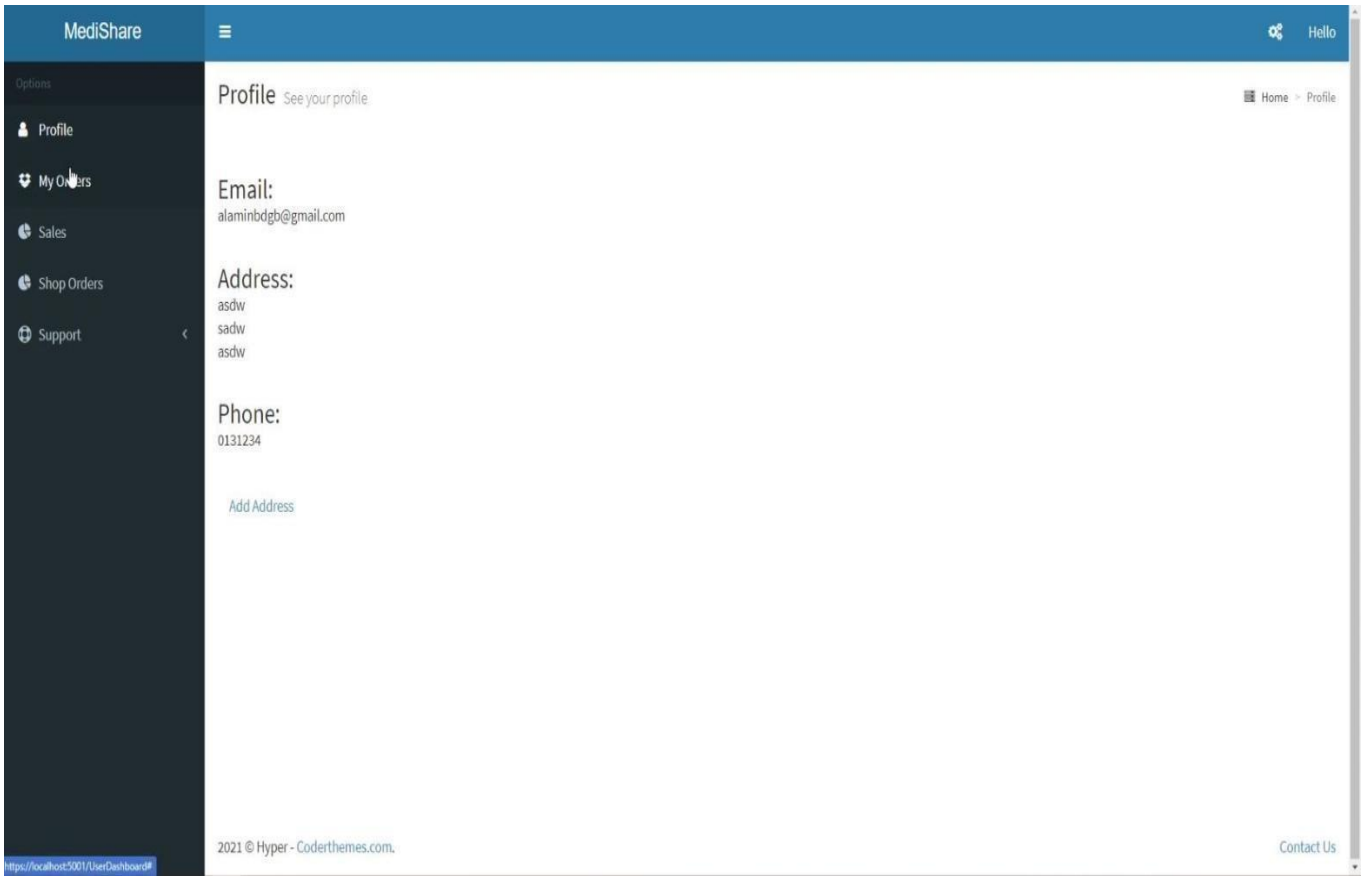

Fig 4.1.4: Admin Panel Dashboard Design.

Admin Panel: We would control all the usefulness of our framework utilizing the administrator board for both site and application. Any classes and sub classifications of items can be effectively progressively added utilizing administrator board.

