

Mobile store

BY

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

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APPROVAL

This Project/internship titled “**Mobile store**”, submitted by Nazmul Islam, ID No: 182-15-2145 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 Bachelor of Science in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 12th September 2022.



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DECLARATION

I hereby declare that, this project has been done by us under the supervision of **Ms. Shayla Sharmin, Senior Lecturer, 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.

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

ABSTRACT

The majority of the guiding structures in today's world have been replaced by automated technology. With this in mind, I have made an effort to computerize the mobile phone shop system, which will be crucial in the field of finding mobile phone systems. This web-based program has a large capacity for searching Mobile in the shortest amount of time and effectively removing unneeded inconveniences. With the help of this application, an authenticated user can browse the website, view every mobile phone that is offered, do a search, add their preferred mobile to the cart, and purchase a mobile phone using payment. Through the messaging system, they can connect with one another and converse with one another.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

This project has been created for an online mobile store where search mobile by categories by brand name, colors, price range. Check the mobile name by searching and find the desire mobile phone. After finding the mobile a user can add his mobile on the card. Then user can buy mobile phone by payment gateway. Then after checking the confirm payment the order has been confirmed. User can also contract admin by sending their complaint.

1.2 Motivation

In Bangladesh, 80% of individuals use a cell phone. People struggle to effectively locate their unique mobile. Both the technique and the use of a newspaper or other source take time. Therefore, I want to create a project similar to a mobile shop to address this issue. People may quickly locate their chosen mobile device here that is current. This initiative provides a platform for mobile buyers or seekers to quickly identify mobile that meets their needs and aids businesses in becoming successful.

1.3 Objectives

1. Describe the new mobile phone in detail.
2. Cut costs & time.
3. You may easily locate a lot of mobile phones.
4. Search based on their brand names.
5. Look for items based on their hues.
6. Create a common profile.
7. System profile agreement.
8. Contact system.

9. Get messages when new user want to contract to admin.
10. To Provide the information of Mobile prices.

1.4 Business Procedures

The following is how the procedure unfolds:

1. Individuals create profiles.
2. The customer's profile is added to the database.
3. The user can look up the mobile phones that are available.
4. The user places the chosen mobile phone in the shopping cart.
5. The user can pay for their phone after adding it to the cart.
6. The order will be confirmed if the payment was successful.
7. User sends report on anyone with incorrect or missing information.
8. If everything is in place, the phone can be delivered.

1.5 User List

1.5.1 Customer

One of the users of this system is the customer. By registering, they are essentially building their own profile in the system. The system can be accessed by each customer by inputting their unique username and password. They will use the system to browse products and add the mobile devices they choose to the Cart. They have the ability to communicate with the administrator and report any errors that occur in the system.

1.5.2 Admin

The most crucial component of this entire web system is the administrator. Any new account can be verified by the admin before its profile is added to the database. In terms of situations, administration may act or regulate the system. Admin have complete control on everything. For the benefit of the internet, he is always free to add to or remove content from the device. If he finds any accounts on the machine with improper interests, he will remove them.

CHAPTER 2

OUR SYSTEM'S SERVICES

2.1 Mobile Phone Search

Nowadays, a mobile phone is one of the most essential items. The way new phone buyers search in their daily lives prevents them from finding the ideal phone. Additionally, the user does not receive the desired cellphone. My newly created system enables Users to look for a mobile phone using specific parameters. Where they like brands, what colors they desire, what they read about how much they are paid, and what they want to pay for. Users can search for anything in my built system, regardless of the brand of mobile phone they desire. My system will give users the top mobile phone search results.

2.2 Add to the Cart

Nowadays, a mobile phone is one of the most essential items. The way new phone buyers search in their daily lives prevents them from finding the ideal phone. Additionally, the user does not receive the desired cellphone. My newly created system enables Users to look for a mobile phone using specific parameters. Where they like brands, what colors they desire, what they read about how much they are paid, and what they want to pay for. Users can search for anything in my built system, regardless of the brand of mobile phone they desire. My system will give users the top mobile phone search results.

2.3 Contact Service

Users can contact the admin for any questions if there is a problem with my system or if I cannot locate a particular mobile phone. Additionally, once connected, users can converse with one another via the system's messaging feature.

2.4 Benefits

For User:

- 1.New mobile phone search service brands.
- 2.Lower cost of finding.
- 3.Easy access to the top mobile phones is now possible.
- 4.Availability of real-time data.
- 5.Readiness for statistical analysis.

2.5 Expected Result

I created this interactive, dynamic system to help users select the best mobile phone at the best price and to purchase a phone using a variety of payment options.

CHAPTER 3

DETAILED SYSTEM ANALYSIS

We will talk about and evaluate the development process in this chapter. Mobile Shop: A Web Project for Locating and Purchasing Mobile Phones, Including Software Requirement Specification (SRS) and Comparison of Existing and Proposed System. Before the growth process is completed, the SRS element includes the functional and nonfunctional needs to provide a thorough description and evaluation of machine requirements. However, comparing the current and proposed designs shows how the latter could be more effective than the former.

3.1 Software Development Requirements

The software requirements describe the desired system's characteristics and capabilities. Users' needs for the final software product are communicated through these requirements. From the client's perspective, the requirements may be blatantly evident, obscure, well-known, or utterly unanticipated.

3.2 Customer Needs

A computerized technology called the mobile shop system aids individuals in managing their mobile phone search and purchase transactions. It cuts down on time. It can assist the user in managing the data record more efficiently and quickly.

Issue Statement:

The issue existed prior to the use of electronic devices and includes:

1. It was difficult to find a cell phone that met all of the desired criteria.
2. Mobile service was unavailable in rural areas.
3. It simultaneously saves us precious time and money.

3.3 Hardware and Software Specifications

Functional Requirements are Listed here:

1. Database data should be retrieved by the system.
2. The system must store information in a database.
3. Distribution should be shown on the system.
4. The system should show the user's profile.
5. The system should enable admin contact for users.

