

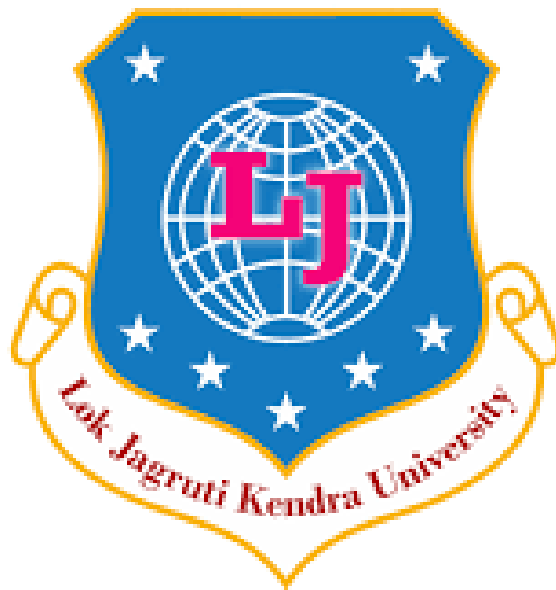


Shopify Online Shopping

LJ SCHOOL OF COMPUTER APPLICATIONS

(3rd Semester Project)

Submitted to



MASTER OF COMPUTER APPLICATION

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This is to certify that Mr. / Ms. **MANSURI AAKIB** studying in Master of Computer Applications (MCA), Semester III, has satisfactorily completed his/her Software Project Titled **SHOPIFY ONLINE SHOPPING.**

Date of Submission: 11/12/2023

Prof. Suhas Nagori
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CERTIFICATE

DIV: C ROLL NO: 51 ENROLLMENT NO.: 22002401110035

This is to certify that Mr. / Ms. **SUNSARA HAMMAD** studying in Master of Computer Applications (MCA), Semester III, has satisfactorily completed his/her Software Project Titled **SHOPIFY ONLINE SHOPPING.**

Date of Submission: 11/12/2023

Prof. Suhas Nagori
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HOD

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- Apart from the efforts of out, the success of our project depends largely on the encouragement and guidelines of many other. We take this opportunity to express our gratitude to the people who have been instrument in the success partial completion of this project.
- We are thankful to our honorable **H.O.D Dr.Bhavin Shah** who gave the opportunity to develop the project of the “Shopify Online Shopping”.
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Mr. Aakib Mansuri

Mr. Hammad Sunsara

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1. Introduction

E-commerce is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing web sites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming commonplace. The objective of this project is to develop a general purpose e-commerce store where product like clothes can be bought from the comfort of home through the Internet. However, for implementation purposes, this paper will deal with an online shopping for clothes. An online store is a virtual store on the Internet where customers can browse the catalog and select products of interest. The selected items may be collected in a shopping cart.

OVERALL DESCRIPTION

- Any member can register and view available products.
- Only registered member can purchase multiple products regardless of quantity.
- Contact us is available to contact Admin for queries using Email.
- There are three roles available: Visitor, User and Admin
- Visitor can view available products.
- User can view and purchase products.
- An Admin has some extra privilege including all privilege of visitor and user.
- Admin can add products, edit product information and add/remove product.
- Admin can add, edit Price of product.
- Admin can ship order to user based on order placed by sending confirmation mail.

1.1 Problem Definition

- Identify the need for an online Shopify store to provide customers with a convenient platform to browse and purchase footwear.
- Security is a significant concern for online shoppers, especially when it comes to making payments. Building trust and ensuring the security of customer data is crucial to the success of the project.
- Identify the issues with current offline shoes shopping
- Lack of convenience and time-consuming
- Limited variety and sizes available
- To develop a user-friendly online E-Commerce store a wide range of all products.
- Inconvenient return and exchange policies

1.2 Objective of the New System

To develop an easy to use web based interface where users can search for products, view a complete description of the products and order the products.

The objective of the new E-commerce website is to create a robust and feature-rich platform that offers a seamless shopping experience for users.

The key objectives include:

- **User-Friendly Interface:** Design an intuitive and responsive user interface that enables easy navigation and smooth browsing of products.
- **Extensive Product Catalog:** Create a vast product catalog with various categories, enabling users to find their desired products easily.
- **Personalized User Accounts:** Offer personalized user accounts with order history.
- **Improving customer Satisfaction:**
 - I. There are a few objectives that can assist with this, such as offering a good customer experience, fulfilling customer needs, and reducing complaints.
 - II. Satisfying customer needs, one objective of ecommerce, includes ensuring that the products and services provided fulfills the requirements of the customer. This can be done through making sure of accuracy in product information, providing useful guides and tutorials, and responding quickly to questions.
- **Increasing Conversion Rates:** The primary objective of ecommerce businesses is to increase the conversion rates. One way to do it is to ensure that the website has a simple, effective design, pages load quickly and it is easy to navigate, along with it a compelling content and effective marketing strategies in place.

1.3 Core Component

The E-commerce website will consist of the following core components:

- Home Page: A visually appealing home page featuring featured products, deals, and announcements.
- Product Listing Pages: Pages showcasing products in various categories with filtering and sorting options.
- Product Detail Page: Detailed product information, images, customer reviews, and related products.
- User Registration and Login: Secure user registration and login functionality with email verification.
- Shopping Cart: An interactive shopping cart that allows users to add, update, and remove items before checkout.
- Inventory Management: Admin can Manage Stock of Product. Admin can edit the Stock of Product.
- Order Management: A section for Admin can manages order. Admin can manage order status.
- Admin Panel: A back-end admin panel for managing products, inventory, orders, and user accounts.
- Search Functionality: A powerful search feature to help users find products quickly.
- CartPage: Allow users to create and manage Cart of desired products.
- Contact and Support: Customer Can Easily Contact using Email.

1.4 Project Profile

Project Title	Shopify online shopping.
Components/Modules	Admin Users
Internal Guide	Prof.SuhasNagori.
Platform	Web Application
Institute Name	LJ Institute of Computer Applications
Front-End	Html, CSS, Bootstrap
Back-End	PHP
Framework	-----
Software	Visual Studio Code, xampp.
Duration	3-month

1.5 Need of the new system

The need for the new E-commerce website arises due to the following reasons:

- Improved User Experience: Customers expect an easy-to-use and visually appealing platform to enhance their shopping experience.
- Enhanced Security: Existing E-commerce websites may have security vulnerabilities that can jeopardize user data and financial information.
- Competitive Advantage: A feature-rich and reliable E-commerce website will help gain a competitive edge in the market.
- Provide Interactive interface through which a user can interact with different areas of application easily.
- A search engine that provides an easy and convenient way to search for products specific to their needs. The search engine would list a set of products based on the search term and the user can further filter the list based on various parameters.