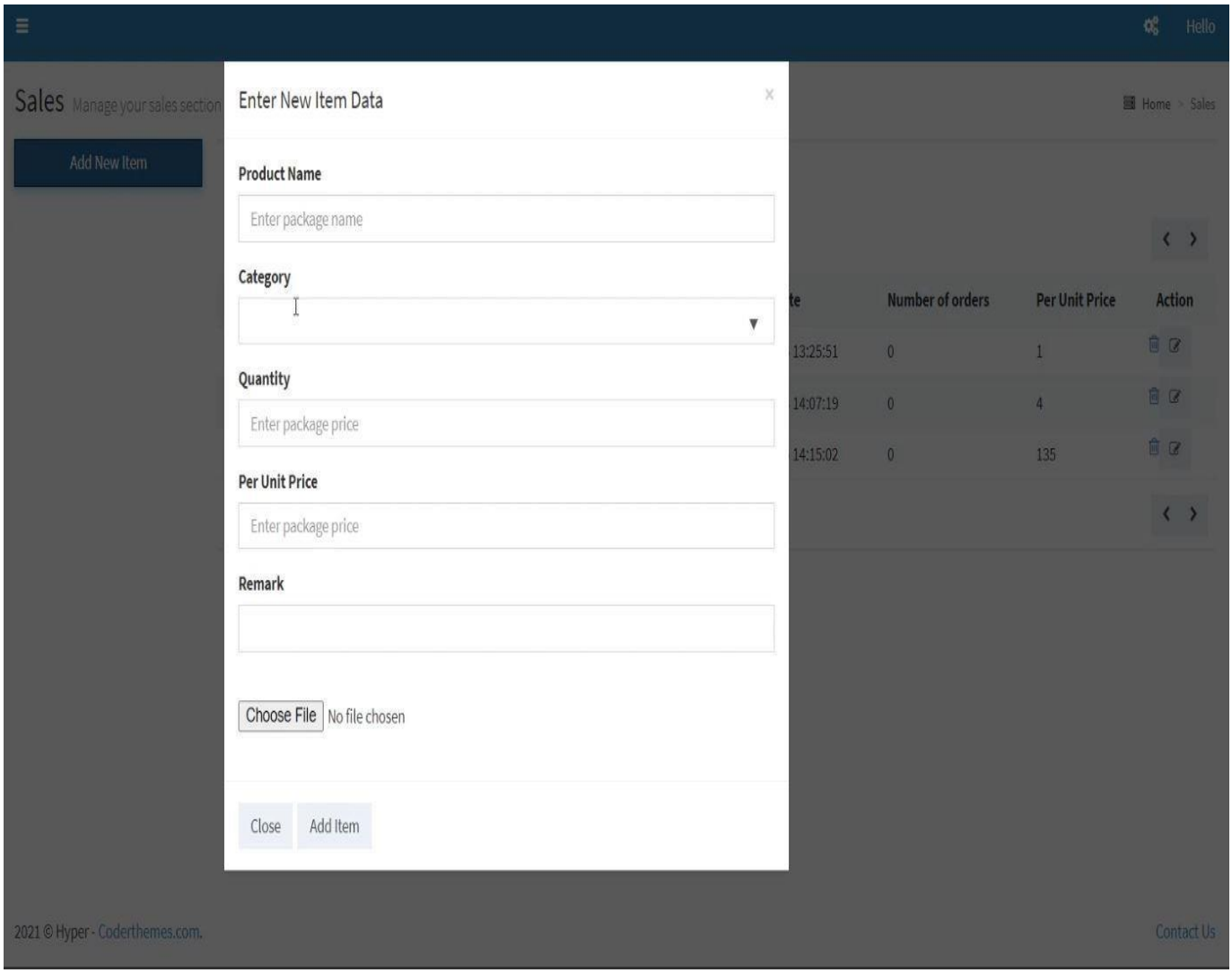

Fig 4.1.5: Insert product page.