Listed Nonfunctional Requirements are:

1. The system must be highly secure. For instance, only the administrator might need access to a web control page. And the disclosure of user information has stopped.
2. The system needs to react to user input quickly. Customers, for instance, don't have to wait around for too long after clicking or selecting a button.
3. The system must support multiple concurrent users. It won't crash because of the system.
4. The system should only need maintenance sometimes, ideally once every week.

3.4 Contrasting the Two Systems

The hardware and software specifications for the machine are described in this section.

Software Specifications:

1. Operating system: Windows 10 is utilized since it is reliable, provides more features, and is more user-friendly.
2. MySQL database: MySQL is used as a database because it is simple to manage and retrieve entries using straightforward English-language queries that are simple to read and write.
3. HTML is used as a development tool and programming language to create web pages along with CSS, java script for styling, and PHP for server-side scripting.

Hardware Specifications:

1. The Intel Core i3 7th Generation processor is utilized because it is faster than other processors, provides consistent and stable performance, and allows us to run our PC for extended periods of time. We can easily continue expanding our project by utilizing this processor.
2. 8 GB of RAM is picked since it will enable quick reading and writing, which will aid in processing.

3.5 Not Existing

It's the age of science and technology right now. Some websites can be accessed through Mobile Shop. Those are an informatics website. I created this application to make it simple for users to locate and purchase the mobile devices they need.

✓ Existing Methods

There are now two ways to purchase a mobile phone.

Offline Method

The user of this system must be familiar with mobile phones in practice or seek assistance from a company that provides mobile phones. However, there are certain drawbacks to this system: (i) Obtaining a mobile phone requires relying on others, (ii) it takes time, (iii), and (iv) there are not many options.

Online Method

There are a few online stores, such as mobiledokan.com [3], where you can purchase a mobile phone, but you are unable to search by color or interact with other users there. For communication, they must rely on a cellphone or email service. And neither has access to the option.

3.6 My System's Expectations

The researcher examined the possibility of providing an original, effective system to apply the advance search and connection policy after analyzing the current system and noting its flaws. The device's design and implementation are both fairly straightforward. The system works in practically all settings and calls for very little system resources. the following characteristics:

1. Ensure data precision.
2. DBMS effectively maintains records.
3. Information security is another feature of DBMS.
4. Anyone with internet access anywhere in the world can use this service.
5. The user will obtain the search results they want.
6. User can add profile to get desired outcome.
7. The least amount of time required for various processing.
8. Better Support.
9. Internal communication system
10. Minimum amount of time needed
11. Customized offerings.

3.7 Utilized Software Tools

The front end and back side of the entire project are separated.

Front End:

HTML, CSS, and Bootstrap are used to design the front end.

HTML: The primary markup language used to create web pages and other content that can be seen in a web browser is HTML, or Hyper Text Markup Language. In the content of web pages, HTML is written as the A form of HTML elements, which are made up of tags surrounded in angle brackets (such as). HTML tags typically occur in pairs like "h1" and "/h1," while some, like "img," stand alone and are not paired.

CSS: A style sheet language called Cascading Style Sheets (CSS) is used to describe how documents written in markup languages look and are formatted. The language can be used to create any sort of XML document, including plain XML, SVG, and XUL. However, it is most frequently used to create web pages and interfaces written in HTML and XHTML. Nearly all web pages utilize CSS style sheets to specify their presentation since CSS is a key web specification. The main purpose of CSS is to distinguish between the display of a page and its content, which includes elements like layout, colors, and fonts.

JAVA SCRIPT: A dynamic computer programming language is called JavaScript (JS). It is most frequently used as a component of web browsers, whose implementations enable user-facet scripts to communicate asynchronously, manage the browser, and alter the visible record content. Additionally, it is used in game development, server-aspect programming, and the production of computer and mobile app packages. A programming language with dynamic typing and first-class functions, JavaScript is based on prototypes. C had an influence on its syntax. Though the two languages are otherwise unrelated and have entirely distinct semantics, JavaScript borrows many Java names and naming conventions. The most crucial JavaScript design inspiration comes from the author.

Back End:

MySQL and PHP are utilized in the back-end's design to create the databases and logic.

MySQL: The second-most popular open-source relational database management tool worldwide is MySQL (RDBMS). The acronym for it is SQL, which stands for Structured Query Language. It is named after co-founder Michael Widener's daughter. The GNU General Public License and a number of additional proprietary agreements are both used to make the source code for MySQL public. One for-profit corporation, the Swedish firm MySQL AB, now owned by Oracle Enterprise, used to own and support MySQL.

PHP: A server-side scripting language called personal home page was created for web development but is also widely used as a general-purpose computer language. More than 244 million websites and 2.1 million web servers presently use Hypertext Preprocessor. The PHP Group presently produces the PHP reference, which was first developed by Ramus Leadoff. It used to stand for PHP, but now it stands for PHP: Hypertext Preprocessor A web server's PHP processor module interprets recursive PHP code to produce the resulting internet web page: Instead of calling an external file for information, personal home page commands can be directly inserted within an HTML supply file.

CHAPTER 4

SYSTEM DESIGN

Different program modules, their features, and how they work together will all be designed as part of the system's architecture. The system design includes functions and subroutines that connect the front-end and back-end and offer data processing. The front-end designs will save all the information in the database where it is all stored. The goal of the new strategy will be to create some programmable modules for communication because they'll need a means of doing so. Administrator users can generate signed up and created managers of signed up users in addition to managing users, mobile searching, and connection establishment. When the functions changed by multiple users are typically required utilizing the PHP scripting language and JavaScript, these advancements were typically accomplished using the development tool VS Code. A typical user cannot do system administrator responsibilities, so system users' sessions tracking is implemented to track access to users' accessibility and other functionalities.