1.6 Scope

- The current system can be extended to allow the users to create accounts and save products in to Cart.
- The current system is confined only to the shopping cart process. It can be extended to have a easy to use check out process.
- Users can have multiple shipping and billing information saved.
- Cater to domestic and international customer

1.6 Advantages and Limitations of the Proposed System

Advantages:

- Advantage of the system is that it is very easy to Reset the Password of the user and delete, add to cart products when it found unnecessary.
- Users can order products via websites.
- Only Admin have all the rights for managing all the product rate/quantity/size etc.
- One of the biggest advantages of ecommerce to business that keep sellers interested in online selling is cost reduction.

Limitations:

- Limited Access: Since the system is not hosted on a server, it can only be accessed by those who have physical access to the computer on which it is installed. This limits access to the system.
- Offline payment is not available

1.8 Proposed Time Line Chart

TASK	August weeks				September weeks				October weeks				November weeks			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Introduction																
Problem Definition																
Objective Of The New System																
Core Components																
Project Profile																
Advantages And Limitations																
Time Line Chart																
Requirement Determination																
Requirement Specification																
Use Case Diagram																
Class Diagram																
Activity Diagram																
Data Dictionary																
User Interface Design																
Coding Standards																
Test Case																
Proposed Enhancement																
Conclusion																
Bibliography																
Project Coding																

1.9 Targeted User

- Fashion-conscious individuals
- Budget Shoppers
- Work wear Shoppers
- Parents and Guardians
- Size and Fit Concerned Shoppers
- Shoe enthusiasts and collectors
- Busy professionals seeking convenience
- International customers looking for unique Product

2. Requirement Determination & Analysis

2.1 Requirement Determination

- **Similar Application/Websites Study:**

We have analyzed different websites & understood that what we should provide in this system

- **Questionnaires:**

We have also asked some questions to our faculty members & got some information from them also.

- **Group Discussion:**

From group discussion we have finalized the modules which will be present in our system.

2.2 Requirement Specification

Functional Requirements:

Admin side:

- Admin can Login in the system using login credentials.
- Admin can manage his/her Profile like admin can View user profile.
- Admin can manage Quantity details.
- Admin can manage product's details
- Admin can manage product orders.
- Admin can manage feedbacks/Question of products Related. Admin can also reply to the feedback sender Through Email.

Users side:

- User can login in the system using login credentials.
- User can manage their profile.
- User can send feedback/Question to the admin.

Performance Requirements:

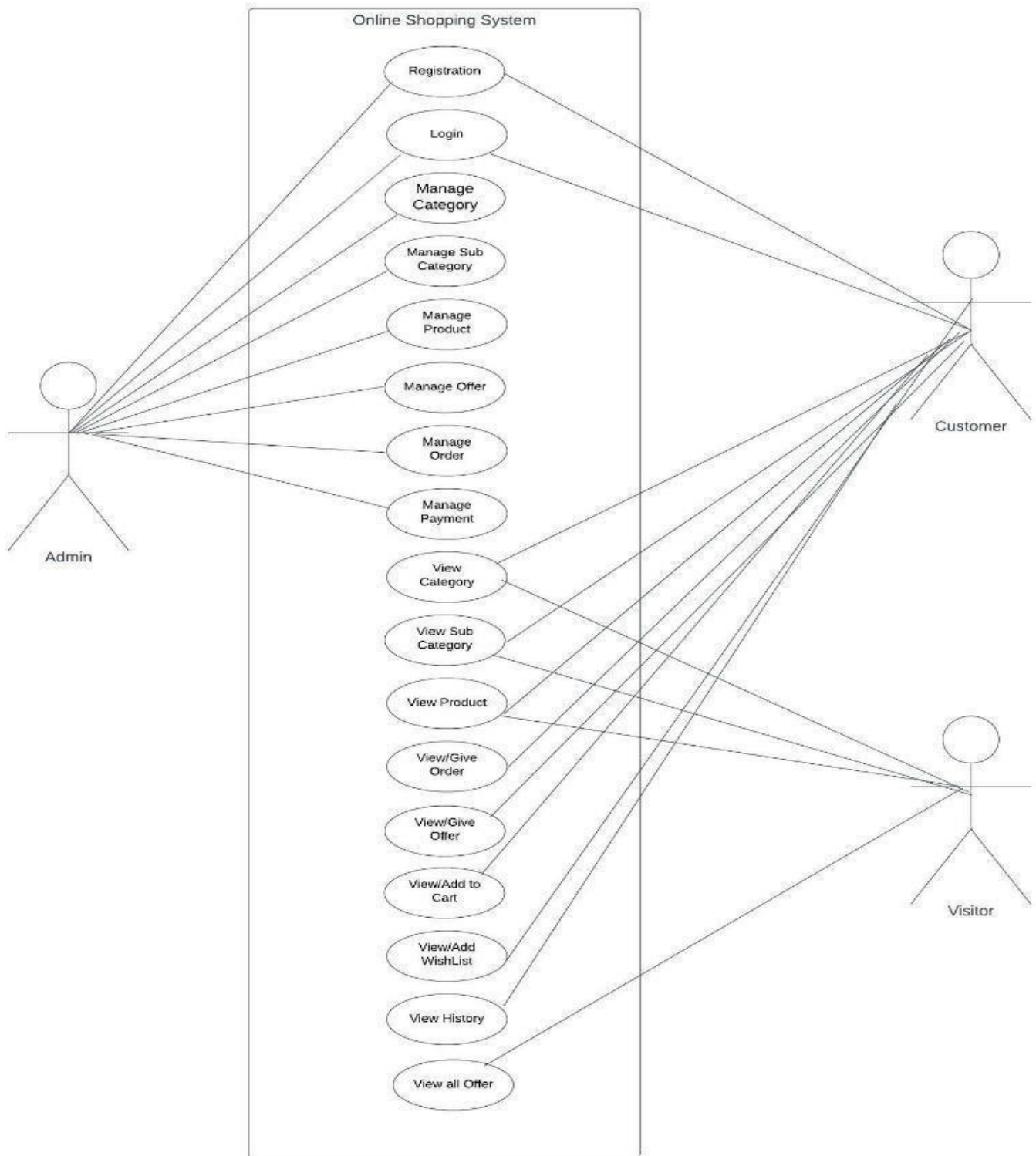
- The System must be able to perform smoothly without any interruptions.

Security Requirements:

- The entire database should have backup in case of data loss.

3. System Design

3.1 Use Case Diagram



3.2 Data Dictionary

3.2.1 Logindetails

- **Table Name:** logindetails
- **Primary Key:** UserId
- **Foreign Key:** NA
- **Description:** It will store details of login user or admin

Fieldname	Datatype	Field size	Constraint	Value
UserId	integer	5	PRIMARY KEY	1
UserName	varchar	25	NOT NULL	Hammad
//Email	Text	20	NOT NULL	hammad@gmail.com
Password	Text	20	NOT NULL	*****
UserType	Integer	1	NOT NULL	Admin/user

3.2.2 Userdetails

- **Table Name:** userdetails
- **Primary Key:** User_id
- **Foreign Key:** NA
- **Description:** It will store details of Users.