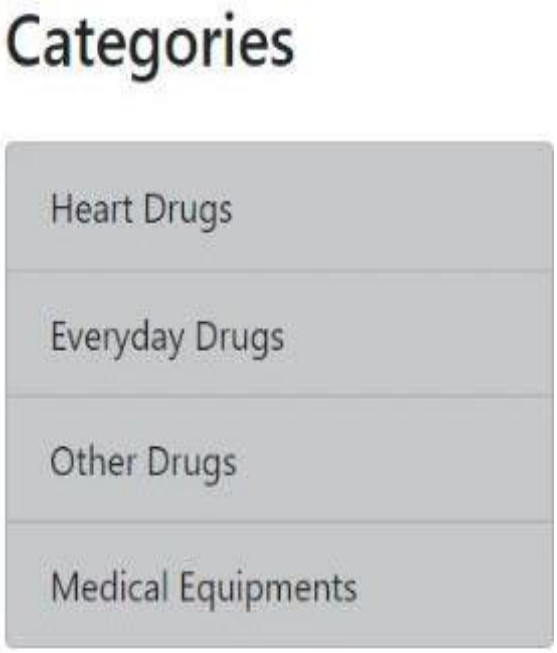

Fig 4.1.6: Categories page of medicine

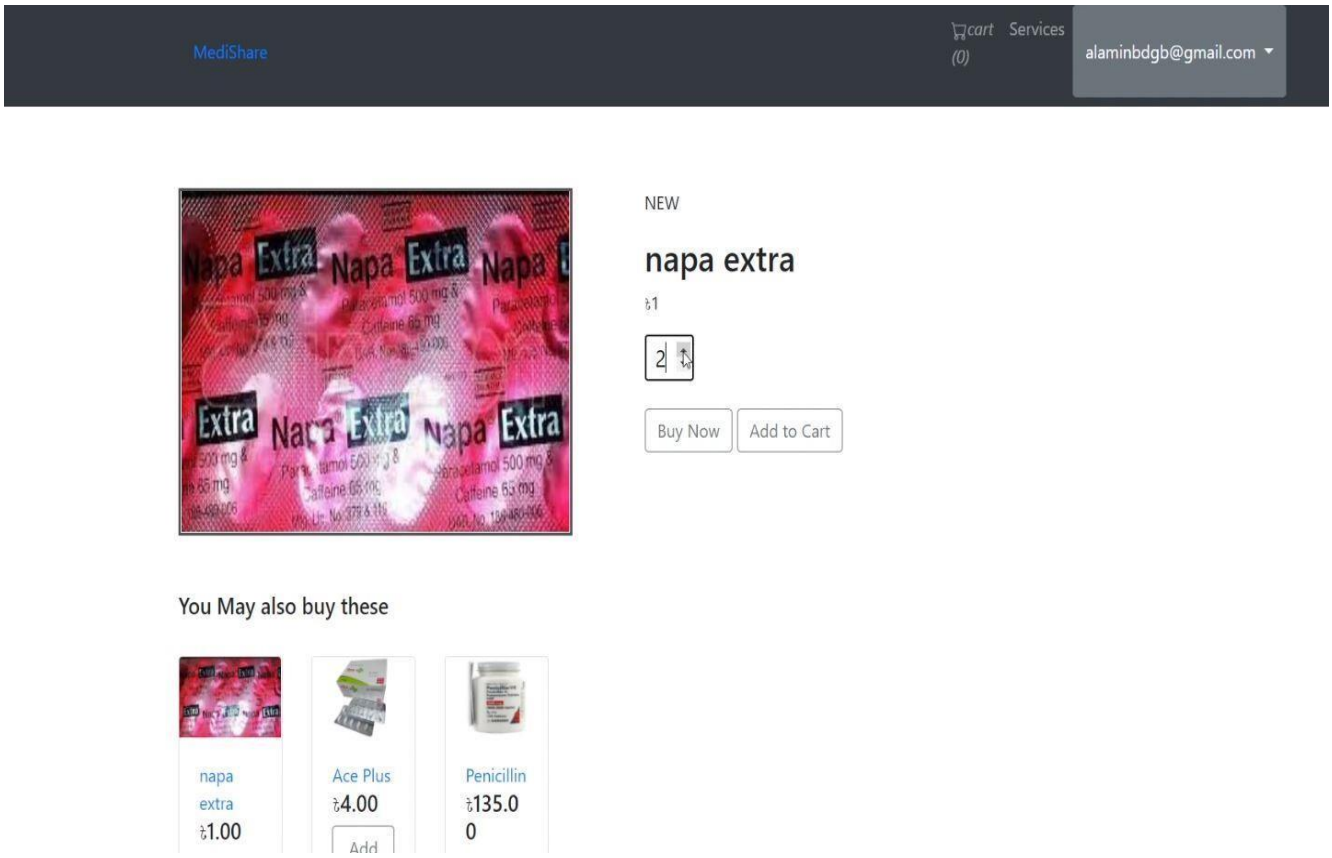

Fig 4.1.7: Product details page

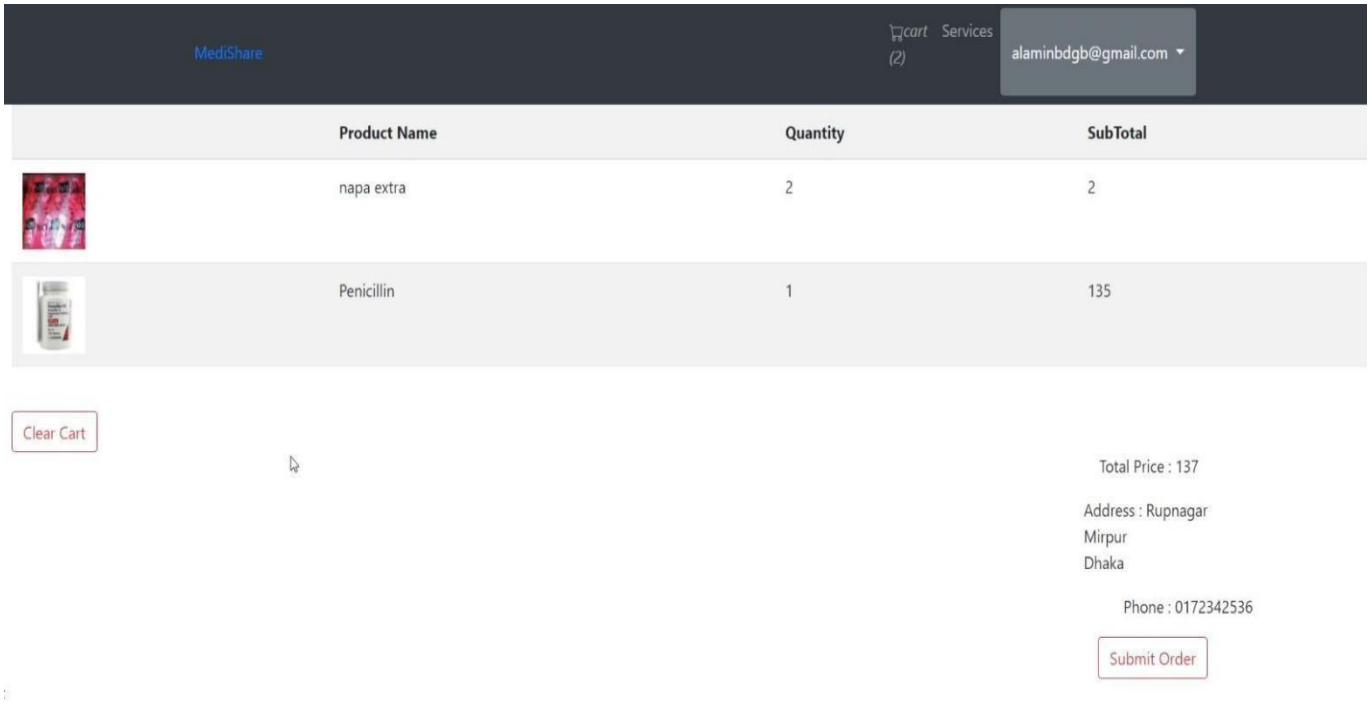

Fig 4.1.8: Shopping cart page

