# CHAPTER1

## INTRODUCTION

### 1.1 Introduction to project

This is the web application named PHARMA+ (e-commerce website) developed using technologies -

HTML&CSS , Bootstrap , JS(JavaScript) in the front end and java, spring, spring boot int the middle wear & MySQL database as the backend. The application mainly has two modules Admin and Customer. Admin can perform all the CRUD operations such as insert product, update product, delete product, view all products, view all customers. When it comes to customer module, customer can view all the products which they want to purchase and also they can add the products, view the cart and they can even delete it if needed. After adding the products to cart, customer can do the payment and the bill will be generated also the customer can print the bill if needed. But to perform all these operations the customer should compulsorily login.

### 1.2 Project analysis

This application consists of following modules:

1. Admin module
2. Customer module

### Admin Module

Admin can access dashboard after logging in and perform operations such as adding the product , updating the product & deleting the product. In product it will have name , category , brand , price, image , quantity. Admin can view all the registered customers and also the session is validated i.e., admin should compulsorily login to use features/dashboard.

### Customer Module

Customer can view product without Creating any account. Suppose if he wants to purchase anything that is, if he clicks on add to cart it, will ask him to login first. To login he must create an account. By entering details Such as, name, mobile number, e-mail address, password, address. Once signed up, he Can The login using e-mail id and password. The email & password will be validated in the backend and authorize Customer to use. Customer can now add an item to cart, remove an item from the cart and place order. After placing order, he can select any of the payment option and place the order. A bill will be generated and the customer can print if it is needed.

# CHAPTER2

## LITRATURE SURVEY

**INTRODUCTION TO SPRING TOOL SUITE**

Spring Tool Suite, also known as STS, is a Java IDE designed to develop Spring-based enterprise applications. It is a faster, easy, and more convenient IDE for people who are working only with Spring. This tool was developed by VMWare and it is based on the Eclipse IDE and is open source. [You can download and install STS from the official website1.](https://examples.javacodegeeks.com/download-and-install-spring-tool-suite/) Once you have installed STS, you can import a Spring guide and start building your application. [You can also use STS to build one of the Getting Started guides](https://spring.io/guides/gs/sts/)

**2.1 What is Spring Tool Suite?**

Spring Tool Suite, also known as STS, is a Java IDE designed to develop Spring-based enterprise applications. For people who are working only with Spring it is a faster, easy, and more convenient IDE. This tool was developed by VMWare and it is based on the Eclipse IDE and is open source. Spring Tool Suite 4 is the favourite IDE and the next generation of Spring tooling. You can use this tool in various coding environments starting with Eclipse as a full featured integrated development environment to Visual Studio Code and Theia. Therefore you can use your preferred environment by adding the great Spring tooling to it.

This will provide the following great feature:

* Easy to start a new project. A direct and easy to use of the Spring Initializer with a guide that will help you to start from nothing to a running Spring-Boot app.
* Navigate through your spring code easily. You can navigate through your code easily. Spring tool understands your Spring-based source code and allows you to quickly get an overview and navigate to the important pieces of your Spring apps.
* Easily update your code. Offers the code completion feature for Spring elements in your app.
* Runtime information in your editor. Spring Tool 4 offers the feature to show detailed information for the running app like exact bean wiring, conditional reports, configuration, and many more.

### 2.2 INTRODUCTION TO SPRING

Spring is a popular Java-based framework used for building web applications. It is an opensource framework that provides a comprehensive programming and configuration model for modern Java-based enterprise applications. Spring is designed to address many of the challenges faced by developers when building enterprise-level applications. It provides a wide range of features, including dependency injection, aspect-oriented programming, and support for transaction management. Spring also provides integration with other popular frameworks such as Hibernate and Struts.

**Some benefits of using Spring are:**

* [Comprehensive infrastructure support for developing Java-based applications.](https://www.onlinetutorialspoint.com/spring/advantages-of-spring-framework.html)
* [High performing, reusable, easily testable, and loose coupling enterprise Java application.](https://www.onlinetutorialspoint.com/spring/advantages-of-spring-framework.html)
* [Light-weight framework that minimally invasive development with POJO.](https://www.javatpoint.com/java-spring-pros-and-cons)
* [Flexible libraries trusted by developers all over the world4.](https://spring.io/why-spring/)
* [Loose coupling of Spring applications because of dependency injection.](https://www.onlinetutorialspoint.com/spring/advantages-of-spring-framework.html)
* [Powerful abstraction to JEE specifications such as JMS, JDBC, JPA, and JTA1.](https://www.onlinetutorialspoint.com/spring/advantages-of-spring-framework.html)
* [Organized in a modular fashion1.](https://www.onlinetutorialspoint.com/spring/advantages-of-spring-framework.html)
* [Makes use of existing technologies like several ORM frameworks, logging frameworks, JEE, Quartz and JDK timers, and other view technologies1.](https://www.onlinetutorialspoint.com/spring/advantages-of-spring-framework.html)
* [Fast startup, fast shutdown, and optimized execution by default4.](https://spring.io/why-spring/)
* [Increasingly supports the reactive (nonblocking) programming model for even greater efficiency.](https://spring.io/why-spring/)
* [Developer productivity is Spring’s superpower](https://spring.io/why-spring/)

**Key Strategies of Spring:**

1. Spring is a light weight framework and It minimally invasive development with POJO.
2. Spring achieves the loose coupling through dependency injection and [interface based programming.](https://en.wikipedia.org/wiki/Interface-based_programming)
3. Spring supports declarative programming through aspects and common conventions.
4. [Boilerplate reduction t](https://en.wikipedia.org/wiki/Boilerplate_code)hrough aspects and templates.

Above are the 4 key strategies of spring framework simplifies the development of Java enterprise application.

**Advantages of Spring Framework:**

The Spring framework addresses most of the infrastructure functionalities of the Enterprise applications. Following are the few major advantages of Spring Framework.

1. Spring enables the developers to develop enterprise applications using POJOs (Plain Old Java Object). The benefit of developing the applications using POJO is, that we do not need to have an enterprise container such as an application server but we have the option of using a robust servlet container.
2. Spring provides an abstraction layer on existing technologies like servlets, jsps, jdbc, jndi, rmi, jms and Java mail etc., to simplify the development process.
3. Spring comes with some of the existing technologies like ORM framework, logging framework, J2EE and JDK Timers etc, Hence we don’t need to integrate explicitly those technologies.
4. Spring WEB framework has a well-designed web MVC framework, which provides a great alternate to lagacy web framework.
5. Spring can eliminate the creation of the singleton and factory classes.
6. Spring provides a consistent transaction management interface that can scale down to a local transaction and scale up to global transactions (using JTA).

### 2.3 INTRODUCTION TO HTML & CSS

**HTML:**

HTML stands for HyperText Markup Language. It is used to design web pages using a markup language. HTML is a combination of Hypertext and Markup language. Hypertext defines the link between web pages. A markup language is used to define the text document within the tag which defines the structure of web pages. This language is used to annotate (make notes for the computer) text so that a machine can understand it and manipulate text accordingly. Most markup languages (e.g. HTML) are human-readable. The language uses tags to define what manipulation has to be done on the text.

**Some of its features are:**

* It is easy to learn and use.
* It is platform-independent.
* Images, videos, and audio can be added to a web page.
* Hypertext can be added to the text.
* [It provides a flexible way to design web pages along with the tex](https://www.geeksforgeeks.org/html-introduction/)[t12.](https://www.javatpoint.com/what-is-html)
* HTML elements are defined by their opening and closing tags and can be nested within other elements. [Web developers use elements to structure a web page into sections, headings, and other content blocks3.](https://www.codecademy.com/resources/blog/what-is-html/)
* HTML allows us to add stylistic elements (like colors) to a webpage. [Together with CSS and JavaScript, these three languages form the foundation of web development](https://www.codecademy.com/resources/blog/what-is-html/)

**CSS:**

CSS stands for Cascading Style Sheets. It is a style sheet language used for describing the presentation of a document written in HTML or XML. CSS is used to style web pages and make them look more visually appealing. It allows you to add colors, fonts, and other design elements to your web pages. CSS is used to separate the content of a web page from its presentation, making it easier to maintain and update the site. CSS is also used to create responsive designs that can adapt to different screen sizes and devices.

**Some features of CSS are:**

* It allows you to create a consistent look and feel across multiple pages on a website.
* It provides a way to create reusable styles that can be applied to multiple elements on a page.
* It allows you to create complex layouts using grids and flexboxes.
* It provides a way to create animations and transitions that can make your website more engaging.
* It allows you to create responsive designs that can adapt to different screen sizes and devices.
* It provides a way to optimize your website for search engines by using semantic markup.

### INTRODUCTION TO JAVA SCRIPT

JavaScript (js) is a light-weight object-oriented programming language which is used by several websites for scripting the webpages. It is an interpreted, full-fledged programming language that enables dynamic interactivity on websites when applied to an HTML document. It was introduced in the year 1995 for adding programs to the webpages in the Netscape Navigator browser. Since then, it has been adopted by all other graphical web browsers. With JavaScript, users can build modern web applications to interact directly without reloading the page every time. The traditional website uses js to provide several forms of interactivity and simplicity.

### INTRODUCTION TO BOOTSTRAP

Bootstrap is a popular HTML, CSS, and JS library used to build responsive, mobile-first websites. [It is a free front-end framework for faster and easier web development](https://getbootstrap.com/)[. Bootstrap includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugins.](https://www.w3schools.com/bootstrap/bootstrap_get_started.asp)

* Bootstrap is a free front-end framework for faster and easier web development
* Bootstrap includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugins
* Bootstrap also gives you the ability to easily create responsive designs

### 2.4 INTRODUCTION TO MySQL

* MySQL is a popular open-source database management system.
* It is used for storing and organizing data.
* It is known for its fast performance, reliability, and ease of use.
* MySQL is based on the Structured Query Language (SQL).
* It can be used to create and modify databases, tables, and other database objects.
* It can be used to insert, query, and update data.
* MySQL can be used to manage users and privileges.
* It is flexible and can be used on a variety of platforms and with a range of programming languages.
* MySQL offers optional add-ons and tools for backup, recovery, performance tuning, and security.
* MySQL is a database system used for developing web-based software applications.
* MySQL is used for both small and large applications.
* MySQL is a relational database management system **(RDBMS).**
* MySQL is presently developed, distributed, and supported by Oracle Corporation.
* MySQL is written in the C programming language.

**Main Features Of MySQL:**

* MySQL server design is multi-layered with independent modules.
* MySQL is fully multithreaded by using kernel threads. It can handle multiple CPUs if they are available.
* MySQL provides transactional and non-transactional storage engines.
* MySQL has a high-speed thread-based memory allocation system.
* MySQL supports in-memory heap table.
* MySQL can handle large databases.
* MySQL Server works in client/server or embedded systems.
* MySQL Works on many different platforms

# CHAPTER3

**SYSTEM REQUIREMENTS**

**3.1 Hardware and Software Requirements:**

* **Hardware Requirements**

|  |  |
| --- | --- |
| **Hardware** | **Specification** |
| **Processor** | INTEL CORE i3 |
| **Hard Disk** | 500 GB |
| **Ram** | 4.0GB |

* **Software Requirement**

|  |  |
| --- | --- |
| **Purpose** | **Tools & Technology** |
| **Frontend** | HTML&CSS, JAVASCRIPT, BOOTSTRAP |
| **Backend** | JAVA, MySQL, Spring, Spring  Boot |

# CHAPTER4

## SYSTEM STUDY

### 4.1 Existing system

The existing system of Pharmacy e-commerce website is a web application that allows users to browse, search, and purchase medicines online. The web application is developed using PHP , HTML, CSS, and JavaScript. The web application uses a MySQL database to store medicine information, user details, order history, and payment transactions.