Fieldname	Datatype	Field size	Constraint	Value
user_id	integer	3	PRIMARY KEY	1
Name	varchar	25	NOT NULL	Aakib
ContactNumber	varchar	10	NOT NULL	7984654747
Email	varchar	255	NOT NULL	Xyz@gmail.com
Address	varchar	255	NOT NULL	Ahmedabad

3.2.3 Productdetails

- **Table Name:** productdetails
- **Primary Key:** product_id
- **Foreign Key:** categoryid//
- **Description:** It will store details of Product.

Fieldname	Datatype	Field size	Constraint	Value
ProductId	Integer	5	PRIMARY KEY	1
CategoryId	integer	5	NOT NULL	112
Name	varchar	25	NOT NULL	Laptop
Description	varchar	255	NOT NULL	I3 8gen
Price	double	25	NOT NULL	40500
Quantity	Integer	5	NOT NULL	03
ImageUrl	varchar	200	NOT NULL	Laptop1.jpg

3.2.4 salesorder

- **Table Name:** Orders
- **Primary Key:** Order_id
- **Foreign Key:** NA
- **Description:** It will store details of sales order

Fieldname	Datatype	Field size	Constraint	Value
Order_id	Integer	5	PRIMARY KEY	1
DateTime	Date	-	NOT NULL	02-12-2022
Amount	Double	-	NOT NULL	50000
BillStatus	Varchar	25	NOT NULL	Pending
OrderStatus	Varchar	25	NOT NULL	Generated

3.2.5 salesorderdetails

- **Table Name:** salesorderdetails
- **Primary Key:** order_id,ProductId
- **Foreign Key:** NA
- **Description:** It will store details of Shipping

Fieldname	Datatype	Field size	Constraint	Value
OrderId	Integer	5	PRIMARY KEY	1
ProductId	Integer	5	NOT NULL	002
Size	Integer	5	NOT NULL	001
Quantity	Int	5	NOT NULL	002
Amount	Double	-	NOT NULL	7984654746

3.2.6 CartDetails

- **Table Name:** CartDetails
- **Primary Key:** User_id
- **Foreign Key:** NA
- **Description:** It will store details of cart page of user.

Fieldname	Datatype	Field size	Constraint	Value
Userid	Integer	11	PRIMARY KEY	1
Productid	Integer	11	NOT NULL	40
Quantity	Integer	11	NOT NULL	2
Amount	Double		NOT NULL	12500.00

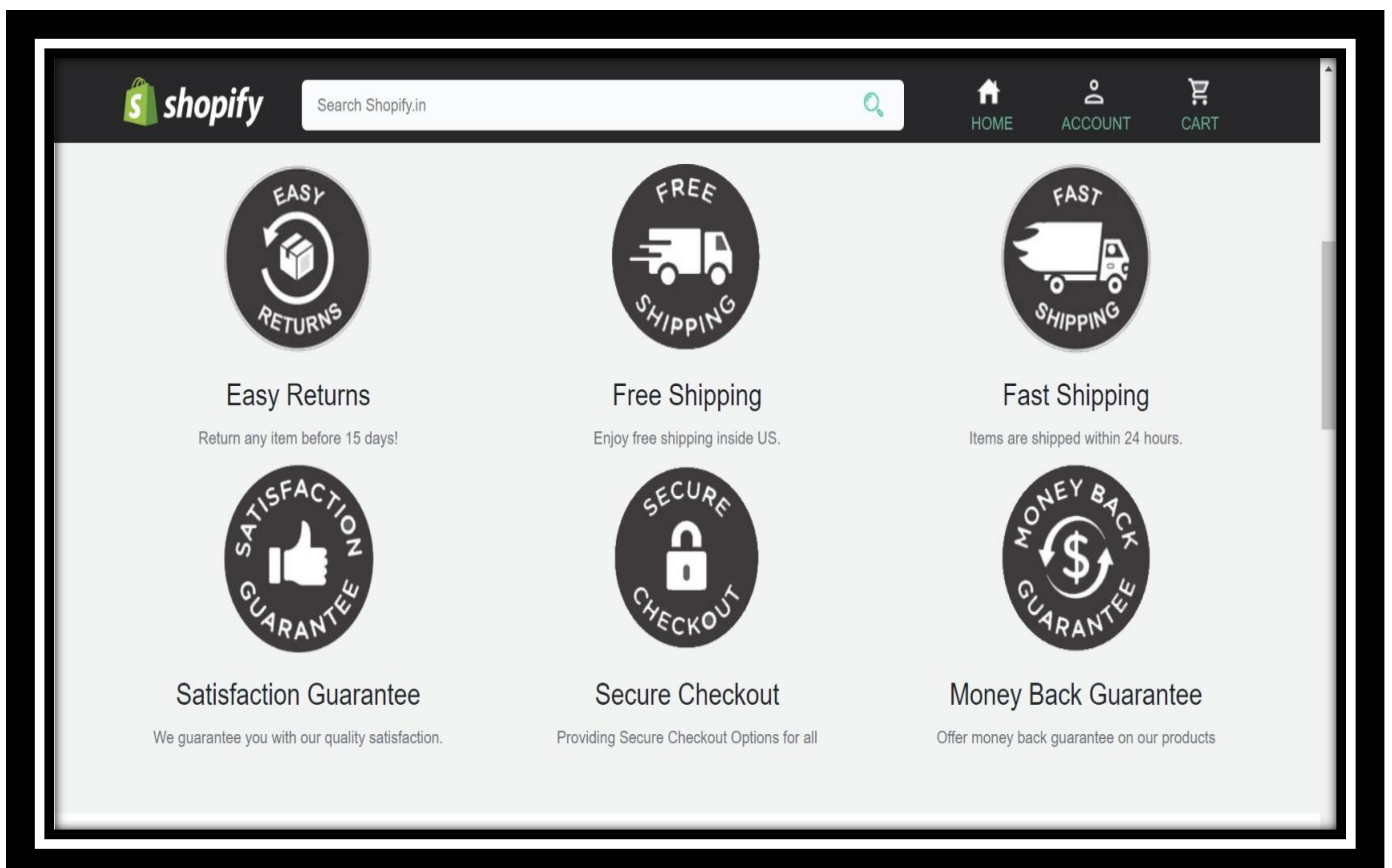
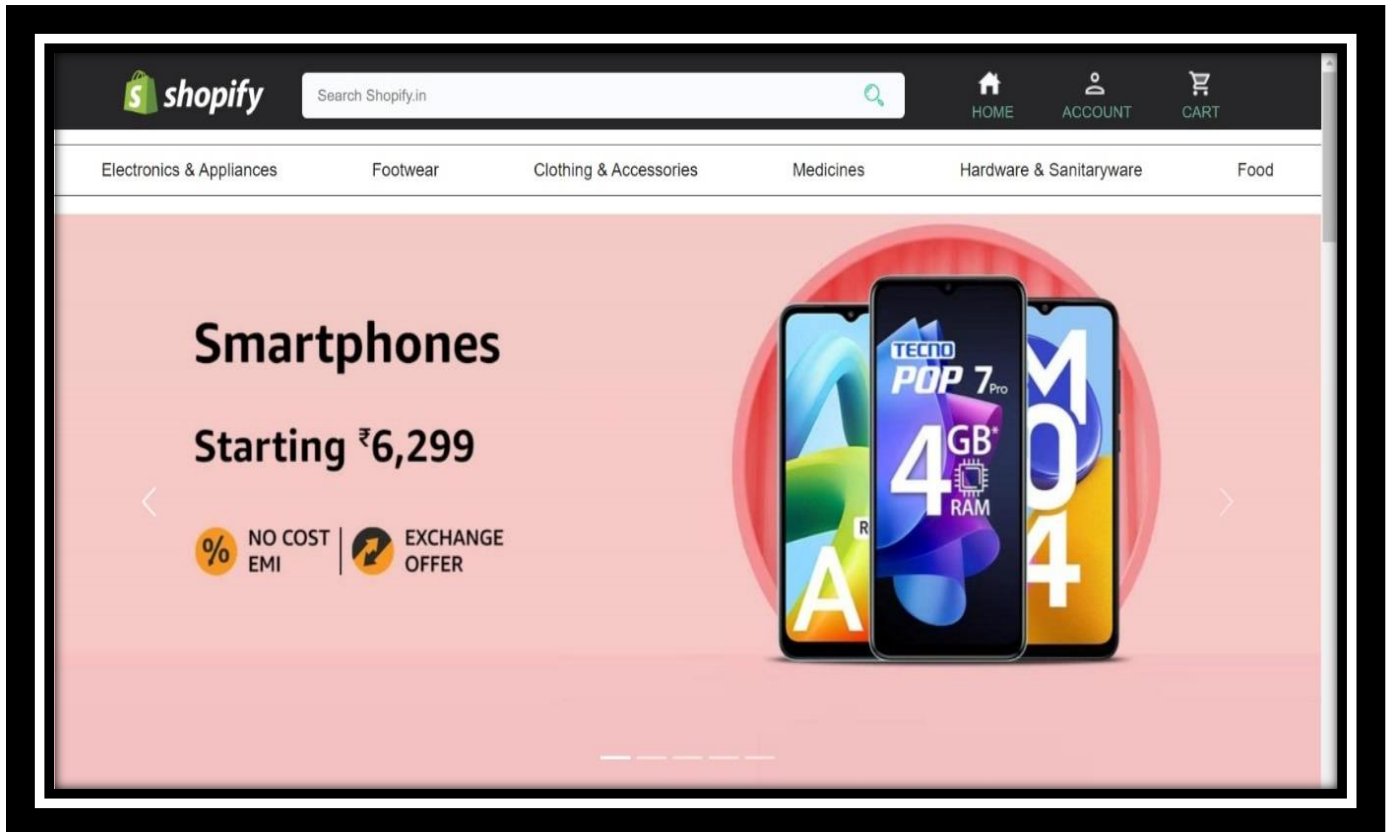
3.2.7 categorydetails