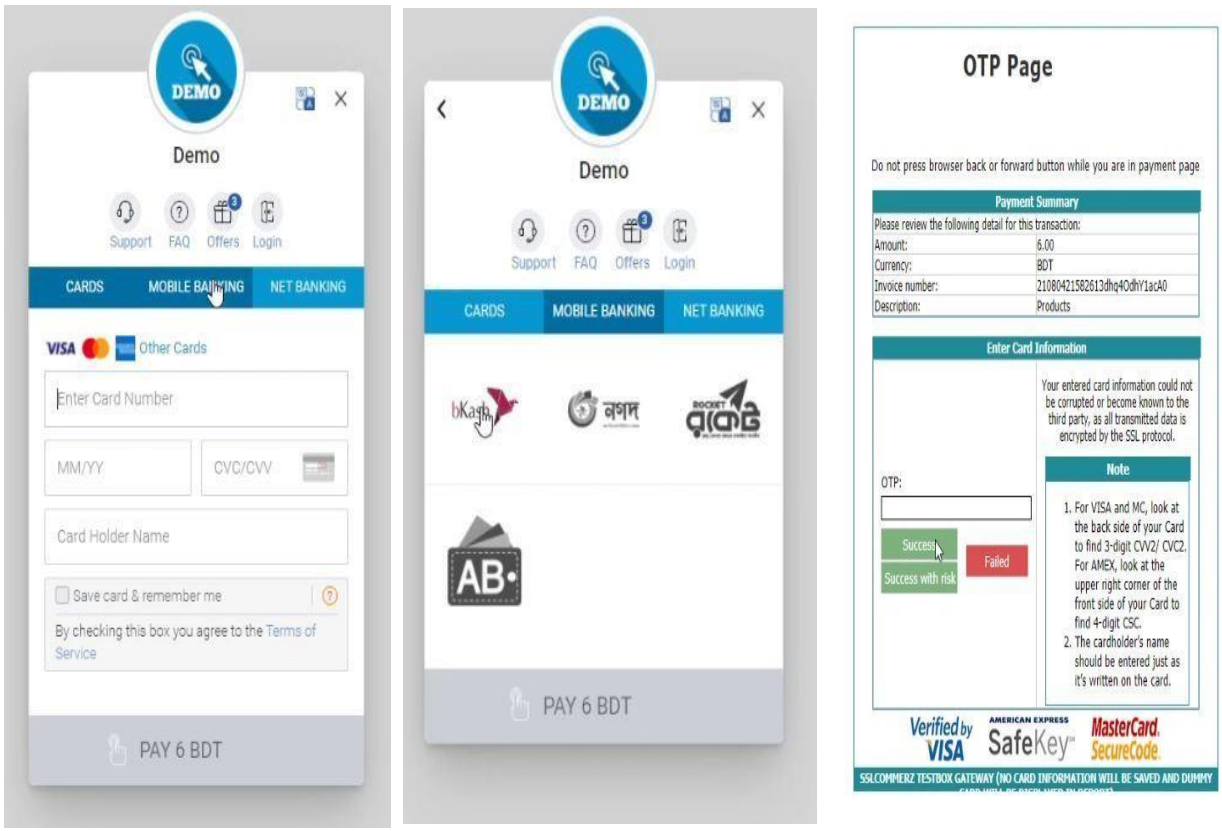

Fig 4.1.9: Payment method Page

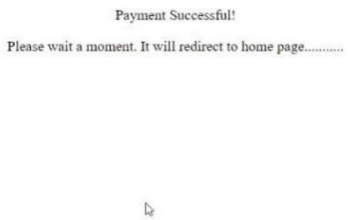

Fig 4.1.10: Order track

4.2 Back-end Design

The back-end, or "worker side" plan is responsible for how the site functions, updates, and changes. This refers to anything that the client can't find in the application, such as data bases and workers.

Security, construction, and content administration are all managed through back-end configuration.