The existing system has some limitations, such as:

* The web application does not have a user-friendly interface.
* The web application does not have good interface which attracts the customers.
* The web application does not have a secure login and registration system for users.
* The web application does not have options to view shopping cart and deleting products in cart.
* The web application does not have cash on delivery option.
* The web application does not have printing bill option.

### Proposed System

The proposed system of Pharmacy e-commerce website is a web application that aims to overcome the limitations of the existing system and provide a better online shopping experience for users. The web application will be developed using HTML&CSS, Bootstrap, JavaScript in front-end and Java, Spring, Spring Boot in middle wear and MySQL database as backend. The proposed system will have the following features:

* The web application will have a user-friendly interface.
* The web application will have good interface that attracts the customer.
* The web application will have a secure login and registration system for users.
* The web application will have options to view shopping cart and also remove the products functionality.
* The web application will have cash on delivery option.
* The web application will have printing bill option.

### 4.2 Feasibility study

For the purpose of well coordinate maintains of tool, we have collected the necessary information about tool id, tool name, material type, price, quantity, usage of respective tool. This made them manually and arrange them according to various streams. If any corrections or modification is required that is to be also done through manually.

### 4.3 Technical feasibility

This assessment is based on an outline design of system requirements, to determine whether the company has the technical expertise to handle completion of the project. At this level, the concern is whether the proposal is both technically and legally feasible. The technical feasibility assessment is focused on gaining an understanding of the present technical resources of the organization and their applicability to the expected needs of the proposed system. It is an evaluation of the hardware and software and how it meets the need of the proposed system.

### 4.4 Economic feasibility

The purpose of the economic feasibility assessment is to determine the positive economic benefits to the organization that the proposed system will provide. It includes identification of all the benefits expected. This assessment typically involves a cost/ benefits analysis.

### 4.5 Legal feasibility

Determines whether the proposed system conflicts with legal requirements, e.g. a data processing system must compile with the local data protection regulations and if the proposed venture is acceptable.

### 4.6 Operational Feasibility

Operational feasibility is a measure of how well a proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development. To ensure success, desired operational outcomes must be imparted during design and development. These include such design-dependent parameters such as reliability, maintainability, supportability, usability, disposability, sustainability, affordability and others. These parameters are required to be considered at the early stages of design if desired operational behaviours are to be realized.

### 4.7 Schedule Feasibility

A project will fail if it takes too long to be completed before it is useful. Typically this means estimating how long the system will take to develop, and if it can be completed in a given time period using some methods like payback period. Schedule feasibility is a measure of how reasonable the project timetable is given.

### 4.8 SYSTEM DESIGN

**4.8.1 DATA FLOW DIAGRAM [DFD]:**

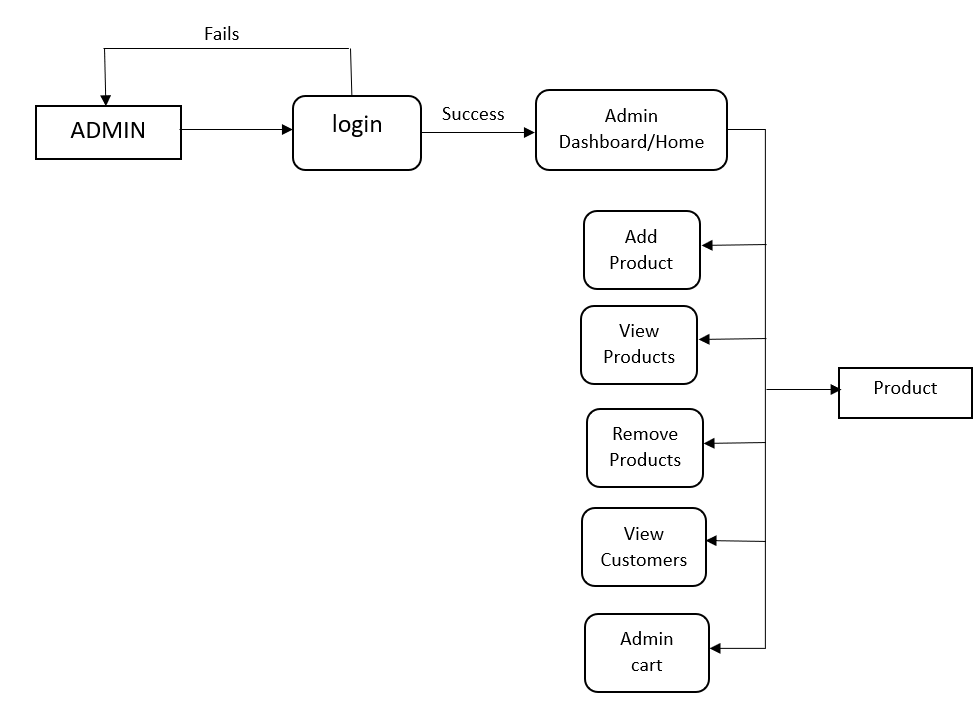
A data flow diagram (DFD) is a graphical or visual representation using a standardized set of symbols and notations to describe a business's operations through data movement. They are often elements of a formal methodology such as the Structured Systems Analysis and Design Method [(SSADM).](https://www.techtarget.com/searchsoftwarequality/definition/SSADM)

**Advantages of DFD:**

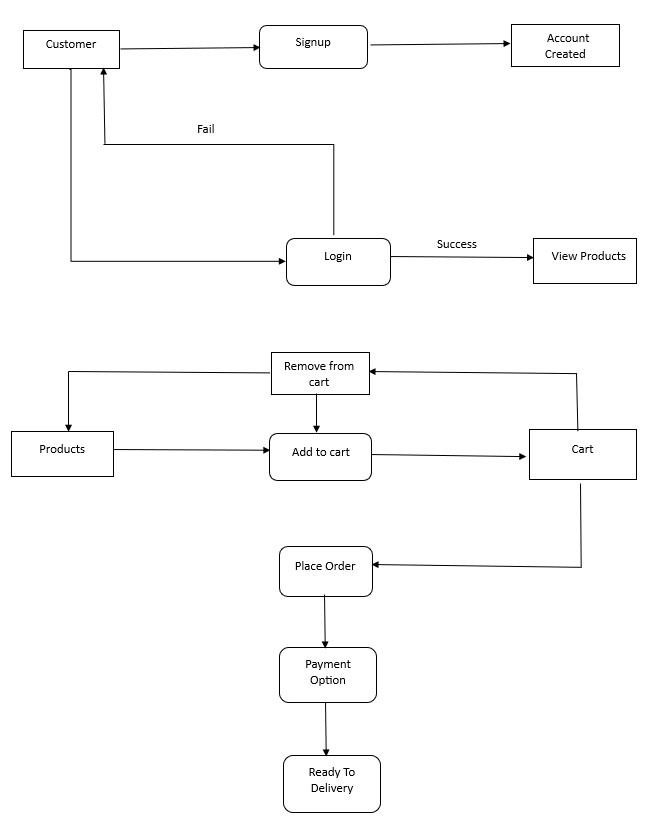
* It helps us to understand the functioning and the limits of a system.
* It is a graphical representation that is very easy to understand as it helps visualize contents.
* Data Flow Diagram represent detailed and well-explained diagram of system components. ● It is used as the part of system documentation file.
* Data Flow Diagrams can be understood by both technical and nontechnical person because they are very easy to understand

**Disadvantages of DFD:**

* At times DFD can confuse the programmers regarding the system.
* Data Flow Diagram takes long time to be generated, and many times due to these reasons analysts are denied permission to work on its design.

**Admin: **

**Customer:**



### 4.8.2 E-R Diagram

An Entity-Relationship model (ER Model) describes the structure of a database with the help of a diagram, which is known as ENTITY RELATIONSHIP DIAGRAM (ER Diagram). An ER model is a design or blueprint of a database that can later be implemented as a database. The main components of E-R model are: Entity set and Relationship set.

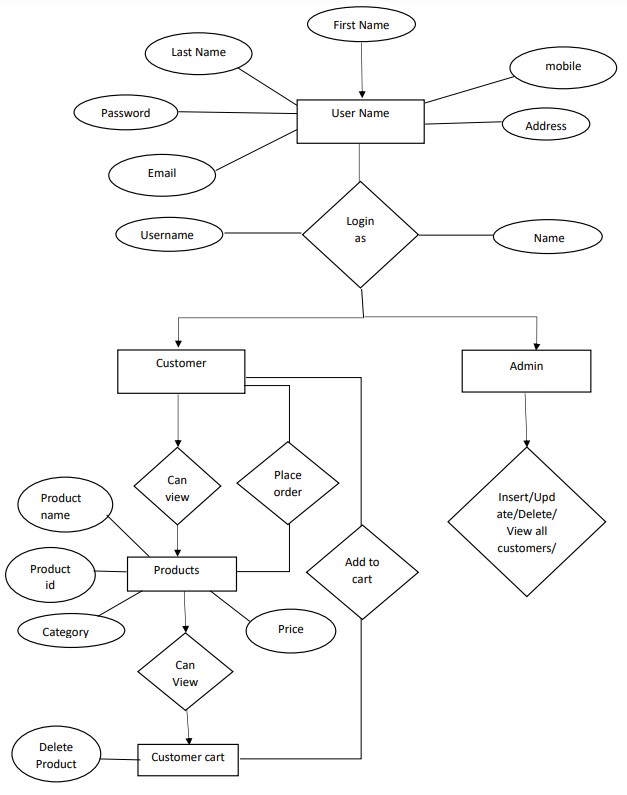
An ER diagram shows the relationship among entity sets. An entity set is a group of similar entities and these entities can have attributes. In term of DBMS, an entity is a table or attribute of a table in the database, so by showing relationship among the tables and their attributes, ER diagram shows the complete logical structure of a database.

**Advantages of ER model:**

* Conceptually it is very simple: ER model is very simple because if we know relationship between entities and attributes, then we can easily draw an ER Diagram.
* Better visual representation: ER model is a diagrammatic representation of any logical structure of database. By seeing ER diagram, we can easily understand relationship among entities and relationship.
* Highly integrated with relational model: ER model can be easily converted into relational model by simply converting ER model into tables.
* Easy conversion to any data model: ER model can be easily converted into another data model like hierarchical data model, network model and so on.