- **Table Name:** categorydetails
- **Primary Key:**CategoryId
- **Foreign Key:** NA
- **Description:** It will store details of Category of product

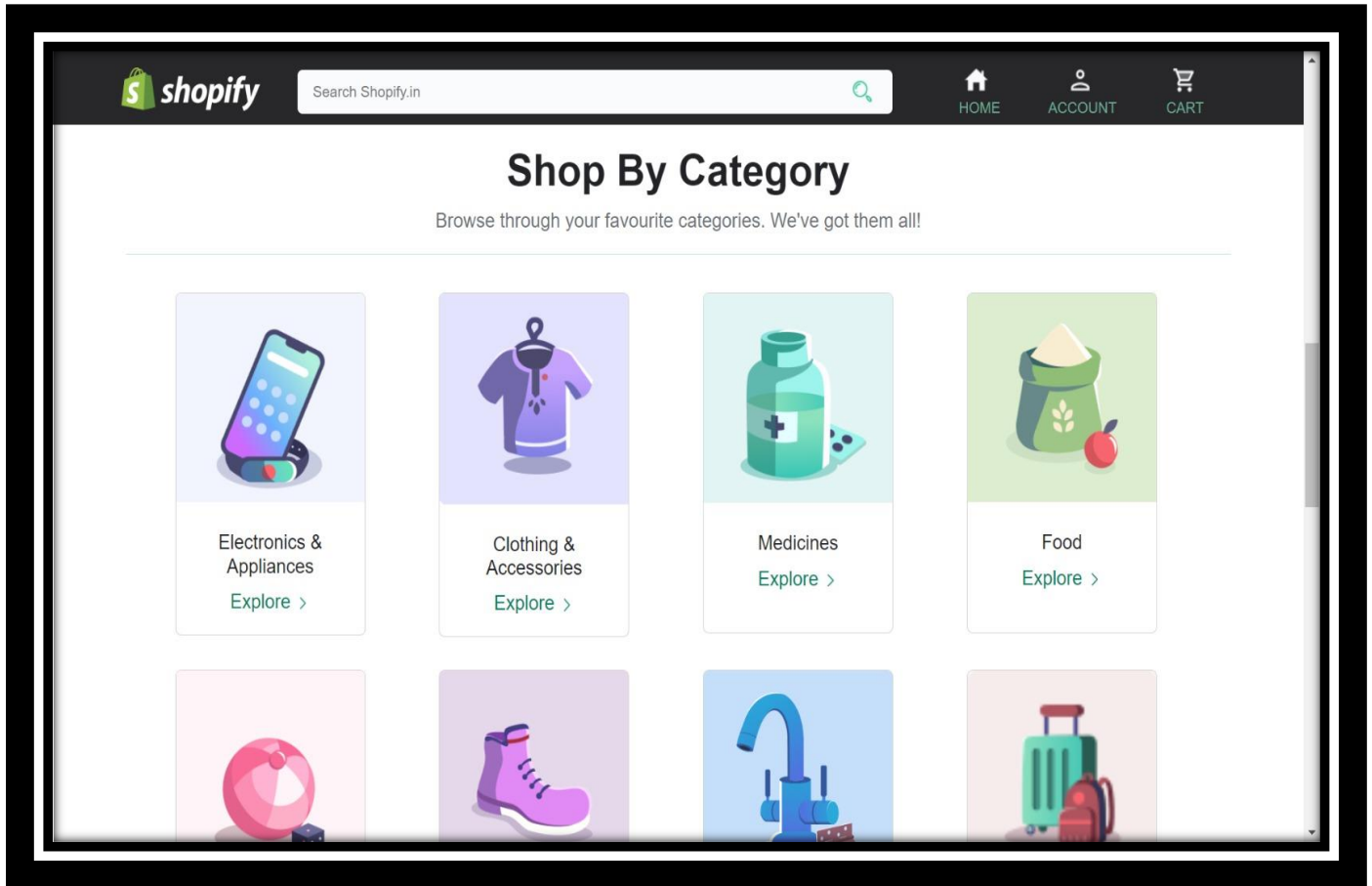
Fieldname	Datatype	Field size	Constraint	Value
CategoryId	Integer	5	PRIMARY KEY	1
Name	Varchar	5	NOT NULL	Electronics
SubCategory	Varchar	255	NOT NULL	Smartphone