4.1 Data Flow Diagram

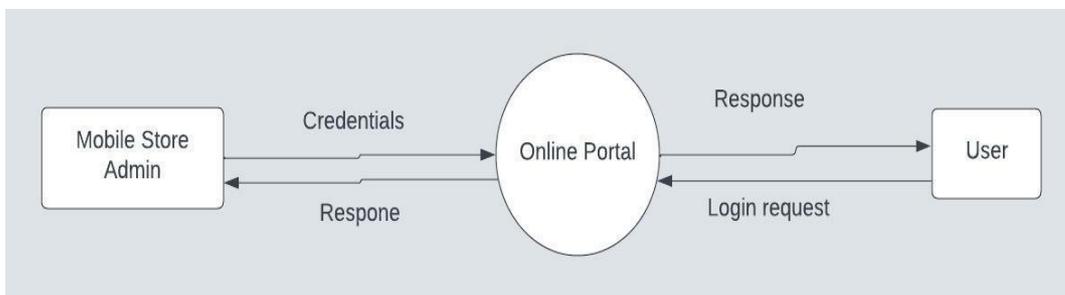


Figure 4.1: DFD 0 Level Diagram

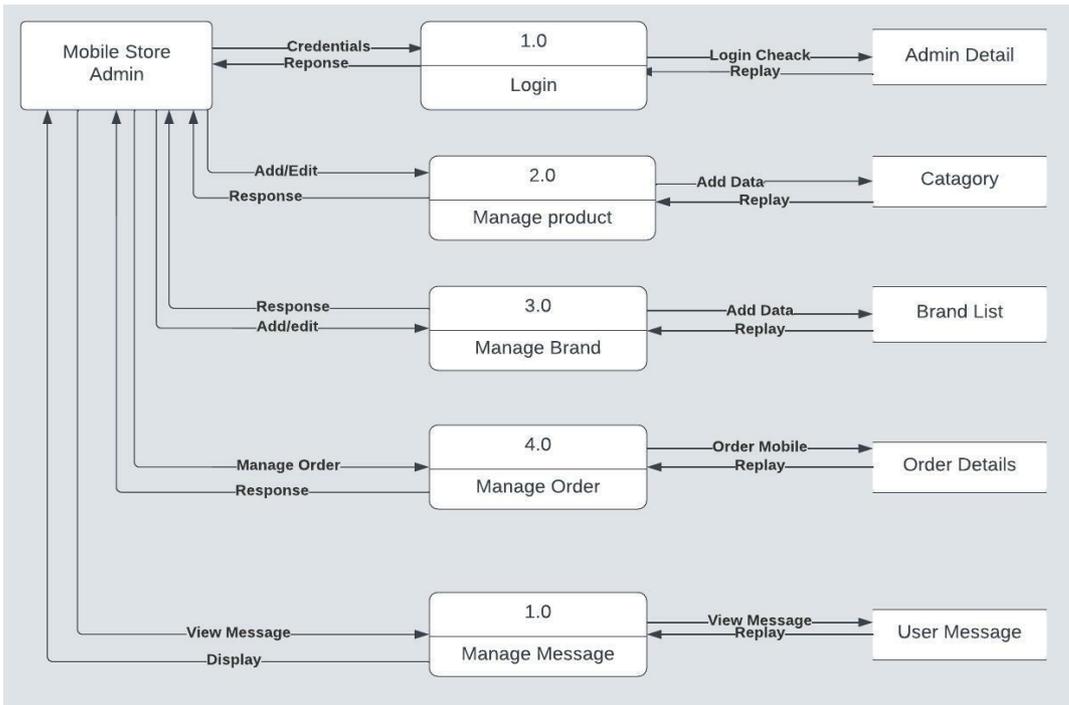


Figure 4.2: DFD 1 Level Diagram

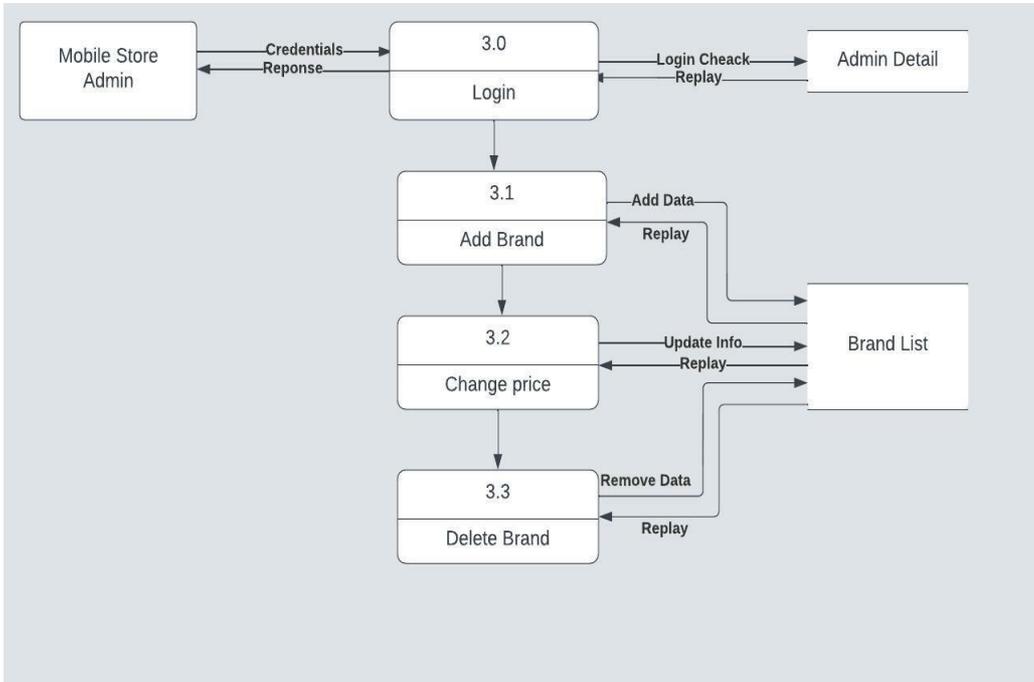


Figure 4.3: DFD 2 Level Diagram

4.2 UML Activity Diagram

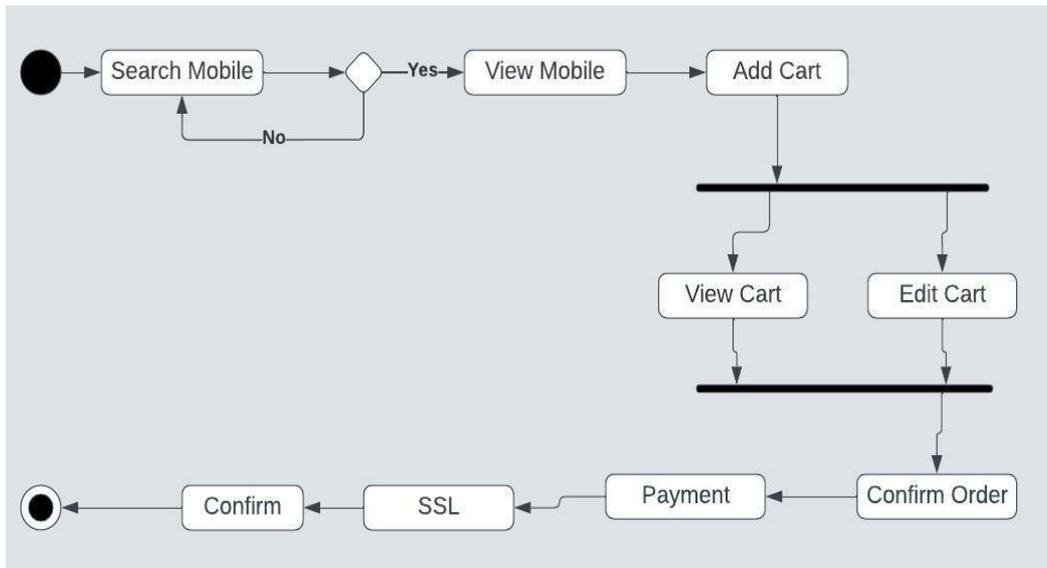


Figure 4.4: UML Activity Diagram

4.3 UML Use Case Diagram

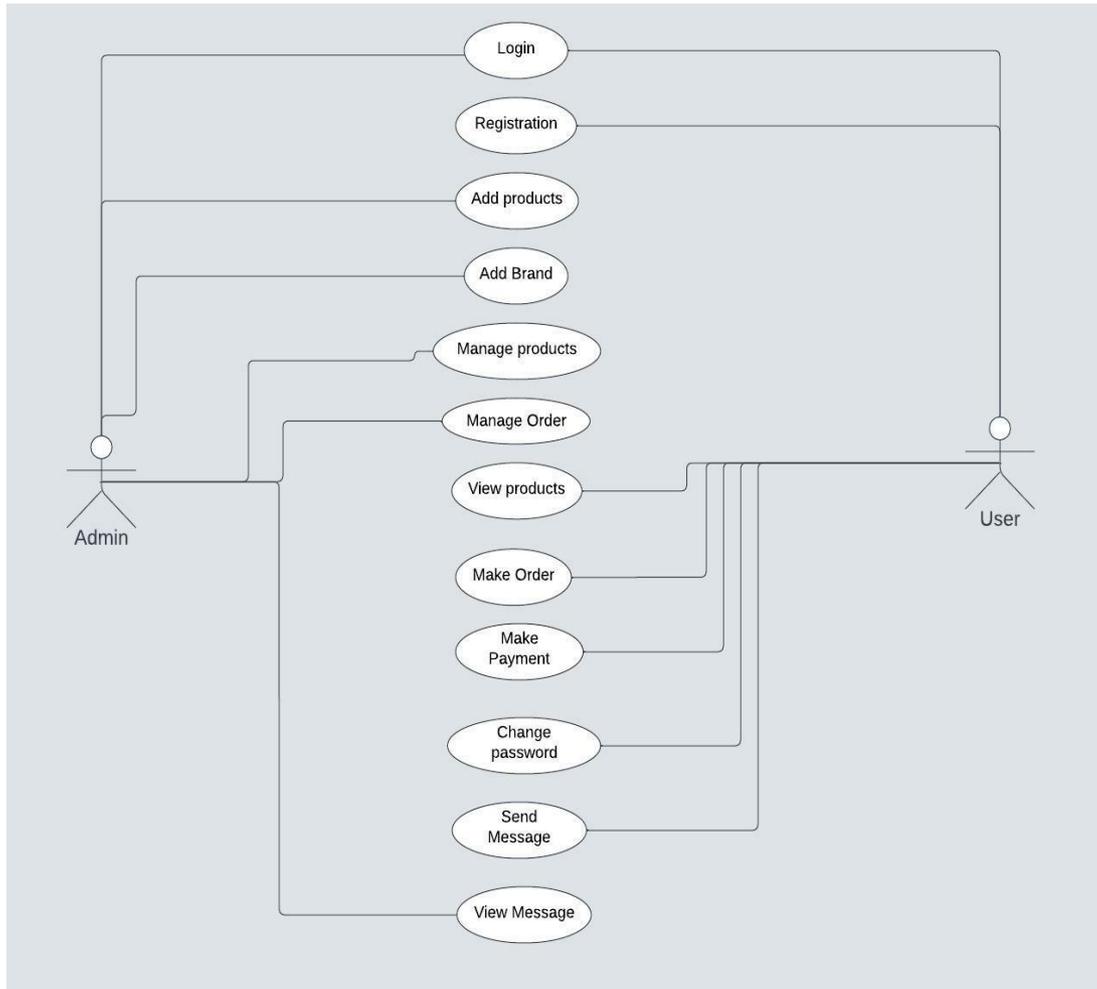