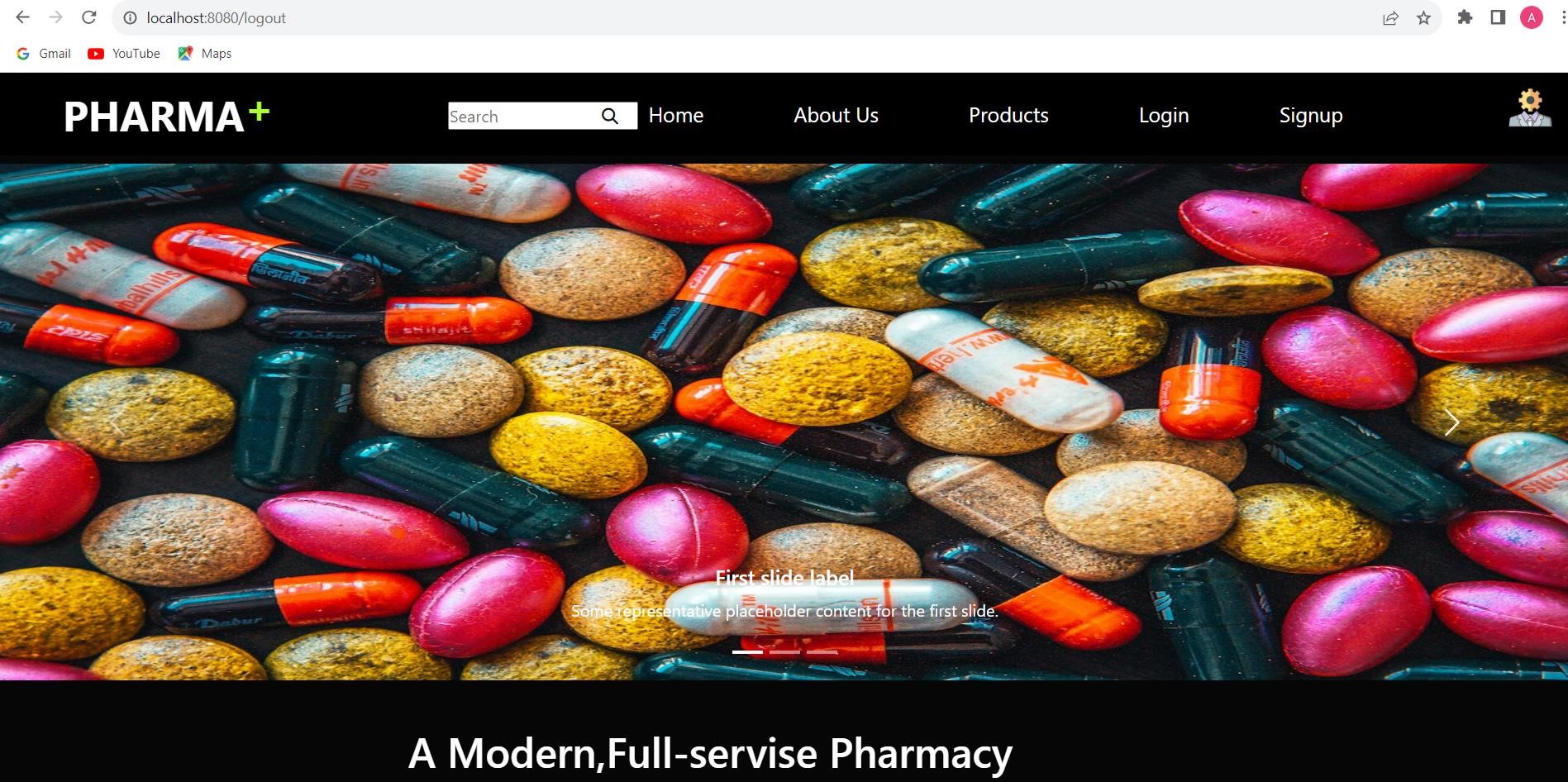
**Disadvantages of ER model:**

* Loss of information content: Some information be lost or hidden in ER model.
* Limited relationship representation: ER model represents limited relationship as compared to another data models like relational model etc.
* No representation of data manipulation: It is difficult to show data manipulation in ER model.

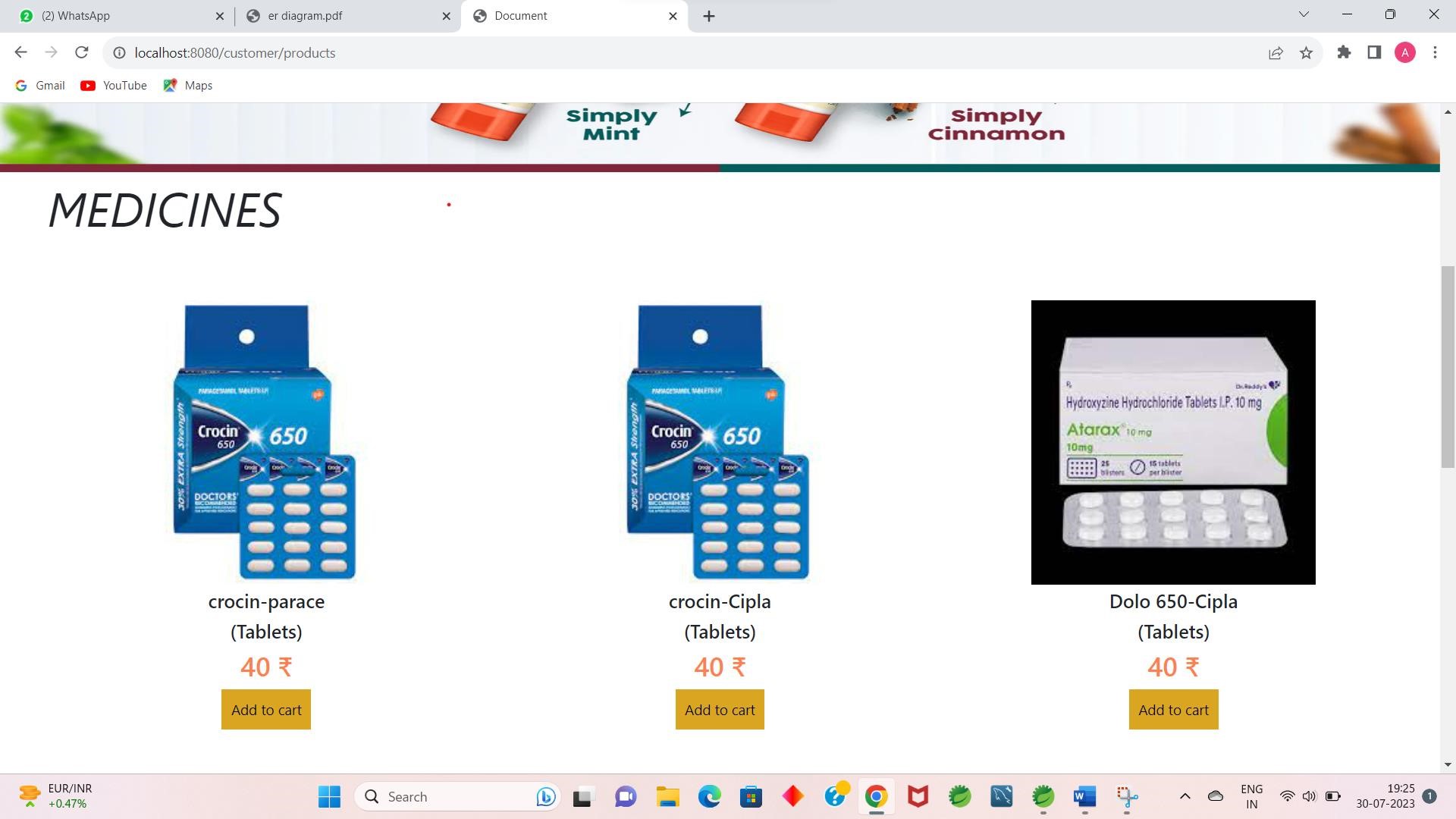


### 4.9 Forms Screenshots:

**Home Page:**



**Products page:**



# Customer page:

# 

# Login page:

# 

# Signup page:

# 

# AboutUs page:

# 

# Admin Home :

# 

# Insert page:

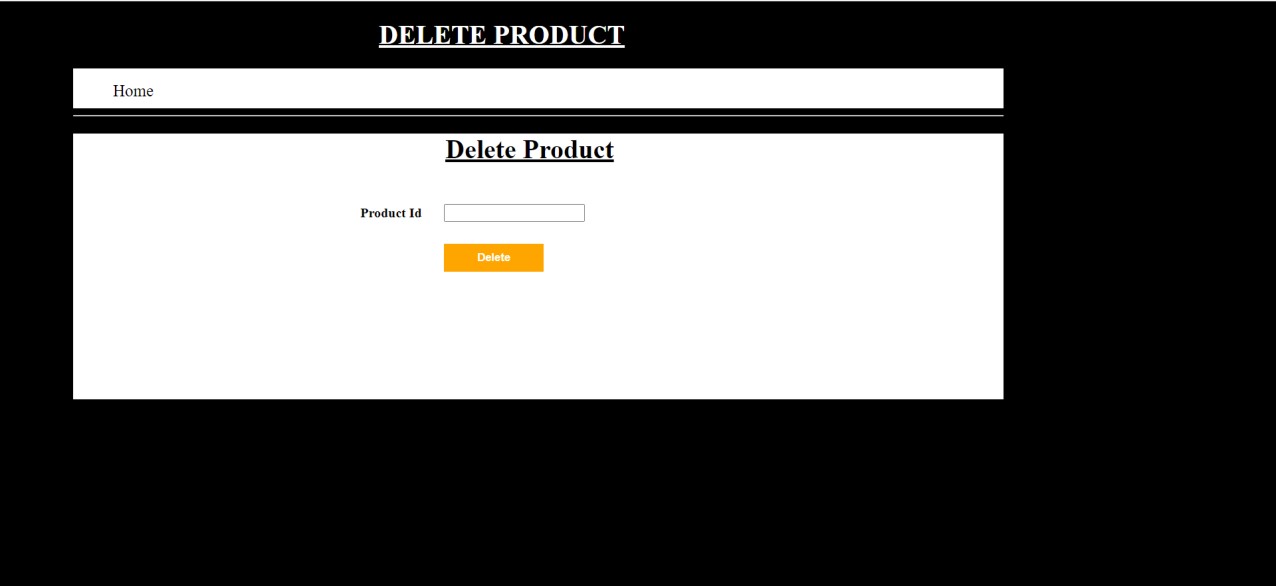
# 

# Update page:

# 

# 

# Delete page:



# CHAPTER5

## IMPLEMENTATION

❖**Admin Module**

Admin can access dashboard after logging in and perform operations such as adding the product , updating the product & deleting the product. In product it will have name , category , brand , price, image , quantity. Admin can view all the registered customers and also the session is validated i.e. admin should compulsorily login to use features/dashboard

**Admin:**

**Home:**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-*

*8859-1"* pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html lang=*"en"*>

<head>

<meta charset=*"UTF-8"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*> <meta name=*"viewport"* content=*"width=device-width, initialscale=1.0"*> <title>Admin</title>

<style> **body** { background-image:

*url("https://images.unsplash.com/photo158591492462615adac1e6402?ixlib=rb-*

*4.0.3&ixid=M3wxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8fA%3D%3 D&auto=format&fit=crop&w=1171&q=80")*; background-repeat: *norepeat*; background-size: *100% 100vh*; overflow-x:

*hidden*;

}

\* {

margin: *0*;

padding: *0*;

}

**h1** { position: *relative*;

left: *17em*; text-decoration:

*underline*;

}

**h2** {

text-align: *center*;

}

*.main* {

width: *70em*;

position: *relative*;

left: *5em*;

}

**nav** {

/\* width: 100%; \*/ backgroundcolor: *white*;

}

*.container* { display: *flex*; column-gap:

*3em*; position: *relative*; left:

*3em*;

top: *1em*;

/\* background-color:aquamarine; \*/ width: *50em*; height: *3em*;

}

**form** { background-color:

*white*;

height: *18em*;

}

*.but1* { background-color: *greenyellow*; height: *2.5em*; width: *13em*; border: *2em*; border-radius:

*0.5em*;

}

*.but2* { background-color: *aqua*; height: *2.5em*; width: *13em*; border: *2em*; border-radius: *0.5em*;

}

*.but3* {

background-color: *red*;

height: *2.5em*; width: *13em*; border: *2em*; border-radius: *0.5em*;

}

*.demo* { display:

*flex*; }

</style>

</head>

<body>

<h1

style="color: *black*; text-decoration: *none*; position: *relative*; left: *40vw*;">ADMIN</h1>

<div class=*"main"*>

<nav>

<div class=*"container"*>

<div>

|  |  |
| --- | --- |
| </div>    </div>  </nav>  <hr> | Logout</a> |
| <h1 id=*"successMessage"* style="color: | |

<a href=*"/admin/home"* style="text-decoration: *none*;

font-size: *20px*; color: *black*;">Home</a>

</div> <div>

<a href=*"/logout"* style="text-decoration: *none*; font-size: *20px*; color:

*black*; transition: *all 0.2s linear*;

hover {transform: *scale(1.2)*">

*green*">${pass}</h1>

<h1 id=*"failMessage"* style="color: *red*">${fail}</h1>

<script>

// Get the success and fail message elements **var** successMessage =

document.getElementById("successMessage");

**var** failMessage =

document.getElementById("failMessage");

// Check if the success message exists and display it as a pop-up alert

**if** (successMessage.innerText !== "") { window.alert(successMessage.innerText);

successMessage.style.display = "none"; //

Hide the success message element

}

// Check if the fail message exists and display it as a popup alert

**if** (failMessage.innerText !== "") { window.alert(failMessage.innerText);

failMessage.style.display = "none"; //

Hide the fail message element

}

</script>

<br>

<br>

<br>

<br>

<div style="display: *flex*; justify-content: *spacearound*;">

<div

style="height: *60px*; width: *170px*; border-

radius: *16px*; display: *flex*; justify-content: *space-around*;

align-items: *center*; background-color: *black*; color: *white*; font-size: *20px*; font-weight: *bold*;">

<a href=*"/admin/insert"* style="text-

decoration: *none*; color: *white*">Insert

Products</a>

</div>

<div

style="height: *60px*; width: *170px*; border-

radius: *16px*; display: *flex*; justify-content: *space-around*;

align-items: *center*; background-color: *black*; color: *white*; font-size: *20px*; font-weight: *bold*">

<a href=*"/admin/products"* style="text-decoration: *none*; color:

*white*">View all Products</a>

</div>

<div

style="height: *60px*; width: *170px*; border-

radius: *16px*; display: *flex*; justify-content: *space-around*;

align-items: *center*; background-color: *black*; color: *white*; font-size: *20px*; font-weight: *bold*">

<a href=*"/admin/update"* style="text-

decoration: *none*; color: *white*">update

Products</a>

</div>

<div

style="height: *60px*; width: *170px*; border-

radius: *16px*; display: *flex*; justify-content: *space-around*;

align-items: *center*; background-color: *black*; color: *white*; font-size: *20px*; font-weight: *bold*">

<a href=*"/admin/delete"* style="text-

decoration: *none*; color: *white*">Delete

Products</a>

</div>

<div

style="height: *60px*; width: *170px*; border-

radius: *16px*; display: *flex*; justify-content: *space-around*;

align-items: *center*; background-color: *black*; color: *white*; font-size: *20px*; font-weight: *bold*;">

<a href=*"/admin/customers"* style="text-decoration: *none*; color:

*white*">View all Customers</a>

</div>

</div>

</body>

</html>

**Login:**

<%@page import=*"com.protech.ifashion.dto.Customer"*%>

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-*

*8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html lang=*"en"*>

<head>

<meta charset=*"UTF-8"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*> <meta name=*"viewport"* content=*"width=device-width, initialscale=1.0"*>

<title>Document</title>

<link rel=*"stylesheet"* href=*"./pro.css"*>

<link rel=*"preconnect"* href=*"https://fonts.googleapis.com"*> <link rel=*"preconnect"* href=*"https://fonts.gstatic.com"* crossorigin> <link href=*"https://fonts.googleapis.com/css2?family=Open+Sans&*

*display=swap"* rel=*"stylesheet"*>

<style>

\* {

margin: *0*;

padding: *0*;

}

**nav** { display: *flex*;

background-color: *black*;

height: *80px*;

}

*#part2* { display: *flex*; position: *relative*; left: *25%*; color: *white*; list-style: *none*; width: *50%*; justifycontent: *space-around*; alignitems: *center*;

font-size: *20px*;

}

*#part1* { position:

*relative*; left: *4%*;

display: *flex*; align-items: *center*; font-size: *40px*; fontweight: *bolder*; color: *white*;

font-family: *'Segoe UI', Tahoma, Geneva, Verdana, sansserif*;

transition: *all 1s linear*;

}

*#part1:hover* {

transform: *rotate(360deg)*;

}

*#part3* { background-color: *black*;

text-decoration: *none*; color: *white*;

transition: *all 0.5s linear*;

}

*#part3:hover* { background-color: *rgb(248, 248, 243)*; color:

*black*;

border-radius: *5px*;

}

*#part4* { background-color: *black*; text-decoration: *none*; color: *white*; transition:

*all 0.5s linear*;

}

*#part4:hover*

{

background-color: *rgb(248, 248, 243)*; color: *black*; borderradius: *5px*;

}

*#part5* { background-color: *black*; text-decoration: *none*; color: *white*; transition:

*all 0.5s linear*;

}

*#part5:hover*

{

background-color: *rgb(248, 248, 243)*; color: *black*; borderradius: *5px*;

}

*#part6* { background-color: *black*; text-decoration: *none*; color: *white*; transition:

*all 0.5s linear*;

}

*#part6:hover*

{

background-color: *rgb(248, 248, 243)*; color: *black*; borderradius: *5px*;

}

*#part7* { background-color: *black*; text-decoration: *none*; color: *white*; transition:

*all 0.5s linear*;

}

*#part7:hover* { background-color: *rgb(248, 248, 243)*; color: *black*; borderradius: *5px*;

}

*#nav\_child1* {

|  |  |
| --- | --- |
| width: *30%*; textalign: *center*;  }    *#nav\_child2* { |  |
| width: *50%*; display: *flex*; | justify- |

content: *space-between*; align-items: *center*; font-size: *1.3em*; font-family: *'Times New Roman', Times, serif*;

}

*.nav\_child:hover* { color: *red*;

}

*#nav\_child3* {

width: *20%*; display: *flex*; justify-content: *end*;

}

**h1** { font-size: *50px*; font-family: *'Times*

*New Roman', Times, serif*; font-weight: *bolder*;

}

*.container-fluid* { background-image: *url(../image/prbgg.jpg)*; /\* background-image: url(../image/1682498717547.jpg); background-repeat: no-repeat; background-size: cover; \*/ height: *500px*; display: *flex*; justify-content:

*center*; align-items: *center*;

}

*.tab* { border: *2px solid black*; background-color: *white*; /\* background-image:

lineargradient(blue,red,orange,gree n); \*/

/\* border-radius: 10px; \*/

/\* display: flex; \*/

/\* justify-content: center; \*/ padding: *60px*; width: *100px*;

height: *100px*;

}

**input**[id="user"] { border-

color: *black*; border-width:

*1px*; border-radius: *3px*; border-style: *solid*;

}

**input**[id="pass"] { border-

color: *black*; border-width:

*1px*; border-radius: *3px*; border-style: *solid*;

}

**input**[value="Submit"] { border-

color: *blue*; border-width: *1px*; border-radius: *3px*;

color: *black*;

}

</style>

</head>

<body>

<h1 id=*"successMessage"* style="color: *green*">${pass}</h1>

<h1 id=*"failMessage"* style="color: *red*">${fail}</h1>

<script>

// Get the success and fail message elements **var** successMessage =

document.getElementById("successMessage");

**var** failMessage =

document.getElementById("failMessage");

// Check if the success message exists and display it as a pop-up alert

**if** (successMessage.innerText !== "") { window.alert(successMessage.innerText); successMessage.style.display = "none"; // Hide

the success message element

}

// Check if the fail message exists and display it as a popup alert **if** (failMessage.innerText !== "") { window.alert(failMessage.innerText);

failMessage.style.display = "none"; // Hide the fail message

element

}

</script>

<nav>

<div id=*"part1"*>i Fashion</div>

<div id=*"part2"*>

<li><a href=*"/"* id=*"part3"*>Home</a></li>

<li><a href=*"/aboutus"* id=*"part4"*>About

Us</a></li>

~~<li>~~<a href=*"/customer/products"*

id=*"part5"*>Products</a></li>

<%

Customer customer = (Customer)

session.getAttribute("customer");

**if** (customer == **null**) {

%>

<li><a href=*"/customer/login"*

id=*"part6"*>Login</a></li>

<li><a href=*"/customer/signup"*

id=*"part7"*>Signup</a></li>

<%

} **else** {

%>

<div class=*"cart"*>

<a href=*"/customer/cart"* class=*"cart"*><img

src=*"data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQABAAD/2*  alt=*"Cart"* width=*"39em"* height=*"39em"*

style="border-radius: *10em*;"></a>

</div>

<div>

<a href=*"/logout"* style="text-decoration:

*none*; color: *white*;">Logout</a>

</div>

<%

}

%>

</div>

<div class=*"admin"* style="position: *relative*; left:

*490px*; top: *15px*">

<a href=*"/admin/login"* class=*"admin"*

style="text-decoration: *none*;">

<img height=*"45px"* width=*"45px"* alt=*""*

src=*"../images/adminlogo.png"*>

</a>

</div>

### </div>

</nav>

<div class=*"container-fluid"*>

<form action=*"/admin/login"* method=*"post"*>

<table class=*"tab"*

style="height: *300px*; width: *300px*;

border-radius: *10px*;">

<tr>

</tr>

<tr>

<th style="font-size: *20px*; font-

style: *normal*; text-align: *center*;">

ADMIN LOGIN</th>

</tr>

<tr>

<td><input type=*"text"* name=*"user"* id=*"user"*

placeholder=*"Enter email/mobile"* style="width: *200px*; height:

*25px*; font-size: *12px*; background-color:

*lightgoldenrodyellow*;">

</td>

</tr>

<tr>

style="width: *200px*; height:

*25px*; font-size: *12px*;"></td>

</tr>

<tr>

<td>

<button

style="width: *50px*; height:

*30px*; font-size: *18px*; background-color: *orange*; border-style:

*none*; width: *200px*; border-radius: *2px*;">Login</button>

</td>

</tr>

</table>

</form>

</div>

|  |  |
| --- | --- |
| name=*"pass"* id=*"pass"* | <td><input type=*"password"* |
|  | placeholder=*"Password"* |

</body>

</html>

**Admin Insert:**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-*

*8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html lang=*"en"*>

<head>

<meta charset=*"UTF-8"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*> <title>Insert</title>

<style> **body**{ background-color: *black*;

/\* width: 10em; \*/ background-image:*url(../image/prbg1.jpg)*;

overflow: *hidden*;

} **h1**{

position: *relative*; left: *14em*;

text-decoration: *underline*;

} **h2**{ text-align: *center*; } *.main*{ width: *70em*; position: *relative*; left:

*5em*; } **nav**{

/\* width: 100%; \*/ backgroundcolor: *white*;

} *.container*{ display: *flex*; column-gap: *3em*; position: *relative*; left: *3em*; top:

*1em*;

/\* background-color: white; \*/

width: *50em*; height: *3em*;

} **form**{ border: *solid white*;

background-color:*rgb(193, 230, 230)*;

/\* width: 78em; \*/

} **table**{ position: *relative*; left: *10em*; top: *1em*; font-size:

*1em*;

} *.td2*{ width:

*55em*; height:

*1.6em*; } *.td1*{ text-align: *right*; position: *relative*; left:*-*

*2em* ;

}

</style>

</head>

<body>

<h1 id=*"successMessage"* style="color:*green*">${pass}</h1>

<h1 id=*"failMessage"* style="color:*red*">${fail}</h1>

<script>

// Get the success and fail message elements **var** successMessage =

document.getElementById("successMessage");

**var** failMessage = document.getElementById("failMessage");

// Check if the success message exists and display it as a pop-up alert

**if** (successMessage.innerText !== "") { window.alert(successMessage.innerText); successMessage.style.display = "none"; // Hide the success message element

}

// Check if the fail message exists and display it as a pop-up alert

**if** (failMessage.innerText !== "") { window.alert(failMessage.innerText); failMessage.style.display = "none"; // Hide the fail message element }