3.3 User Interface Design

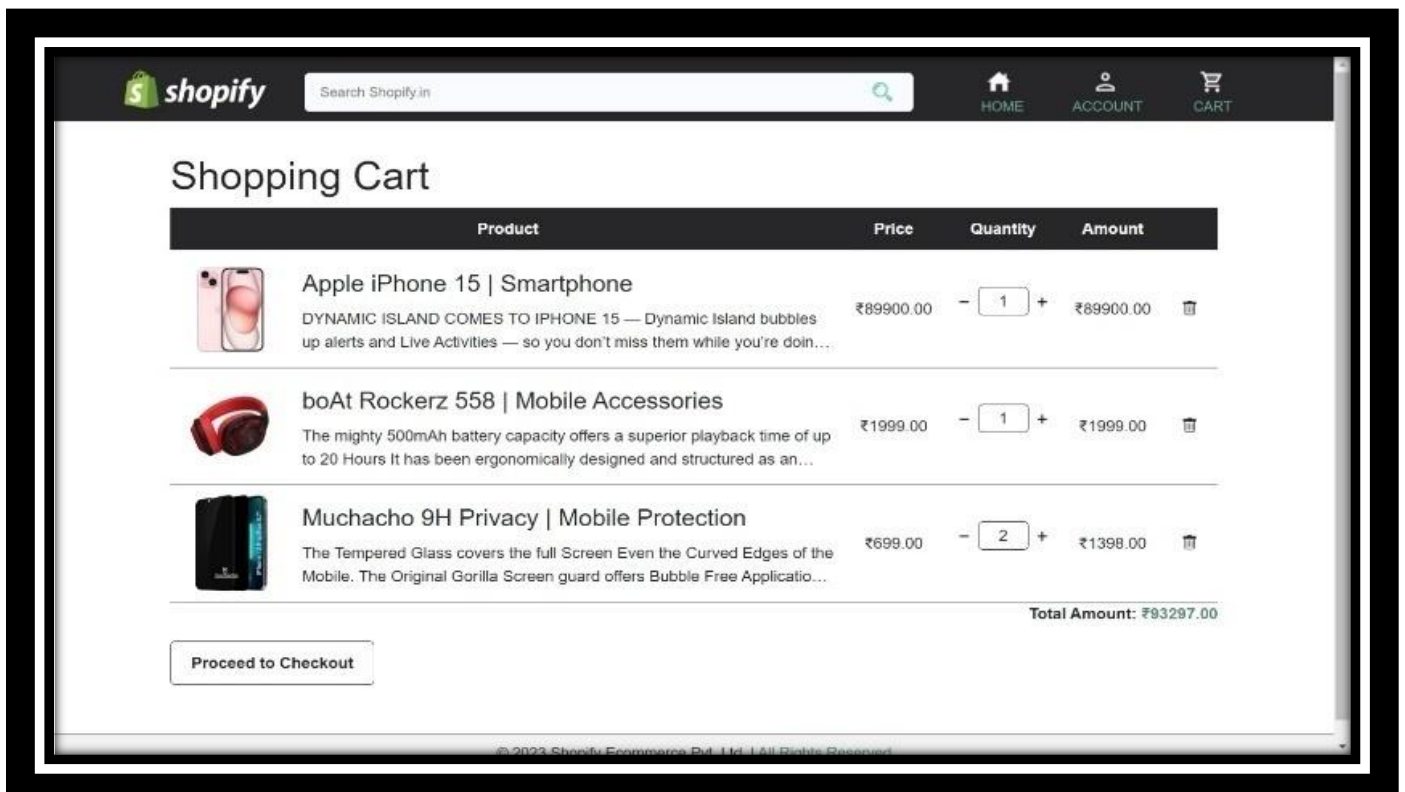
3.3.1 Home Page



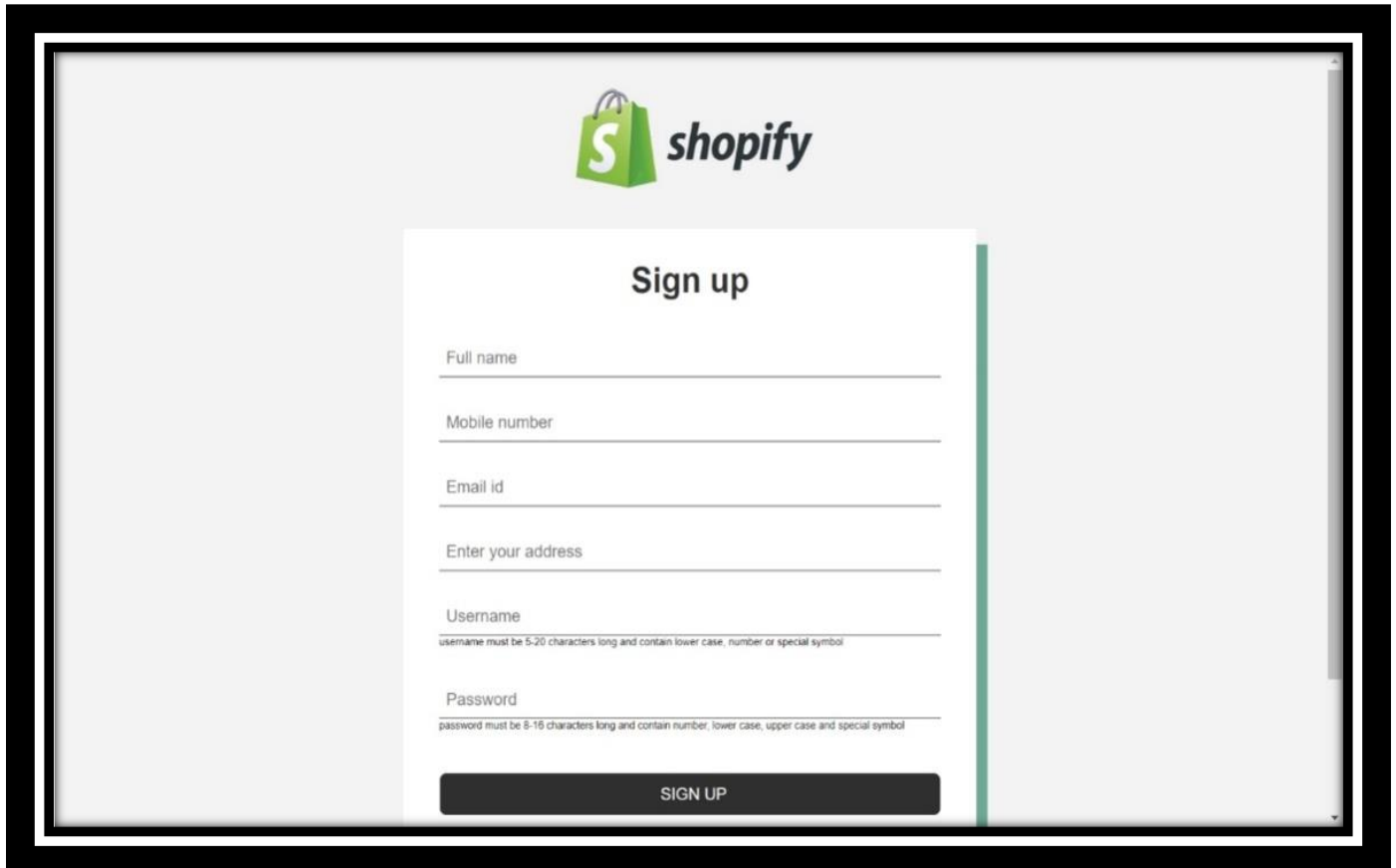
3.3.2 Category Page



3.3.3 Cart Page



3.3.4 Signup/Login page



The image shows a screenshot of the Shopify sign-up page. At the top, the Shopify logo is displayed. Below it, the heading "Sign up" is centered. The form contains several input fields: "Full name", "Mobile number", "Email id", "Enter your address", "Username", and "Password". Each field has a horizontal line for text entry. Below the "Username" field, there is a small note: "username must be 5-20 characters long and contain lower case, number or special symbol". Similarly, below the "Password" field, there is a note: "password