Figure 4.5: UML Use Case Diagram

4.4 Entity Relationship (ER) Diagram

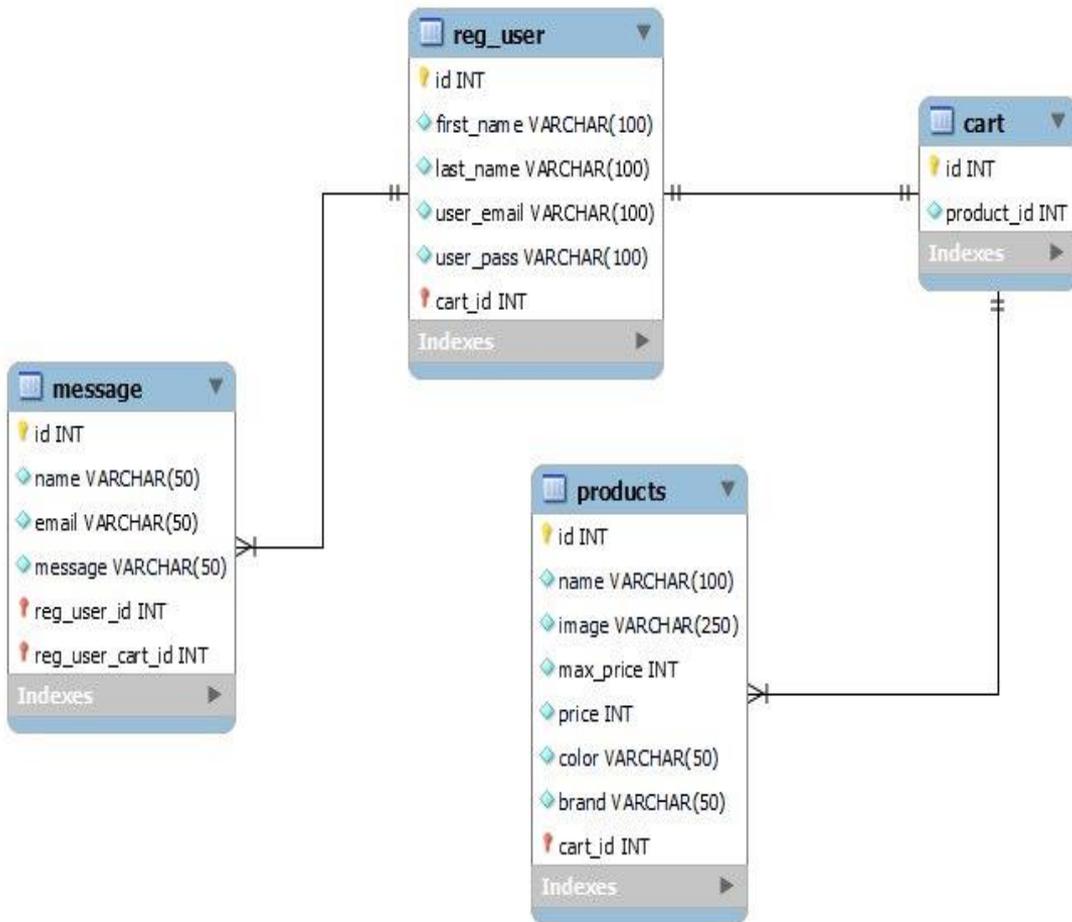


Figure 4.6: ER Diagram

CHAPTER 5

IMPLEMENTATION

To determine the success of the device, a new system may be implemented. Device implementation capabilities provide users confidence. This system has been created to handle the widest range of issues. The duties involved in the implementation system are listed below.

1. Space will be set aside for the installation of the newest technology.
2. The required hardware and software components must be set up.
3. The creation of an entire collection of documentation is desired.
4. The improved net page must have every component looked at.
5. Modified over technique must be planned.
6. . Standard apparatus must also be tested.