</script>

<h1 style="color: *white*;">INSERT PRODUCT</h1>

<div class=*"main"*>

<nav>

<div class=*"container"*>

<div><a href=*"/admin/home"* style="text-decoration:

*none*;font-size: *20px*;color: *black*;">Home</a></div>

</div>

</nav>

<hr>

<form action=*"/admin/insert"* method=*"post"*enctype=*"multipart/form-data"*>

<h2 >Insert Product Details</h2>

<table cellpadding=*""* cellspacing=*"10em"*>

<tr>

<td class=*"td1"*><label for=*"cat"*><strong>

Category</strong></label></td>

<td><input type=*"text"* name=*"category"* id=*"cat"* placeholder=*"Men"* class=*"td2"*></td>

</tr>

<tr>

<td class=*"td1"* ><label for=*"sub"*><strong>Subcategory</strong></label></td> <td><input type=*"text"* name=*"subcategory"* id=*"sub"*

placeholder=*"category"* class=*"td2"*></td>

</tr>

<tr>

<td class=*"td1"* ><label for=*"fname"*><strong>Name</stong></label></td>

<td><input type=*"text"* name=*"name"* id=*"fname"* placeholder=*"Full name"* class=*"td2"*></td>

</tr>

<tr>

<td class=*"td1"* ><label for=*"brand"*><strong>Brand</strong></label></td>

<td><input type=*"text"* name=*"brand"* id=*"brand"* placeholder=*"adidas"* class=*"td2"*></td>

</tr>

<tr>

<td class=*"td1"* ><label for=*"price"*><Strong>Price</Strong></label></td>

<td><input type=*"text"* name=*"price"* id=*"price"* placeholder=*"price"* class=*"td2"*></td>

</tr>

<tr>

<td class=*"td1"* ><label for=*"img"*><strong>Image</strong></label></td>

<td ><input type=*"file"* name=*"pic"* src=*""* class=*"td2"* id=*"img"* style="border: *1px solid*; backgroundcolor: *white*;"></td>

</tr>

<tr>

<td class=*"td1"* ><label for=*"size"*><strong>Size</strong></label></td>

<td><input type=*"text"* name=*"size"* id=*"size"* placeholder=*"s"* class=*"td2"*></td>

</tr>

<tr>

<td><td>

<td style="position: *relative*; left:

*47em*;"><button value=*"Insert"* style="background-color: *orange*; border: *10px white*; height: *2.2em*; width: *8em*; font-size: *1em*; color: *aliceblue*;"><strong>Insert</strong></button></td> </tr>

</table>

</form>

</div>

</body>

</html>

**Update Products:**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-*

*8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html lang=*"en"*>

<head>

<meta charset=*"UTF-8"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*> <title>Update</title>

<style> **body**{

background-color: *black*; width: *100%*;

background-image: *url(../image/prbg1.jpg)*; overflow: *hidden*;

}

**h1**{ position: *relative*; left:

*14em*; text-decoration: *underline*; } *.main*{ width: *70em*; position: *relative*; left:

*4.5em*;

} **nav**{ width: *100%*; background-color:*white*

} *.container*{ display: *flex*; column-gap: *3em*; position: *relative*; left: *1.5em*; top: *1em*;

/\* background-color: white; \*/

width: *50em*; height: *3em*;

}

**form**{ border: *solid white*; background-color:*rgb(193, 230, 230)*; /\* width: 78em; \*/ } **table**{ position: *relative*; left: *10em*; top: *-1em*; font-size: *1em*;

} *.td2*{ width:

*55em*; height:

*1.45em*;

} *.td1*{ text-align: *right*; position: *relative*; left:*-2em*

;

}

</style>

</head>

<body>

<h1 id=*"successMessage"* style="color:*green*">${pass}</h1>

<h1 id=*"failMessage"* style="color:*red*">${fail}</h1>

<script>

// Get the success and fail message elements **var** successMessage =

document.getElementById("successMessage");

**var** failMessage = document.getElementById("failMessage");

// Check if the success message exists and display it as a pop-up alert

**if** (successMessage.innerText !== "") { window.alert(successMessage.innerText); successMessage.style.display = "none"; // Hide the success message element

}

// Check if the fail message exists and display it as a pop-up alert

**if** (failMessage.innerText !== "") { window.alert(failMessage.innerText);

failMessage.style.display = "none"; // Hide the fail message element

}

</script>

<h1 style="color: *white*;">UPDATE PRODUCT</h1>

<div class=*"main"*>

<nav>

<div class=*"container"*>

<div><a href=*"/admin/home"* target=*"\_blank"* style="text-decoration: *none*;font-size: *20px*;color:

*black*;">Home</a></div>

</div>

</nav>

<hr>

<form action=*"/admin/update"*

method=*"post"*enctype=*"multipart/form-data"*>

<h2 style="position: *relative*; left: *18em*;">Update

Product Details</h2>

<table cellpadding=*""* cellspacing=*"8em"*>

<tr>

<td class=*"td1"*><label

for=*"id"*><strong>Id</strong></label></td>

<td><input type=*"text"* name=*"id"* id=*"id"* placeholder=*"Product Id"* class=*"td2"*></td>

</tr>

<tr>

<td class=*"td1"* ><label for=*"fname"*><strong>Name</stong></label></td>

<td><input type=*"text"* name=*"name"* id=*"fname"* placeholder=*"Full name"* class=*"td2"*></td>

</tr>

<tr>

<td class=*"td1"* ><label for=*"brand"*><strong>Brand</strong></label></td>

<td><input type=*"text"* name=*"brand"* id=*"brand"* placeholder=*"adidas"* class=*"td2"*></td>

</tr>

<tr>

<td class=*"td1"* ><label for=*"price"*><Strong>Price</Strong></label></td>

<td><input type=*"text"* name=*"price"* id=*"price"* placeholder=*"price"* class=*"td2"*></td>

</tr>

<tr>

<td class=*"td1"* ><label for=*"img"*><strong>Image</strong></label></td>

<td ><input type=*"file"* name=*"pic"* src=*""* class=*"td2"* id=*"img"* style="border: *1px solid*; backgroundcolor: *white*;"></td>

</tr>

<tr>

<td><td>

<td style="position: *relative*; left:

*47em*;"><button value=*"Insert"* style="background-color: *orange*; border: *10px white*; height: *2.2em*; width: *8em*; font-size:

*1em*; color: *aliceblue*;"><strong>Update</strong></button></td>

</tr>

</table>

</form>

</div>

</body>

</html>

**Delete Products:**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-*

*8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html lang=*"en"*>

<head>

<meta charset=*"UTF-8"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*> <title>Delete</title>

<style> **body**{ background-color: *black*;

/\* width: 10em; \*/

background-image:*url(../image/prbg1.jpg)*; overflow: *hidden*;

} **h1**{

position: *relative*; left: *14em*;

text-decoration: *underline*;

} **h2**{

text-align: *center*; } *.main*{ width: *70em*; position: *relative*; left:

*5em*;

/\* background-color: aliceblue; \*/

} **nav**{

/\* width: 100%; \*/ backgroundcolor: *white*;

} *.container*{ display: *flex*; column-gap: *3em*; position: *relative*; left: *3em*; top:

*1em*;

/\* background-color: white; \*/

width: *50em*; height: *3em*;

} **form**{

background-color: *white*; height: *20em*;

} **table**{

position: *relative*; left: *20em*;

}

</style>

</head>

<body>

<h1 id=*"successMessage"* style="color:*green*">${pass}</h1>

<h1 id=*"failMessage"* style="color:*red*">${fail}</h1>

<script>

// Get the success and fail message elements **var** successMessage =

document.getElementById("successMessage");

**var** failMessage = document.getElementById("failMessage");

// Check if the success message exists and display it as a pop-up alert

**if** (successMessage.innerText !== "") { window.alert(successMessage.innerText); successMessage.style.display = "none"; // Hide the success message element

}

// Check if the fail message exists and display it as a pop-up alert

**if** (failMessage.innerText !== "") { window.alert(failMessage.innerText);

failMessage.style.display = "none"; // Hide the fail message element

}

</script>

<h1 style="color: *white*;">DELETE PRODUCT</h1>

<div class=*"main"*>

<nav>

<div class=*"container"*>

<div><a href=*"/admin/home"* target=*"\_blank"* style="text-decoration: *none*;font-size: *20px*;color:

*black*;">Home</a></div>

</div>

</nav>

<hr>

<form action=*"/admin/delete"* method=*"post"*>

<h1>Delete Product</h1>

<table cellspacing=*"25em"*>

<tr>

<td><label for=*"Product"*><strong>Product Id</strong></label></td>

<td><input type=*"text"* name=*"id"* id=*"product"*></td>

</tr>

<tr>

<td></td>

<td><button style="background-color: *orange*; color: *white*; height: *2.5em*; width: *9em*; border: *white*;"><strong>Delete</strong></button></td>

</tr>

</table>

</form>

</div>

</body>

</html>

**View All Customers:**

<%@page import=*"com.protech.ifashion.dto.Customer"*%>

<%@page import=*"org.apache.commons.codec.binary.Base64"*%>

<%@page import=*"com.protech.ifashion.dto.Product"*%>

<%@page import=*"java.util.List"*%>

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-*

*8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html lang=*"en"*>

<head>

<meta charset=*"UTF-8"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*> <title>Document</title> <link rel=*"preconnect"* href=*"https://fonts.googleapis.com"*> <link rel=*"preconnect"* href=*"https://fonts.gstatic.com"* crossorigin> <link

href=*"https://fonts.googleapis.com/css2?family=Open+Sans&displ ay=swap"* rel=*"stylesheet"*>

<style> **body**{ background-color: *white*;

} *.main*{ width: *70em*; position: *relative*; left:

*5em*; } **nav**{

/\* width: 100%; \*/ backgroundcolor: *white*;

}

*.container*{ display: *flex*; column-gap: *3em*; position: *relative*; left: *3em*; top:

*1em*;

/\* background-color: aqua; \*/

width: *50em*; height: *3em*;

}

*#cart\_imagehead*

{ height: *5em*; width: *100%*; display: *flex*; justify-content: *center*; align-items: *center*;

background-image: *radial-gradient(skyblue,white)*; fontfamily: *'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans Unicode', Geneva, Verdana, sans-serif*;

position: *relative*; top: *15px*; }

*#cart\_table* {

font-family: *Verdana, Geneva, Tahoma, sans-serif*; font-size: *medium*; border-collapse: *collapse*; position: *relative*; top: *2em*;

}

*.cart\_quantity* { width: *3em*; text-align: *center*; } *#cart\_head* {

background-image: *linear-gradient(to top, gray , white)*;

}

*#cart\_total* { position: *relative*; left: *65em*; top: *50px*; borderspacing: *2em*; } **td**{ text-align: *left*; borderbottom: *-1em solid*;

}

*#cart\_image*{ width:

*250px*; height: *200px*; text-align: *center*;

}

</style>

</head>

<body>

<h1 id=*"successMessage"* style="color:*green*">${pass}</h1>

<h1 id=*"failMessage"* style="color:*red*">${fail}</h1>

<script>

// Get the success and fail message elements **var** successMessage = document.getElementById("successMessage");

**var** failMessage = document.getElementById("failMessage");

// Check if the success message exists and display it as a pop-up alert

**if** (successMessage.innerText !== "") { window.alert(successMessage.innerText); successMessage.style.display = "none"; // Hide the success message element