must be 8-16 characters long and contain number, lower case, upper case and special symbol". At the bottom of the form, there is a dark button labeled "SIGN UP".

Sign up

Full name

Mobile number

Email id

Enter your address

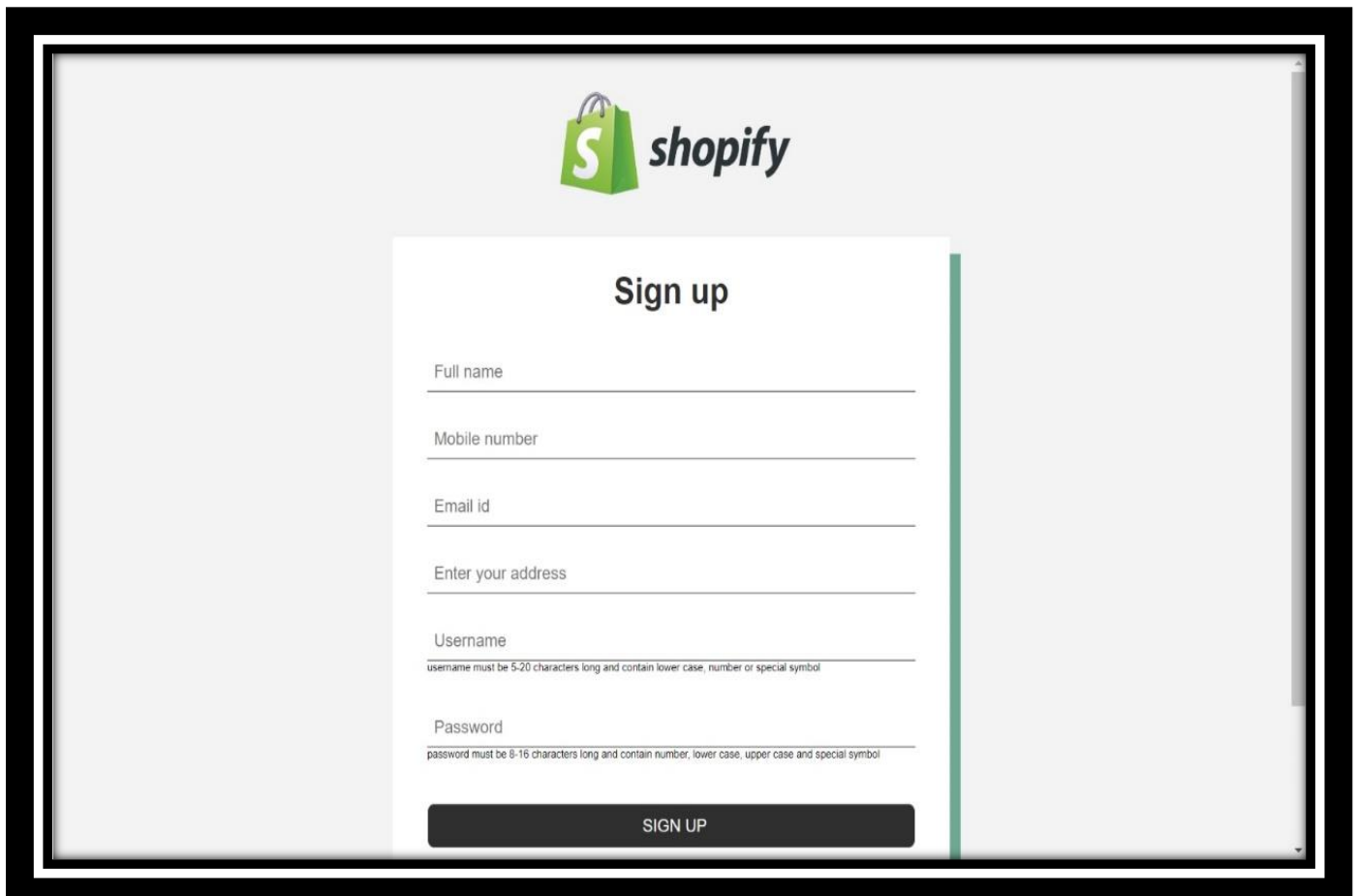
Username

username must be 5-20 characters long and contain lower case, number or special symbol

Password

password must be 8-16 characters long and contain number, lower case, upper case and special symbol

SIGN UP



This is an identical duplicate of the form shown above, featuring the Shopify logo, a "Sign up" heading, and input fields for full name, mobile number, email id, address, username, and password, with a "SIGN UP" button at the bottom.