5.1 Index Page of My Website

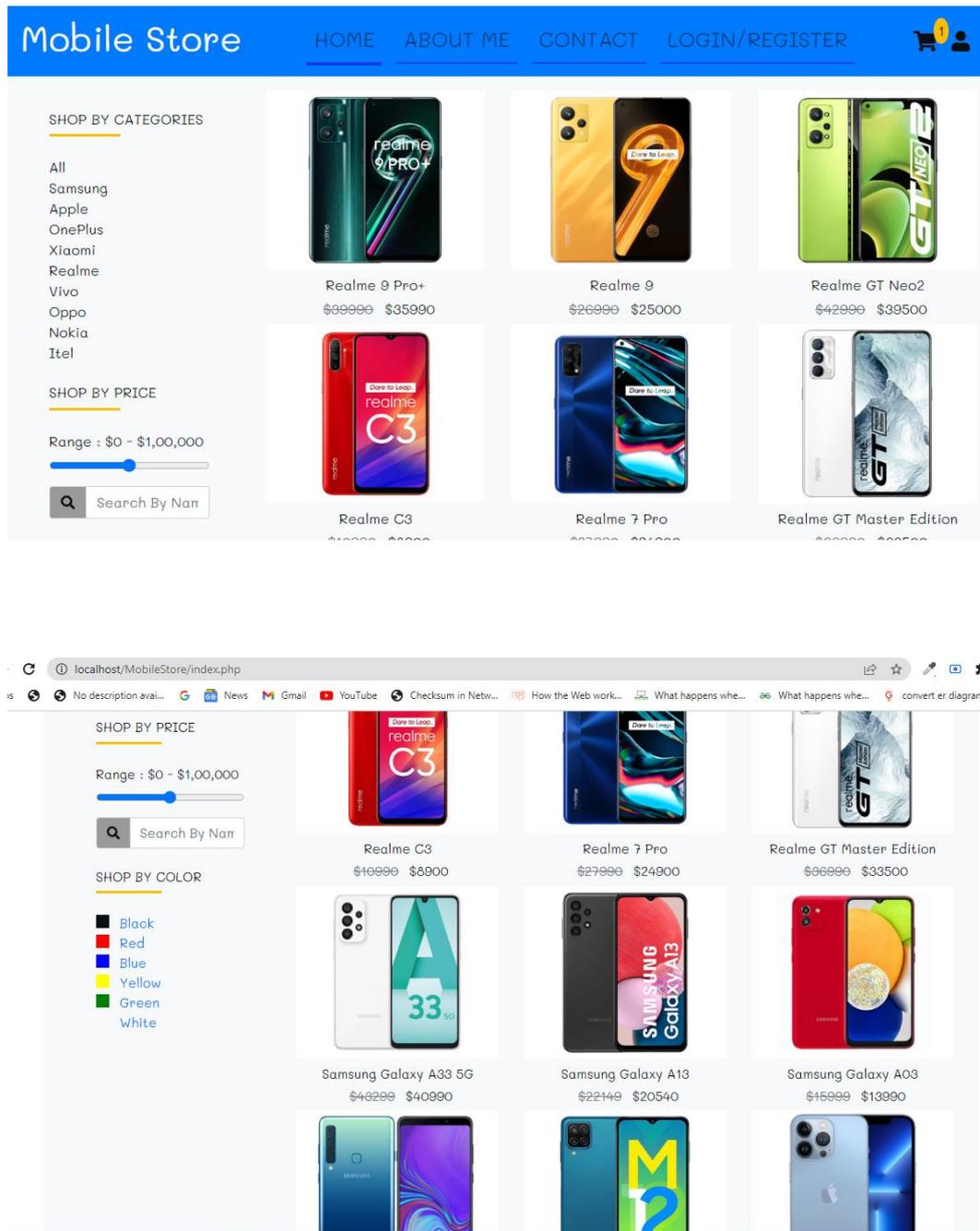


Fig 5.1: Index of Mobile Store

The visitors can learn more about the web on this page.

5.2 Registration Page Design

Sign Up

Figure 5.2: Registration Design

The visitor enters their personal information on this registration view page before pressing the register key.

5.3 Login Page Design

Sign in

Figure 5.3: Login Page Design

After registering, users can log in on this website and add mobile to their shopping.

5.4 Search by Brand Name

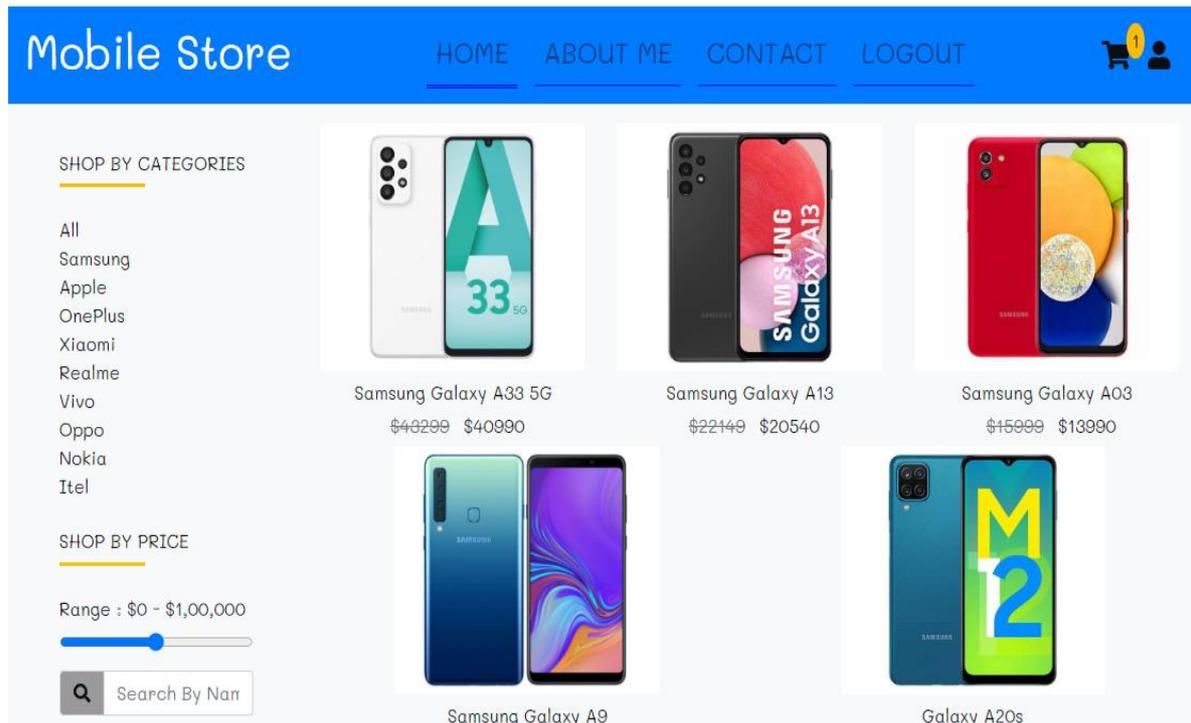


Figure 5.4: Search by Brand Name

This is the page where user can search mobile by brand name.