}

// Check if the fail message exists and display it as a pop-up alert

**if** (failMessage.innerText !== "") { window.alert(failMessage.innerText);

failMessage.style.display = "none"; // Hide the fail message element

}

</script>

<%List<Customer> list=(List<Customer>)request.getAttribute("list");%>

<div class=*"main"*>

<nav>

<div class=*"container"*>

<div><a href=*"/admin/home"* style="text-

decoration: *none*;font-size: *20px*;color: *black*;">Home</a></div>

</div>

</nav>

<div id=*"cart\_imagehead"*>

<h1> Customer Details</h1>

</div>

<table style="text-align: *center*;" id=*"cart\_table"* cellspacing=*"5em"* cellpadding=*"50em"* border=*"2em"*>

<tr id=*"cart\_head"*>

<td style="text-align: *center*;padding: *20px*;"><h3>customer ID</h3></td>

<td style="text-align: *center*;padding:

*20px*;"><h3>customer First Name</h3></td>

<td style="text-align: *center*;padding: *20px*;"><h3>customer Last Name</h3></td>

<td style="text-align: *center*;padding: *20px*;"><h3>customer Email</h3></td>

<td style="text-align: *center*;padding:

*20px*;"><h3>customer Mobile</h3></td>

</tr>

<%**for**(Customer cust:list){ %>

<tr>

<td style="text-align: *center*;"><%=cust.getId() %></td>

<td style="text-align: *center*;"><%=cust.getFname() %></td>

<td style="text-align: *center*;"><%=cust.getLname() %></td>

<td style="text-align: *center*;"><%=cust.getEmail() %></td>

<td style="text-align: *center*;"><%=cust.getMno() %></td>

</tr>

<%} %>

</table>

</body>

❖**Customer Module**

Customer can view product without Creating any account. Suppose if he wants to purchase anything that is, if he clicks on add to cart it, will ask him to login first. To login he must create an account. By entering details Such as, name, mobile number, e-mail address, password, address. Once signed up, he Can The login using e-mail id and password. The e-mail & password will be validated in the backend and authorize Customer to use. Customer can now add an item to cart, remove an item from the cart and place order. After placing order, he can select any of the payment option and place the order. A bill will be generated and the customer can print if it is needed.

**Customer:**

**Home:**

<!DOCTYPE html>

<%@page import=*"com.protech.ifashion.dto.Customer"*%>

<html lang=*"en"*>

<head>

<meta charset=*"UTF-8"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*> <title>Document</title> <link rel=*"preconnect"* href=*"https://fonts.googleapis.com"*> <link rel=*"preconnect"* href=*"https://fonts.gstatic.com"* crossorigin>

<style> **body**{ overflow-x: *hidden*; } \*{ margin: *0*; padding: *0*;

} **nav**{ display: *flex*; background-color:

*black*; height: *80px*;

position: *sticky*; top:

*0*; z-index: *2*; } *#part2*{ display: *flex*; position: *relative*; left: *25%*;

color: *white*; list-style: *none*; width: *50%*;

justify-content: *space-around*; align-items: *center*; font-size:

*20px*;

}

*#part1*{

position: *relative*; left: *4%*; display: *flex*; align-items: *center*; font-size: *40px*; font-weight: *bolder*; color:

*white*;

font-family: *'Segoe UI', Tahoma, Geneva, Verdana, sans-serif*;

transition: *all 1s linear*;

}

*#part1:hover*{

transform: *rotate(360deg)*;

} *#part3*{

background-color: *black*; text-decoration: *none*; color: *white*;

transition: *all 0.5s linear*;

}

*#part3:hover*{

background-color: *rgb(248, 248, 243)*; color: *black*; border-radius: *5px*;

}

*#part4*{

background-color: *black*; text-decoration: *none*; color: *white*;

transition: *all 0.5s linear*;

}

*#part4:hover*{

background-color: *rgb(248, 248, 243)*; color: *black*; border-radius: *5px*;

} *#part5*{

background-color: *black*; text-decoration: *none*; color: *white*;

transition: *all 0.5s linear*;

}

*#part5:hover*{

background-color: *rgb(248, 248, 243)*; color: *black*; border-radius: *5px*;

} *#part6*{ background-color: *black*; text-decoration: *none*; color: *white*;

transition: *all 0.5s linear*;

}

*#part6:hover*{

background-color: *rgb(248, 248, 243)*; color: *black*; border-radius: *5px*;

} *#part7*{

background-color: *black*; text-decoration: *none*; color: *white*;

transition: *all 0.5s linear*;

}

*#part7:hover*{

background-color: *rgb(248, 248, 243)*; color: *black*; border-radius: *5px*;

} **footer** { background:

*#212529*;

}

</style> <link href=*"https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bo otstrap.min.css"* rel=*"stylesheet"* integrity=*"sha384-*

*EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLAS jC"* crossorigin=*"anonymous"*>

</head>

<nav>

<div id=*"part1"*> i Fashion

</div>

<div id=*"part2"*>

<li><a href=*"/"* id=*"part3"*>Home</a></li>

<li><a href=*"/aboutus"* id=*"part4"*>About Us</a></li>

<li><a href=*"/customer/products"* id=*"part5"*>Products</a></li>

<%Customer

customer=(Customer)session.getAttribute("customer");

**if**(customer==**null**){

%>

<li><a href=*"/customer/login"*id=*"part6"*>Login</a></li>

<li><a href=*"/customer/signup"* id=*"part7"*>Signup</a></li>

<%}**else**{%>

<div class=*"cart"*>

<a href=*"/customer/cart"* class=*"cart"*><img

src=*"data:image/jpeg;base64,/9j/4AAQSkZJRgABAQAAAQABAAD/2wCEAA*  *+ //Z"* alt=*"Cart"* width=*"39em"* height=*"39em"* style="borderradius: *10em*;"></a> </div>

<div>

<a href=*"/logout"* style="text-decoration:

*none*; color: *white*;">Logout</a>

</div>

<%} %>

</div>

<div class=*"admin"*style="position: *relative*;left: *490px*;top:*15px*">

<a href=*"/admin/login"* class=*"admin"*

style="textdecoration: *none*;"> <img height=*"45px"* width=*"45px"* alt=*""* src=*"../images/adminlogo.png"*></a>

</div>

### </div>

<div id=*"nav\_child2"*>

<form action=*"/customer/search"* method=*"post"*>

<input type=*"search"* placeholder=*"Search"* name=*"product"*style="position:

*relative*;right:*290%*;top:*28px*"><button ~~href~~=*""* style="background-color: *white*;border:*none*; width: *25px*; position: *relative*;right:*305%*;top: *28px*;" >

<i style="color: *rgb(20, 20, 20)*; position: *relative*

;right:*40%*;z-index: *4*;" class=*"fa-solid famagnifyingglass"*></i>

</button>

</form>

</div>

</nav>

<body style="background-color: *black*;">

<div id=*"carouselExampleCaptions"* class=*"carousel slide"* data-bs-ride=*"carousel"*>

<div class=*"carousel-indicators"*>

<button type=*"button"* data-bs- target=*"#carouselExampleCaptions"* data-bs-slide-to=*"0"*

class=*"active"* aria-current=*"true"* aria-label=*"Slide*  *1"*></button>

<button type=*"button"* data-bs-

target=*"#carouselExampleCaptions"* data-bs-slide-to=*"1"*

arialabel=*"Slide 2"*></button>

<button type=*"button"* data-bs-

target=*"#carouselExampleCaptions"* data-bs-slide-to=*"2"*

arialabel=*"Slide 3"*></button>

</div>

<div class=*"carousel-inner"*>

<div class=*"carousel-item active"*>

<img src=*"https://images.unsplash.com/photo-*

class=*"d-block w-100"* alt=*"..."* height=*"600px"*>

<div class=*"carousel-caption d-none d-md-block"*> <h5>First slide label</h5>

<p>Some representative placeholder content for the first slide.</p> </div>

</div>

<div class=*"carousel-item"*>

<img src=*"https://images.unsplash.com/photo-*

class=*"d-block w-100"* alt=*"..."* height=*"600px"*>

<div class=*"carousel-caption d-none d-md-block"*>

<h5>Second slide label</h5>

<p>Some representative placeholder content for the second slide.</p> </div>

</div>

<div class=*"carousel-item"*>

<img src=*"https://images.unsplash.com/photo-*

class=*"d-block w-100"* alt=*"..."* height=*"600px"*>

<div class=*"carousel-caption d-none d-md-block"*>

<h5>Third slide label</h5>

<p>Some representative placeholder content for the third slide.</p> </div>

</div>

</div>

<button class=*"carousel-control-prev"* type=*"button"* data-bs-target=*"#carouselExampleCaptions"* data-bsslide=*"prev"*>

<span class=*"carousel-control-prev-icon"* ariahidden=*"true"*></span>

<span class=*"visually-hidden"*>Previous</span> </button>

<button class=*"carousel-control-next"* type=*"button"* data-bs-target=*"#carouselExampleCaptions"* data-bsslide=*"next"*>

<span class=*"carousel-control-next-icon"* ariahidden=*"true"*></span>

<span class=*"visually-hidden"*>Next</span>

</button>

</div>

<div class=*"d-md-flex flex-md-equal w-100 my-md-3 mx-5 ps-md-3"*>

<div class=*"bg-dark me-md-3 pt-3 px-3 pt-md-5 px-md-5 text-center text-white overflow-hidden"*>

<div class=*"my-3 py-3"*>

<h2 class=*"display-5"*>Top Deals On Shopping</h2>

<p class=*"lead"*>Explore Now!</p>

</div>

<div class=*"bg-light shadow-sm mx-auto"*

style="width: *80%*; height: *300px*; border-radius: *21px 21px 0*

*0*;">

<img src=*"https://images.unsplash.com/photo-*

*1483985988355-763728e1935b?ixlib=rb-*

*4.0.3&ixid=M3wxMjA3fDB8MHxzZWFyY2h8Mnx8c2hvcHBpbmd8ZW58MHx8MHx 8fDA%3D&auto=format&fit=crop&w=500&q=60"* alt=*""* height=*"300px"* width=*"100%"*> </div>

</div>

<div class=*"bg-light me-md-3 pt-3 px-3 pt-md-5 mx-5 px-md-5 text-center overflow-hidden"*>

<div class=*"my-3 p-3"*>

<h2 class=*"display-5"*>Why Shoppers Choice?</h2>

<p class=*"lead"*>Growth,Lowest Cost of doing

Bussiness,Ease,transparency</p>

</div>

<div class=*"bg-dark shadow-sm mx-auto"* style="width:

*80%*; height: *300px*; border-radius: *21px 21px 0 0*;">

<img src=*"https://images.unsplash.com/photo-*

*zfGVufDB8fDB8fHww&auto=format&fit=crop&w=500&q=60"* alt=*""* width=*"100%"*> </div>

</div>

</div>

<footer class=*"w-100 py-4 flex-shrink-0"*>

<div class=*"container py-4"*>

<div class=*"row gy-4 gx-5"*>

<div class=*"col-lg-4 col-md-6"*>

<h5 class=*"h1 text-white"*>i Fashion</h5>

<p class=*"small text-muted"*>We offer a wide range of products for:

<li style="color:*rgb(108, 108, 108)*;">Men</li>

<li style="color:*rgb(108, 108,*

*108)*;">Women</li>

<li style="color:*rgb(108, 108, 108)*;">Gadgets</li>

<li style="color:*rgb(108, 108,*  *108)*;">Fashions</li>

<li style="color:*rgb(108, 108,*

*108)*;">Wearables</li></p>

</div>

<!-- <div class="col-lg-2 col-md-6">

<h5 class="text-white mb-3">Quick links</h5>

<ul class="list-unstyled text-muted">

<li><a href="#">Home</a></li>

<li><a href="#">About</a></li>

<li><a ~~href~~="#">Get started</a></li>

<li><a ~~href~~="#">FAQ</a></li> </ul>

</div> -->

<div class=*"col-lg-2 col-md-6"*>

<h5 class=*"text-white mb-3"*>Quick links</h5>

<ul class=*"list-unstyled text-muted"*>

<li><a href=*"/"*

style="color:*rgb(108, 108,*

*108)*;text-decoration: *none*;">Home</a></li>

<li><a href=*"/aboutus"* style="color:*rgb(108, 108,*

*108)*;text-decoration: *none*;">About</a></li>

<li><a href=*"#"* style="color:*rgb(108, 108,*

*108)*;text-decoration: *none*;">Get started</a></li>

<li><a href=*"#"* style="color:*rgb(108, 108,*

*108)*;text-decoration: *none*;">FAQ</a></li>

</ul>

</div>

<div class=*"col-lg-2 col-md-6"*>

<h5 class=*"text-white mb-3"*>Customer Support</h5>

<ul class=*"list-unstyled text-muted"*>

<li><a href=*"#"* style="color:*rgb(108,*

*108, 108)*;text-decoration: *none*;">Telephone no:23155663</a></li>

<li><a href=*"#"* style="color:*rgb(108,*

*108, 108)*;text-decoration: *none*;">Watsapp no:9686750750</a></li>

<li><a href=*"#"*></a></li>

<li><a href=*"#"*></a></li>

</ul>

</div>

<div class=*"col-lg-4 col-md-6"* style="position: *relative*;left: *120px*;">

<h5 class=*"text-white mb-3"*>Delivery</h5>

<p class=*"small text-muted"*><li style="color:*rgb(108, 108,*

*108)*;">Increased customer satisfaction</li>

<li style="color:*rgb(108, 108, 108)*;">Free delivery costs</li>

<li style="color:*rgb(108, 108, 108)*;">Improved efficiency</li>

~~<li style="color:~~*~~rgb(108, 108,~~*

*108)*;">Enhanced reputation</li>

</p>

</div>

</form>

</div>

</div>

</div>

</footer>

</div>

</body>

</html>

**SignUp:**

<%@page import=*"com.protech.ifashion.dto.Customer"*%>

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-*

*8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html lang=*"en"*>

<head>

<meta charset=*"UTF-8"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*> <title>Document</title>

<style> *.cart*{ color: *black*; position: *relative*; left: *-20px*; textdecoration: *none*;

}

*#nav\_bar*{ width: *100vw*; height: *3em*; background-color: *rgb(55, 54, 54)*; display: *flex*; justify-content:

*end*; align-items: *center*;

}

*.cart*{ color: *rgb(33, 31, 31)*; font-size: *1em*; position: *relative*; left: *-5em*;

} /\* img:hover{

background-color: red;

} \*/

*.admin:hover*{

color: *red*;

}

\*{ margin:

*0*; padding:

*0*;

}

}

*#nav\_child1*{ width: *30%*; textalign: *center*;

} *#nav\_child2*{ width: *50%*; display: *flex*; justify-content: *space-between*; align-items: *center*; font-size: *1.3em*;

font-family: *'Times New Roman', Times, serif*;

}

*.nav\_child:hover*{ color: *red*; } *#nav\_child3*{ width: *20%*; display: *flex*;

justify-content: *end*;

}

*.head*{ display: *flex*; justify-content: *center*; align-items: *center*; height: *600px*; flex-direction: *row*; } **form**{ border: *2px solid*; /\* position: relative; left: 27em; top: 5em; \*/ width: *25em*; height: *33em*; /\* display: flex; justify-content: center; align-items: center; \*/ border-radius: *1em*;

background-color: *rgba(112,112,115,0.5)*; } **h1**{ height: *2em*; display: *flex*; justify-content: *center*; align-items: *center*; position:

*relative*; top: *-20.3px*; border-radius: *10px*;

/\* background-color: rgb(135, 141, 143); \*/ /\* text-align: center; border-topright-radius: 0.5em; border-top-left-radius: 0.5em; \*/

}

*.td1*{

text-align: *right*; position: *relative*;

/\* left: -1em; \*/

}

*.cancel*{

background-color: *red*; position: *relative*; left: *-4em*; top: *1.5em*; border: *white*; height: *2em*; width: *7em*; border-radius: *1em*;

}

*.reg*{

position: *relative*; left: *2em*;

background-color:*cornflowerblue*; border: *white*; height: *2em*; width: *7em*; top: *1em*; border-radius: *1em*; } **body**{ background-image:

*url("https://images.unsplash.com/photo1441984904996e0b6ba687e04?ixlib=rb-*

*4.0.3&ixid=M3wxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8fA%3D%3 D&auto=format&fit=crop&w=1170&q=80")*; backgroundrepeat: *no-repeat*; background-size: *100% 100vh*;

}

*::placeholder*{ position: *relative*; left: *10px*; }

**input**{ background-color: *#FBFFDC*;

}

</style>

</head>

<body>

<h1 id=*"successMessage"* style="color:*green*">${success}</h1>

<h1 id=*"failMessage"* style="color:*red*">${fail}</h1>

<script>

// Get the success and fail message elements **var** successMessage =

document.getElementById("successMessage");

**var** failMessage = document.getElementById("failMessage");

// Check if the success message exists and display it as a pop-up alert

**if** (successMessage.innerText !== "") { window.alert(successMessage.innerText); successMessage.style.display = "none"; // Hide the success message element

}

// Check if the fail message exists and display it as a pop-up alert

**if** (failMessage.innerText !== "") { window.alert(failMessage.innerText);

failMessage.style.display = "none"; // Hide the fail message element

}

</script>

${fail }

<div class=*"head"*>

<form action=*"/customer/signup"*method=*"post"*>

<h1 style="color: *#090580*;position: *relative*;top:

*10px*;">SignUp</h1>

<table cellspacing=*"20em"*>

<tr>

<td class=*"td1"*><label for=*"name"*><strong>First Name :</strong></label></td>

<td><input type=*"text"* name=*"fname"* id=*"name"* required

pattern=*"[A-Za-z]{3,32}"* placeholder=*"First*

*Name"*></td>

</tr>

<tr>

<td class=*"td1"*><label for=*"lname"*><strong>Last Name :</strong></label></td>

<td><input type=*"text"* name=*"lname"* id=*"lname"* required pattern=*"[A-Za-z]{3,32}"* placeholder=*"Last Name"*

></td>

</tr>

<tr>

<td class=*"td1"*><label for=*"mno"*><strong>Mobile No :</strong></label></td>

<td><input type=*"text"* name=*"mno"* id=*"mno"* placeholder=*"Mobile No"* required size=*"20"* pattern=*"[0-* *9]{10}"*></td>

</tr>

<tr>

<td class=*"td1"*><label for=*"email"*><strong> Email-Id :</strong></label></td>

<td><input type=*"email"* name=*"email"* id=*"email"* placeholder=*"Email-id"* required=*"required"*></td>

</tr>

<tr>

<td class=*"td1"*><label

for=*"pwd"*><strong>Password :</strong></label></td>

<td><input type=*"password"* name=*"pwd"* id=*"pwd"* placeholder=*"Password"* required=*"required"*></td>

</tr>

<tr>

<td class=*"td1"*><label for=*"address"*><strong> Address

</strong>:</label></td>

<td><input type=*"text"* id=*"address"* placeholder=*"Address"* name=*"address"*

required=*"required"*></td>

</tr>

<tr>

<td><button class=*"reg"* ><strong><a href=*"/jsp/Home.jsp"* style="text-decoration: *none*; color:

*white*;">Home</strong></a></button> </td>

<td><button class=*"reg"*><strong>Register</strong></button>

</td>

<!-- <a href="" >Forgot pasword?</a> -->

<td><button class=*"cancel"*><strong><a href=*""* style="text-

decoration: *none*;color: *white*;">Cancel</a></strong></button>

<a href=*""* style="position: *relative*; top: *3em*; left: *-1em*; text-decoration: *none*;font-size: *15px*;color:

*black*;">help?</a></td>

</table>

</form>

</div>

</body>

</html>

**Login:**

<%@page import=*"com.protech.ifashion.dto.Customer"*%>

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-*

*8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html lang=*"en"*>

<head>

<meta charset=*"UTF-8"*>

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge"*>

<meta name=*"viewport"* content=*"width=device-width, initial-scale=1.0"*> <title>Document</title>

<!-- <link rel="stylesheet" href="./pro.css">

<link rel="preconnect" href="https://fonts.googleapis.com">

<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin> <link

href="https://fonts.googleapis.com/css2?family=Open+Sans&displ

~~ay=s~~wap" rel="stylesheet"> --> <style> *.cart*{ color: *black*; position: *relative*; left: *-20px*; textdecoration: *none*;

} **a**{ font-family: *'Open Sans', sans-serif*; font-

weight: *400*; } **h1**{ font-family: *'Open Sans', sans-serif*; fontweight: *400*;

} *#nav\_bar*{ width: *100vw*; height: *3em*;

background-color: *rgb(55, 54, 54)*; display: *flex*; justify-content:

*end*; align-items: *center*;

} *.cart*{ color: *rgb(33,*

*31, 31)*; font-size:

*1em*; position:

*relative*; left: *-5em*;

} /\* img:hover{ background-color: red; } \*/

*.admin:hover*{

color: *red*;

}

\*{ margin:

*0*; padding:

*0*;

} *.admin*{ color: *white*; font-size: *1em*; position: *relative*; left: *3em*; } *#nav\_main*{ width: *100ew*; height: *6em*;

background-color: *rgb(255, 255, 255)*; display: *flex*; justify-content: *center*; align-items: *center*;

}

*#nav\_child1*{ width: *30%*; textalign: *center*;

}

*#nav\_child2*{ width: *50%*; display: *flex*;

justify-content: *space-between*; align-items: *center*; font-size:

*1.3em*;

font-family: *'Times New Roman', Times, serif*;

}

*.nav\_child:hover*{ color: *red*; }

*#nav\_child3*{ width: *20%*; display: *flex*;

justify-content: *end*;

} **h1**{

font-size: *50px*;

font-family:*'Times New Roman', Times, serif*; fontweight: *bolder*;

}

*#nav\_child3*{ width: *20%*; display: *flex*;

justify-content: *end*;

} **h1**{

font-size: *50px*;

font-family:*'Times New Roman', Times, serif*; fontweight: *lighter*;

}

*.container-fluid*{

background-image:*url(../image/prbgg.jpg)*;

/\* background-image: url(../image/1682498717547.jpg); background-repeat: no-repeat; background-size: cover; \*/ height: *500px*; display: *flex*; justifycontent: *center*; align-items: *center*; position:

*relative*; top: *100px*;

} *.tab*{

border: *2px solid black*; background-color: *white*; /\* background-image:

lineargradient(blue,red,orange,gree n); \*/

/\* border-radius: 10px; \*/

/\* display: flex; \*/

/\* justify-content: center; \*/ padding: *60px*; width: *100px*; height: *100px*; }

**input**[id="user"]

{

border-color: *black*; border-

width: *1px*; border-radius: *3px*; border-style: *solid*;

} **input**[id="pass"]

{

border-color: *black*; borderwidth: *1px*; border-radius: *3px*; border-style: *solid*;

} **input**[value="Submit"]

{

border-color: *blue*; border-width: *1px*; borderradius: *3px*; color: *black*;

} **body**{ background-image: *url("https://images.unsplash.com/photo-*

*1505022610485-0249ba5b3675?ixlib=rb-*

*4.0.3&ixid=M3wxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8fA%3D%3 D&auto=format&fit=crop&w=1170&q=80")*; background-repeat: *norepeat*; background-size: *100% 100vh*;

}

*::placeholder*{ position: *relative*; left: *10px*;

color: *rgb(151, 151, 151)*; font-

weight: *400*; }

</style>

</head>

<body>

<%Customer customer=(Customer)session.getAttribute("customer");