Sign up

Full name

Mobile number

Email id

Enter your address

Username

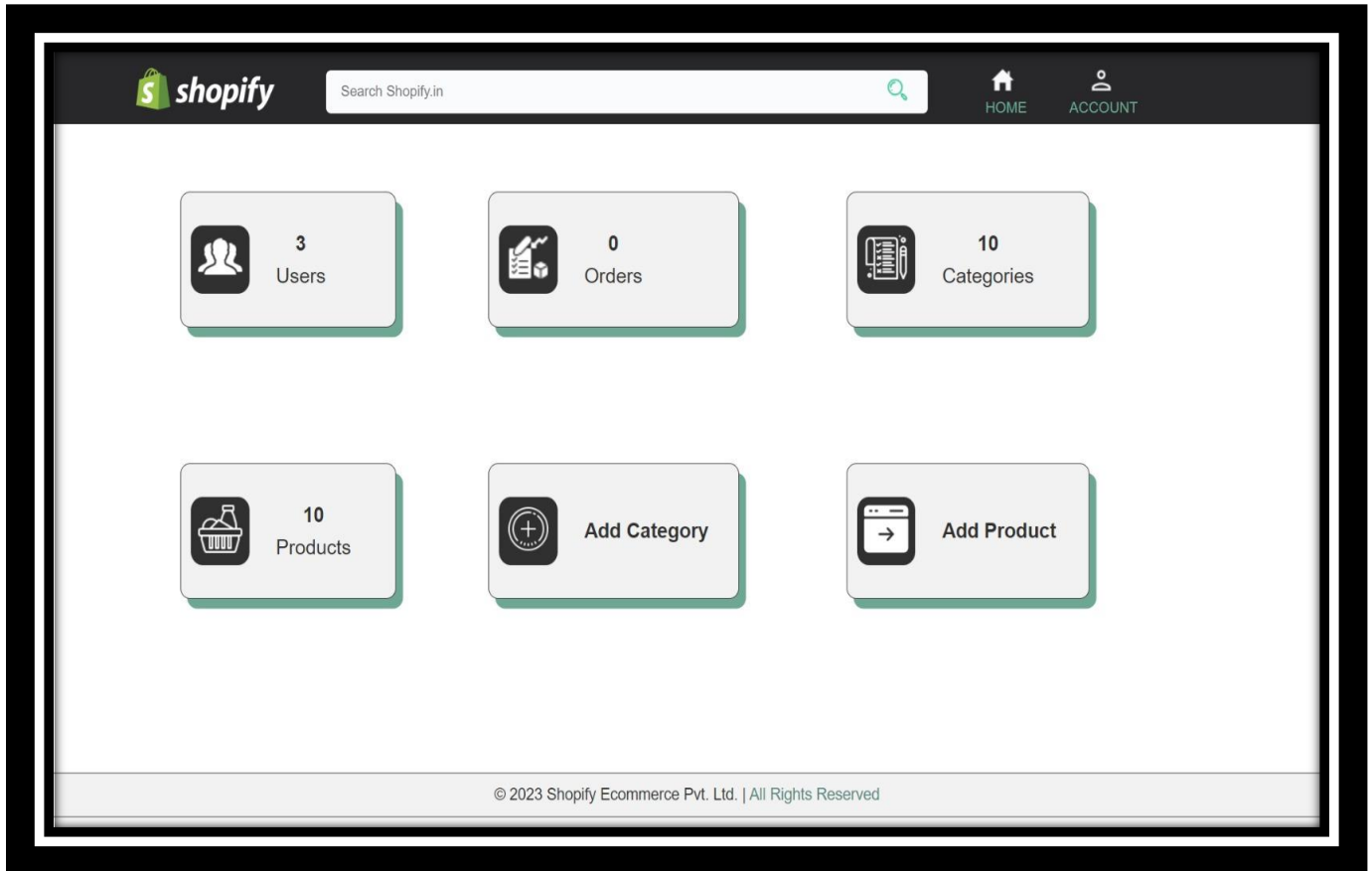
username must be 5-20 characters long and contain lower case, number or special symbol


Password


password must be 8-16 characters long and contain number, lower case, upper case and special symbol


SIGN UP


3.3.5 Admin Side



shopify



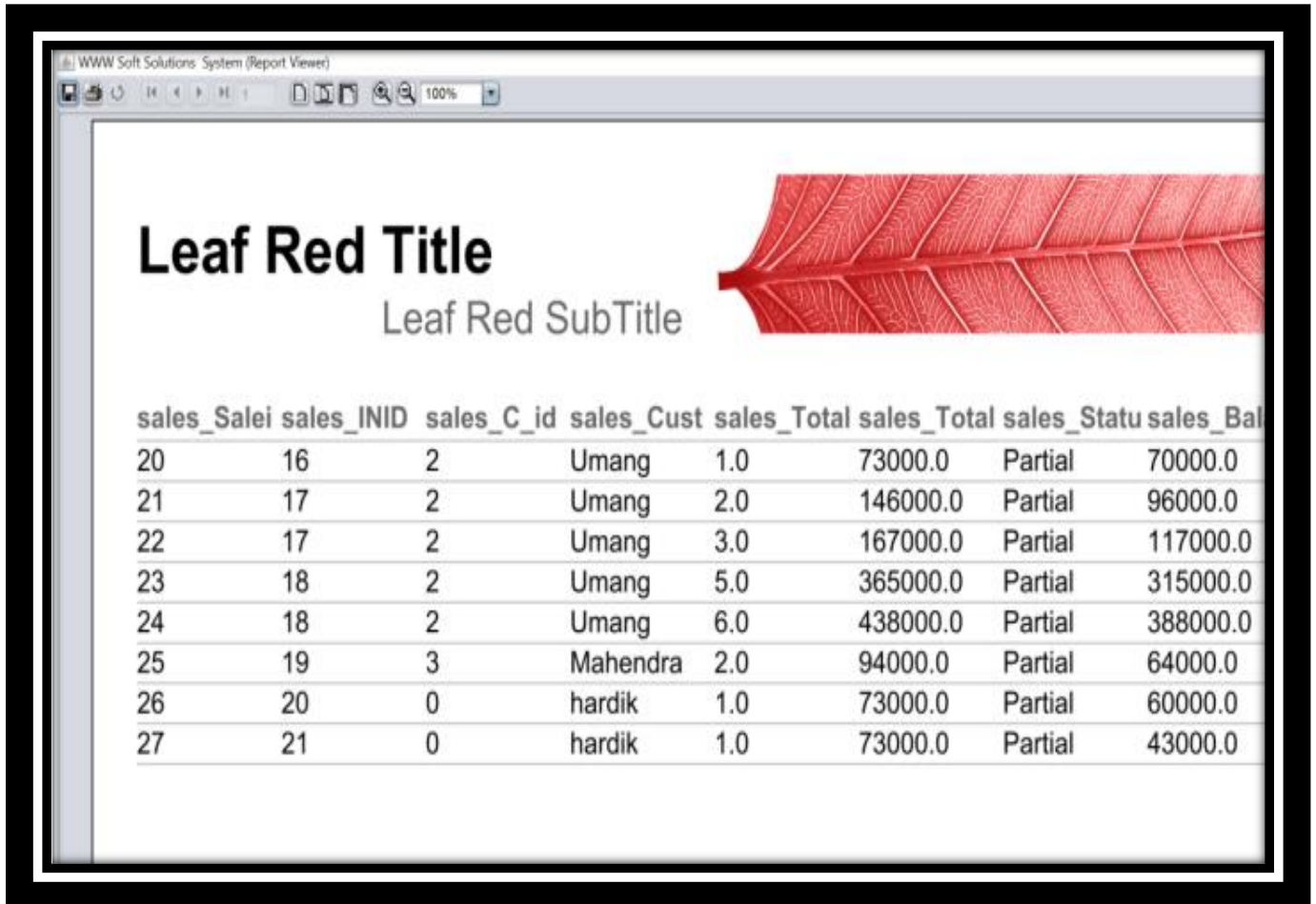
HOME

ACCOUNT

Product list

Product Id	Name	Price	Qty	Status
9	Realme 11 Pro+	29869	25	Live
10	Vector X Ranger Tennis	869	10	Live
14	Apple iPhone 15	89900	25	Live
15	Samsung Galaxy S23	134999	25	Live
Category	Description	Sub Category	Edit Option	Delete Option
Electronics & Appliances	200MP. Wow-worthy resolution - Resolution on the Wide-angle Camera has nearly doubled, delivering strikingly clear photos. Low light. Camera. Action - A Pro-grade Camera grabs brighter photos and video, dusk to dawn.	Smartphone	Edit	Delete
16	Apple Watch Ultra	82999	15	Live
17	boAt Rockerz 558	1999	10	Live
18	Amazon Basics Earbuds	849	25	Live