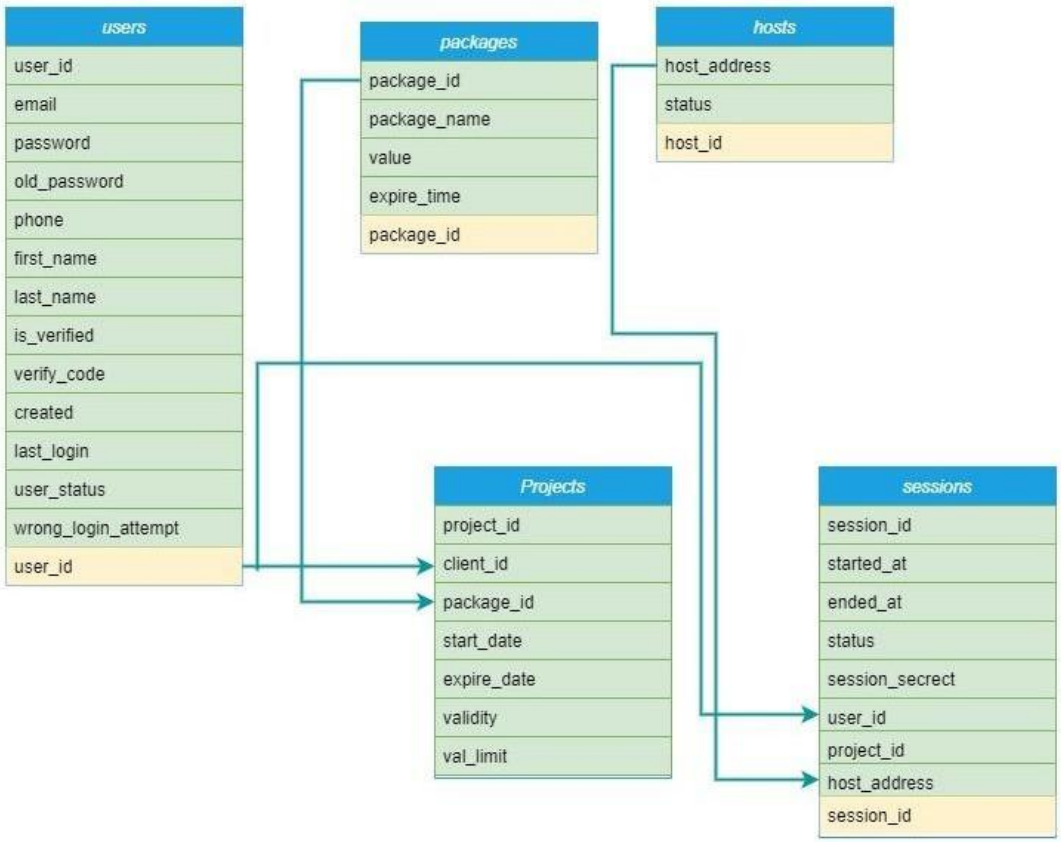

Fig 4.2: Database Design of Medi Share

4.3 Interaction Design and UX

Association Configuration is the diagram of the support among clients and things. The objective of affiliation game plan is to make things that assist the client with accomplishing their objectives in the most ideal manner that could be open

UX Configuration suggests client experience plan which is the way toward further developing consumer loyalty by keeping up the convenience, openness, and euphoria gave in the investment between the client and the thing.

It isn't simply worried about the insightful materials yet in addition the manner by which certain materials look, feel or make to pass on explicit yields.

4.4 Implementation Requirements

Execution prerequisite is the methodology of execution a course of action, a technique, or any arrangement, thought, show for building a structure. The movement should seek after any central prevailing upon the objective for something to truly happen.

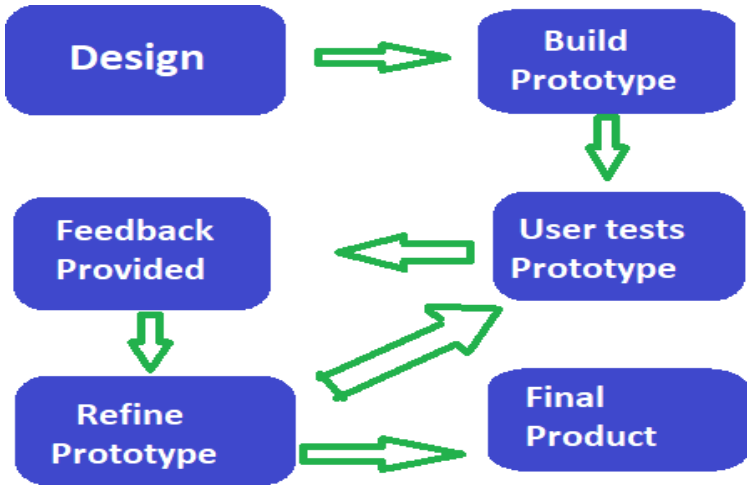

Fig 4.3: Requirements of Implementation

Our Framework is designed to be easily updated in response to end-client and client feedback. The knowledge base, user interfaces, and working cutoff points are all created by us. After reviewing the model, the client makes suggestions for improvements. Our drift will continue until the client is satisfied. In order to complete this application, we will need to communicate with the root level customers. We might want to get them ready what is the best way to use this framework and what are the benefits of using it.

CHAPTER 5
IMPLEMENTATION AND TESTING

5.1 Introduction

Execution is a basic part to manage an application. It upgrades to the improvement of the critical systems for applying the plan. After utilization a game plan we need to develop the system as shown by the structure.

Prior to executing the framework, we would need to test the framework utilizing demo information. So, we need to gather a great deal of demo information and test the framework utilizing those.

5.2 Implementation of Database

We leverage a MySQL database on our system for both location and flexible applications. We utilize a central information set that provides both location and application. It holds each data in our system. To be honest, before applying it to our customers, we tested the convenience of a database where each feature and social table is working properly. We insert 300 entries containing about 200 surrender illnesses and their corrections. It also registers 4050 clients to test the correctness and security of the system.