5.5 Search by Colors

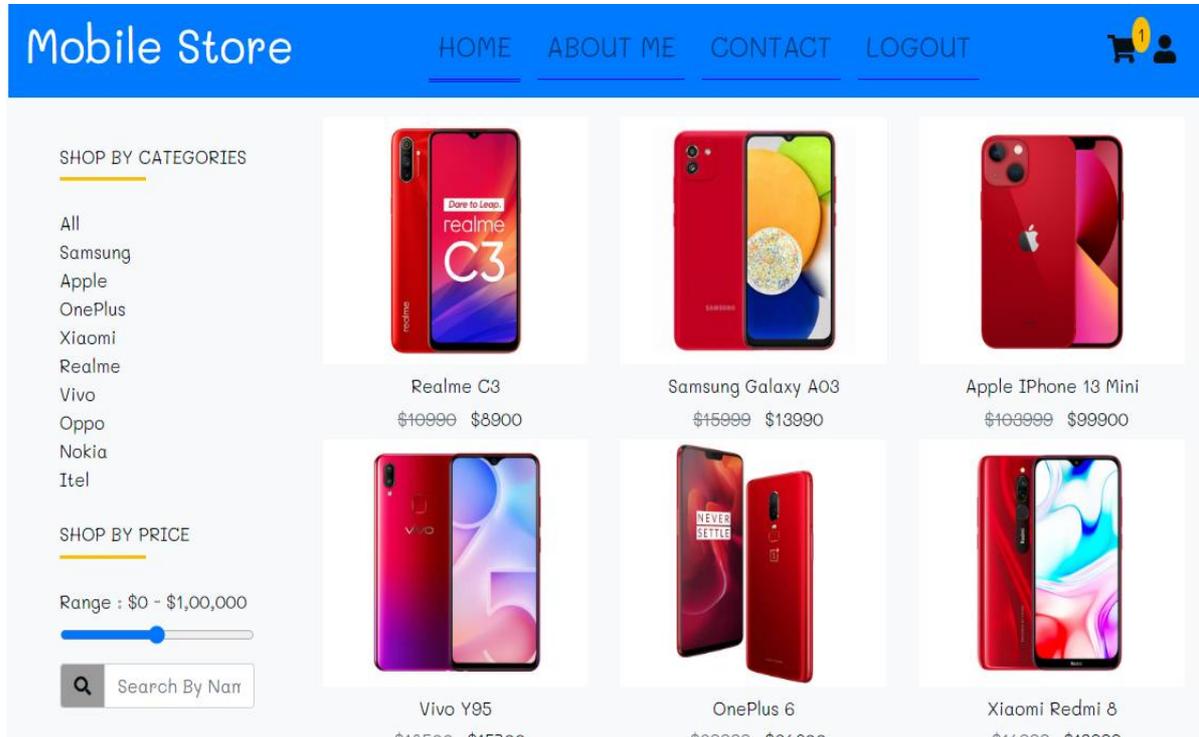


Figure 5.5: Search by Colors

The user can add their favorite mobile apps on this page.

5.6 Cart Page

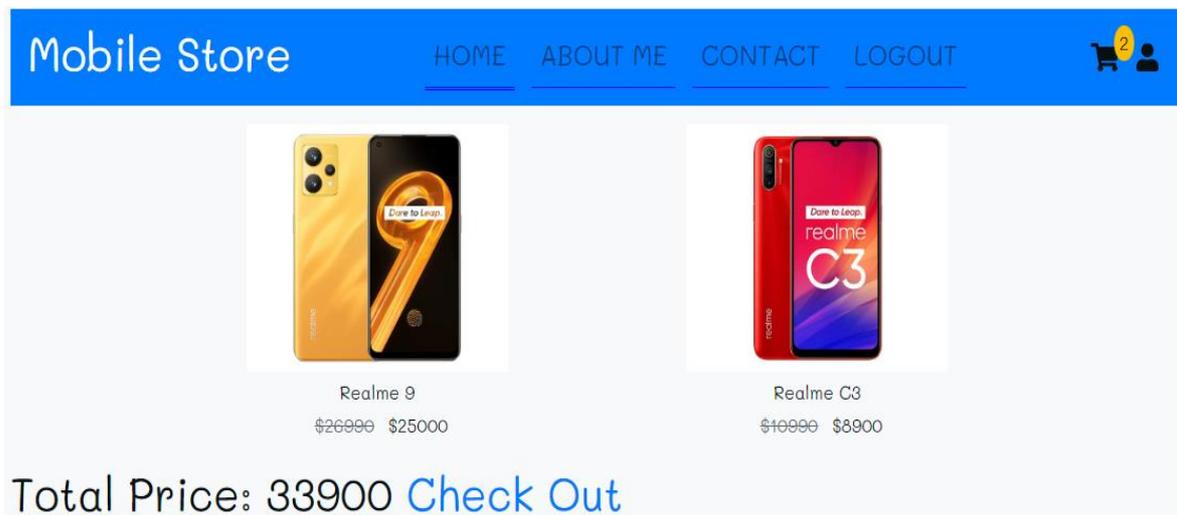


Figure 5.6: Cart Page Design

The user can add their mobile phone on this page.