3.3.6 IR Report



WWW Soft Solutions System (Report Viewer)

Leaf Red Title
Leaf Red SubTitle

sales_Salei	sales_INID	sales_C_id	sales_Cust	sales_Total	sales_Total	sales_Statu	sales_Bal
20	16	2	Umang	1.0	73000.0	Partial	70000.0
21	17	2	Umang	2.0	146000.0	Partial	96000.0
22	17	2	Umang	3.0	167000.0	Partial	117000.0
23	18	2	Umang	5.0	365000.0	Partial	315000.0
24	18	2	Umang	6.0	438000.0	Partial	388000.0
25	19	3	Mahendra	2.0	94000.0	Partial	64000.0
26	20	0	hardik	1.0	73000.0	Partial	60000.0
27	21	0	hardik	1.0	73000.0	Partial	43000.0

4. Developments

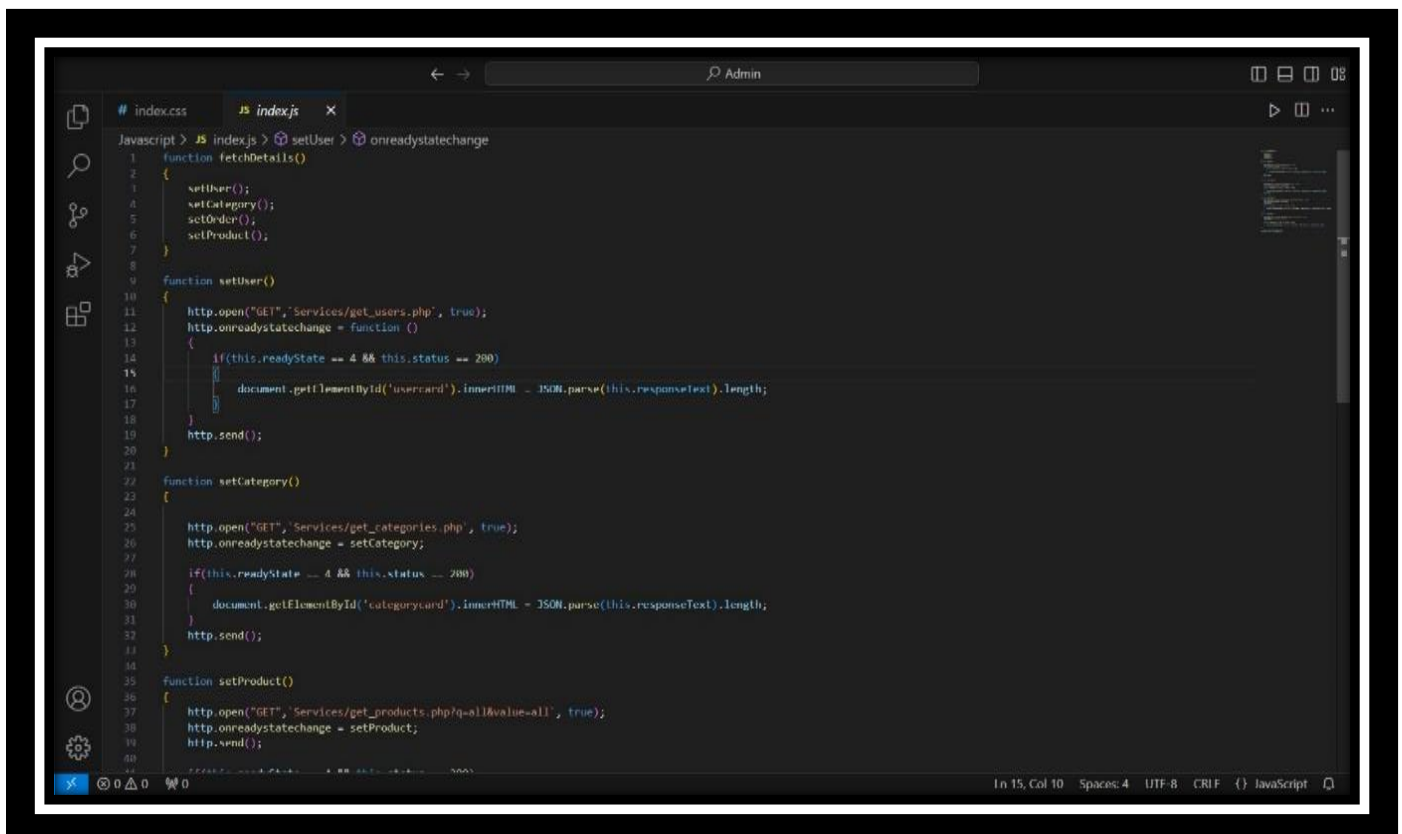
4.1 Coding Standards

Indentation:

- We have given proper indentation in our code so if any other developer reads our code then they can easily understand the code.

Naming Conventions:

- We have used underscores to separate words of filename. So, it can be easily readable.
- We have used camel Case format for writing file/object/function names.



5. Testing

5.1 Test Cases

5.1.1 Login Case

No	Test case	Action	Expected Result	Actual Result	Status
1	User Login with correct email id or goggle Login	Select correct email from screen	User should be able to successfully login and access the website	Login is successful and the user is able to access the website	Pass
2	User Login with incorrect email id	Select incorrect email from screen	User should not be able to successfully login and access the website	Login is not successful and the user is not able to access the website	Pass

5.1.2 Order Product Case

No	Test case	Action	Expected Result	Actual Result	Status
1	Order	Fill all the field with correct information	User should be able to purchase product	User should be able to purchase product	Pass
2	Order	Not Fill all the field with correct information	User should not be able to purchase product	User should not be able to purchase product	Pass
3	Order	Submit blank form	User should not be able to purchase product	User should not be able to purchase product	Pass

6. Proposed Enhancement

- We will add 30min delivery option in this system. So, customer can quickly get order.
- We will add a feature like If any festival offer comes then send the automatically to the user.
- We will add feature like If user use more our website and purchase order then he/she will get more offer's and Lucky draw etc...
- We will add recommend system for user. So they can buy easily.

7. Conclusion

- We have taken enough care to make the project user friendly and more interactive.
- This system will make Student Information Management an easier job for the administrator of any organization.
- This system will help in accessing any student's information anytime and can be kept safely for long period of the time without any damage.

8 Bibliography

- www.Google.com
- www.w3Schools.com
- www.nodejs.com
- www.Youtube.com
- www.tutorialspoint.com

Thank You