5.3 Implementation of Front-end Design

Executing the front-end design is one of the key techniques for launching web applications. Best of all, we can recommend running the framework among some people, implemented to test that the front-end features work properly. We test how maintenance options carry a lot of burden. We collect their criticisms and try to manipulate plans and functions based on their opinions. We are doing our best to make the front-end plan easier to understand.

We were using equipment to complete the front-end planning for the structure.

- HTML (the basis of all site improvement measures).
- CSS (shows the display part of the website and allows the web application to look interesting).
- JavaScript (turns static HTML pages into a powerful interface).

- Bootstrap (a front-end structure that includes HTML and CSS-based planning formats).
- jQuery (a cross-stage JavaScript library for working with HTML).

5.4 Implementation of Interaction

Execution of correspondence is done thinking about the essential of customers of a framework. We have contemplated the going with models for executing the collaboration of our system.

- User fulfillment.
- Making the framework simple to explore.
- Having a remark area by making an input alternative.

5.5 Test Results and Reports

Test ID	Date	Module	Test Cases	Test Data	Pass/Fail	Status of Bug	Comments
1	11/08/21	Login	Login as Admin	Admin's username and password	Pass	N/A	Only login panel for Admin

Table 5.6: Registration

Test ID	Date	Module	Test Cases	Test Data	Pass/Fail	Status of Bug	Comments
1	11/08/21	Registration	User Registration	User's name, and password	Pass	N/A	Registration for the users

CHAPTER 6
CONCLUSION AND FUTURE SCOPE

6.1 Discussion and Conclusion

We have endeavored to complete the project and meet the legitimacy of developing our efforts. We are convinced of our creation. Where everyone is considering creating a framework that helps them, we considered the inhabitants, who are the main driving force of our economy. But they are adding to our country and denying the true cost. Our point is to stay close to them to help them get the true cost of their products and associate them with innovation. We are well aware that assignments are not very natural to be able to use this framework, but we are confident. Our townsfolk were in the days when they couldn't even use a cell phone, but now they are using it. So why would they really want to use this framework? Our residents cannot be left unheard of every year. In a few years, they will become more involved in innovation. If solitary ranches benefit from using our framework, that would be acceptable.

6.2 Scope for Further Development

Our task can be improved with more provisions and content to help the clients. We have planned for certain provisions to be carried out in the future to make the framework simpler and easy to understand. A portion of these components are talked about underneath:

- Speech to message for taking the contribution to different structures to make the framework more usable for the locals.
- GPS framework for following the area of the poor individuals.
- Overall guidance of computerized medication conclusion. Our framework will consequently figure the necessary measure of medication of residents exhaustively. (Residents should give infection subtleties)

References

[1] Learn about Software details, available at
[2] <<https://www.microtool.de/en/knowledge-base/what-is-a-software-requirements- specification/>>, last accessed on 11-08-2021 at 12:15am
[3] Learn about Design details, <<https://en.wikipedia.org/wiki/Design_specification>>, last accessed on 11-08-2021 at 12:29am
[4] Learn about Business Model diagram, available at << https://www.lucidchart.com/documents/view/ef086821- 85f9-4a9e-ac49-1b2cd45126bc/0>>, last accessed on 13-08-2021 at 12:34pm
[5] Learn about MySQL, available at <<http://www.mysql.com/>>, last accessed on 13-08-2021 at 12:45pm
[6] Learn about Binary Tides, available at<< https://www.binarytides.com/winsock-socket-programming-tutorial/ >>, last accessed on 15-08-2021 at 1:49pm
[7] Learn about C-sharp, available at <<https://www.c-sharpcorner.com/>>, last accessed on 15-08-2021 at 10:29am
[8] Learn about Work with reflection in C, available at<<https://www.inforworld.com/article/3027240/how-to-work-with-reflection-in-c.html>>, last accessed on 15-08-2021 at 10:59am

Plagiarism Checked by Abdus Sattar, Assistant Professor, Department of CSE	 26-08-2021

MediShare

ORIGINALITY REPORT

22%	9%	0%	20%
SIMILARITY INDEX	INTERNET SOURCES	PUBLICATIONS	STUDENT PAPERS

PRIMARY SOURCES

1	Submitted to Daffodil International University Student Paper	19%
2	dspace.daffodilvarsity.edu.bd:8080 Internet Source	1%
3	Submitted to Federation University Student Paper	1%
4	Submitted to Nelson College London Student Paper	1%

Exclude quotes	Off	Exclude matches	Off
Exclude bibliography	Off		