5.7 Payment Page

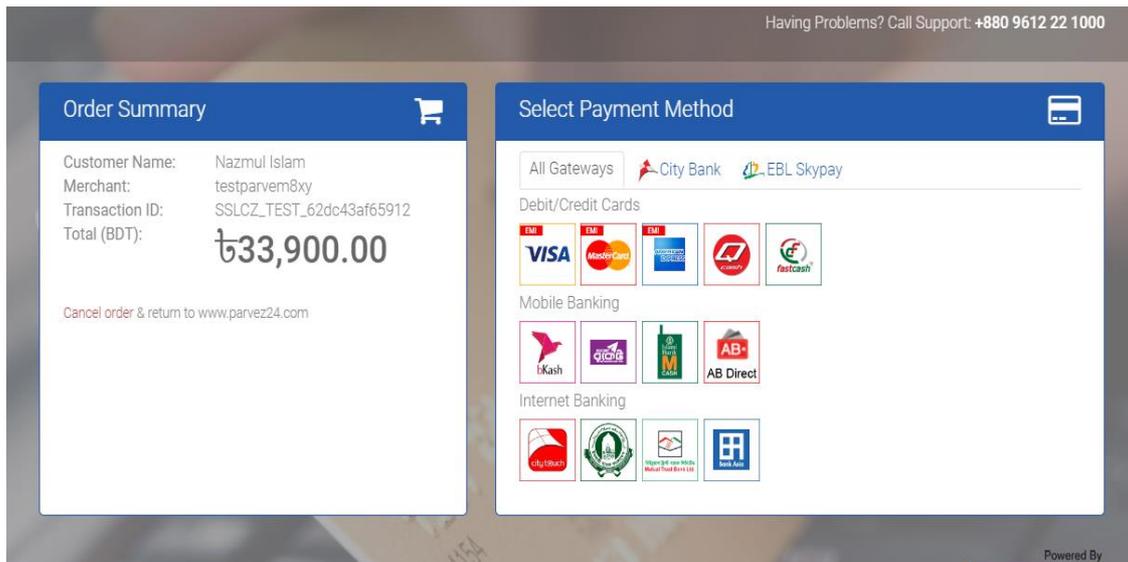


Figure 5.7: Payment Page Design

5.8 Payment Success Page

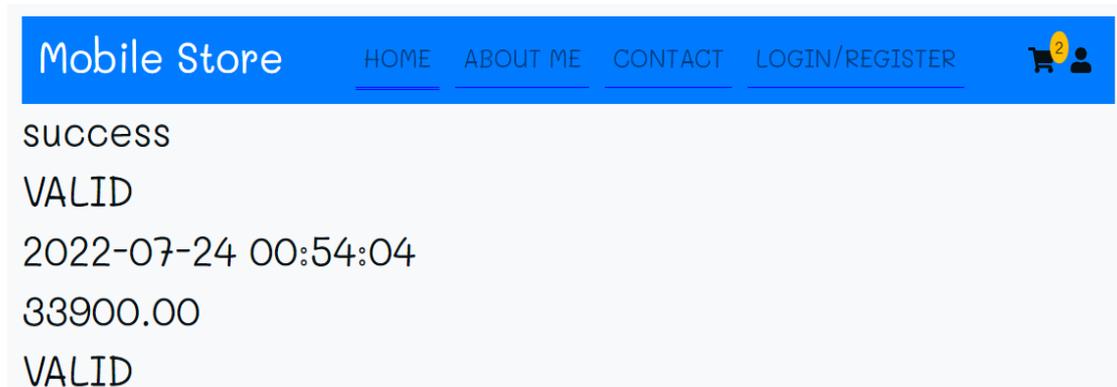
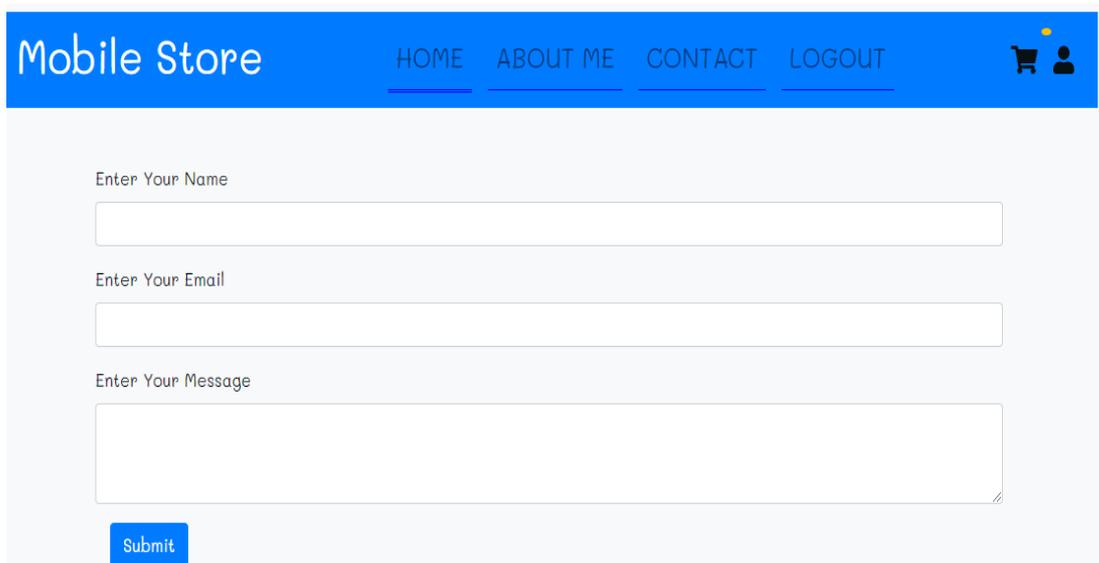


Figure 5.8: Payment Success Page Design

5.9 Contact Page



The image shows a contact page for a mobile store. At the top, there is a blue navigation bar with the text "Mobile Store" on the left and four menu items: "HOME", "ABOUT ME", "CONTACT", and "LOGOUT" in the center. On the right side of the navigation bar, there is a shopping cart icon and a user profile icon. Below the navigation bar, the page has a light gray background. It contains three input fields: "Enter Your Name" (a single-line text box), "Enter Your Email" (a single-line text box), and "Enter Your Message" (a larger multi-line text area). At the bottom left of the form, there is a blue "Submit" button.

Figure 5.9: Contact Page Design.

CHATER 6

CONCLUSION AND FUTURE SCOPE

The overall system will assist our nation in certain ways, but there are a few things to keep in mind. As we have mentioned, while the system features an audio and video communication system, ours does not. When the internet connection is cut off, the system won't resume and won't allow access to any offline data. There will be room for adding audio and video communication systems through the system as part of future enhancements. Future applications of auto backup will replace the manual design of the backup device. The staff should take precautions to keep the data safe by saving it every day after office hours since if the system crashes, all of the data will be lost. From the debate above, it is clear that even if the system will have certain drawbacks, it will ultimately help people find and purchase mobile phones. This online web system will automate their method of obtaining a mobile phone in contrast to the current approach, which mostly uses offline contacts and is a difficult and time-consuming process.

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Mobile store

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