**if**(customer==**null**){

%>

<h1 id=*"successMessage"* style="color:*green*">${pass}</h1>

<h1 id=*"failMessage"* style="color:*red*">${fail}</h1>

<script>

// Get the success and fail message elements **var** successMessage =

document.getElementById("successMessage"); **var** failMessage = document.getElementById("failMessage"); // Check if the success message exists and display it as a pop-up alert

**if** (successMessage.innerText !== "") {

window.alert(successMessage.innerText); successMessage.style.display = "none"; // Hide the success message element

}

// Check if the fail message exists and display it as a pop-up alert

**if** (failMessage.innerText !== "") {

window.alert(failMessage.innerText);

failMessage.style.display = "none"; // Hide the fail

message element

}

</script>

<div class=*"container-fluid"*>

<form action=*"/customer/login"* method=*"post"* >

<table class=*"tab"* style="height: *500px*; width: *350px*; borderradius: *10px*;background-image: *lineargradient(to bottom right,white,rgb(60, 59, 59))*;" > <tr>

<th>

</th>

</tr>

<tr>

<th style="font-size: *20px*; fontstyle:*normal*;text-align: *center*;"> USER LOGIN

</th>

</tr>

<tr>

<td>

<h1 style="font-size:

*15px*;position: *relative*;top: *35%*;">USERNAME</h1>

</td>

</tr>

### <td>

<input type=*"text"* name=*"user"* id=*"user"* placeholder=*"Enter email/mobile"* style="width:

*250px*;position: *relative*;bottom: *15%*; height: *35px*;font-size:

*12px*;background-color:*lightgoldenrodyellow*;">

</td>

</tr>

<tr>

<td>

<h1 style="font-size:

*15px*;position: *relative*;bottom: *20%*;">PASSWORD</h1>

</td>

</tr>

<td>

<tr>

<td>

<input type=*"password"* name=*"password"* id=*"pass"* placeholder=*"Password"* style="width:

*250px*;position: *relative*;background- color:*lightgoldenrodyellow*;bottom: *45%*; height: *35px*;fontsize: *12px*;">

</td>

</tr>

<tr>

<td>

<button style="width: *50px*; height: *30px*; font-size: *15px*;position: *relative*;outline: *2px solid black*;bottom: *40%*;left: *8%*; background

*2px*;">LOGIN</button>

</td>

</tr>

<tr>

<td>

<a href=*""* style="position:

*relative*;left: *25%*;bottom: *50%*;color: *rgb(28, 25,*

*25)*;"><h4>Forgot Password</h4></a>

</td>

</form>

</div>

</tr>

<tr>

<td>

<hr>

</td>

</tr>

<tr>

<td>

<button style="width: *50px*; height: *30px*;

*#DFD7BF*;borderstyle: *none*;width: *200px*;border-radius: *2px*;"><a

</tr>

</table>

</body>

</html>

# CHAPTER6

## TESTING

Testing should be done through the implementation process. Even before and application is installed; it makes sense to verify that the basic platform is capable of achieving its design capabilities. System testing is a critical process. Testing is a process of executing a program with the explicit intention of finding errors that is making the program fail. This helps in finding the bottle neck in the system. Executing a program in a stimulated environment performs testing. The feedback from testing phase generally produces changes in the software to deal with errors and failures that are uncovered.

**6.1 BLACK BOX TESTING:**

In black box testing or functional testing test cases are decided. Test cases are decided on the basis of requirements or specifications of the program or module. Black box testing is done in the project to remove errors: ● Incorrect or missing function ● Interface errors.

* Errors in data structure or external database access.
* Behavioural or performance

**6.2 WHITE BOX TESTING:**

The White box testing or structural testing performs close operation of procedural details. They test the software logical path by having test cases exercising specific sets of condition and loops. White box testing is done in the project to remove errors:

* All modules path have been exercised at least once.
* Executed all loops at their boundaries and within their operational bounds.

### 6.3 LEVELS OF TESTING

#### Unit Testing

This is ideally our first level of testing software. How does it work? Here, specific lines of code, distinct functionalities, and desired procedures are isolated and tested. These lines of code, functionalities, and procedures are termed software units because they are combined to make up the software. They can also be referred to as components of the software.

#### Integration Testing

This testing level involves combining all the components that make up the software and testing everything as a whole instead of individually as done during unit testing. Also, from this level, tests can be split into functional and non-functional types.

#### System Testing

System testing has to do with verifying the required operations of the software and its compatibility with operating systems. In other words, we test both the technicalities and the business logic of the software; we run functional tests to check what the various functions of a system do, and non-functional tests to check how those functions work.

#### Acceptance Testing

This level of software testing is similar to the system testing, but here, the test is carried out by some selected end-users. This is the only software testing stage that is carried out by users. This stage determines if the software is finally ready to be launched to the general public.

### 6.4 TEST CASE OF PROJECT

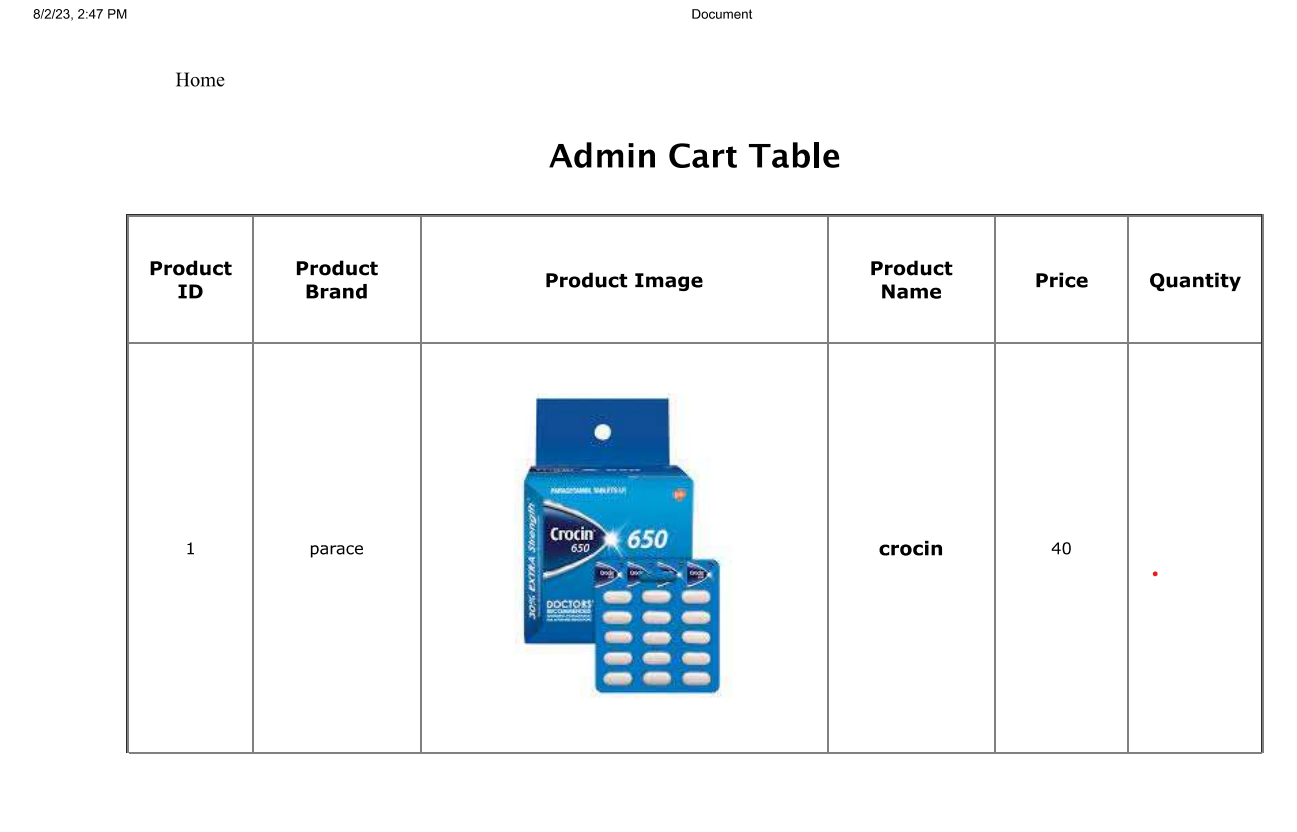
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl**  **No.** | **ACTION** | **INPUT** | **Expected Output** | **Actual Output** | **Test**  **Command** |
| 1 | Starts Project | - | Redirects to Login page | Redirected to login page | Pass |
| 2 | Enter Valid  Details for  Admin/user | Admin Id: admin Password: admin | Logs into the dashboard | Logged in | pass |
| 3 | Enter Invalid  Log in details for Admin/User | Username: admin Password: 123 | Invalid Admin Id or password | Invalid Admin Id or password | Pass |
| 4 | Home | Stay on home page | Stay on home page | Stay on home page | Pass |
| 5 | Sign Up | Enter all the  Required Details | Signup Successful | Signup  Successful | Pass |
| 6 | Enter Valid  Details for  Customer Login | Username: Aditya Password: 123 | Redirects to Home page | Redirect to Home page | Pass |
| 7 | Enter Invalid  Log in details for  Customer | Username: Sudhir Password: 123 | Redirected to Login Page | Redirected to  Login Page | Pass |
| 8 | Customer Products | Click on add to cart | Redirected to Products page | Redirected to products page | Pass |
| 9 | Click on Add to cart without Login | Click on add to cart | Login first to add the products, Redirects Products page | Login first to add the products, Redirects  Products page | Pass |
| 10 | Customer cart | Clicks on place order | Redirects to Payment page | Redirects to Payment page | Pass |
| 11 | Payment | Clicks on payments options | Redirects to billing page | Redirects to billing page | Pass |
| 12 | Admin Home | Clicks on Insert Products | Redirects to Insert page | Redirects to Insert page | Pass |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 13 | Admin Home | Click on Update products | Redirects to Update page | Redirects to Update page | Pass |
| 14 | Admin Home | Click on Delete products | Redirects to Delete page | Redirects to Delete page | Pass |
| 15 | Admin Home | Click on View all  Customers | Redirects to View all customers page | Redirects to View all customers page | Pass |
| 16 | Admin Home | Click on View all  Products | Redirects to View all Products page | Redirects to View all Products page | Pass |
| 17 | Customer  Logout | Click on logout | Logout successful, redirect to Home | Logout successful,  redirect to  Home page | Pass |
| 18 | Admin Logout | Click on logout | Logout successful, redirect to Home | Logout successful,  redirect to  Home page | Pass |
| 19 | Customer Cart | Clicks on delete button | Deletes the product successfully, redirects to customer cart page | Deletes the product successfully, redirects to customer cart page | Pass |
| 20 | Home | Enters the required product & clicks on Search button | Redirects to search page | Redirects to search page | Pass. |

# CHAPTER7

## RESULTS & REPORTS

1.



2.



# CHAPTER8

## CONCLUSION

This project helps user to buy things online named i Fashion (e-commerce website). The application mainly has two modules Admin and Customer. Admin can perform all the CRUD operations such as insert product, update product, delete product, view all products, view all customers. When it comes to customer module, customer can view all the products which they want to purchase and also they can add the products, view the cart and they can even delete it if needed. After adding the products to cart, customer can do the payment and the bill will be generated also the customer can print the bill if needed. But to perform all these operations the customer should compulsorily login.

In admin module Admin can access dashboard after logging in and perform operations such as adding the product , updating the product & deleting the product. In product it will have name , category , brand , price, image , quantity. Admin can view all the registered customers and also the session is validated i.e. admin should compulsorily login to use features/dashboard.

In customer module customer can view product without Creating any account. Suppose if he wants to purchase anything that is, if he clicks on add to cart it, will ask him to login first. To login he must create an account. By entering details Such as, name, mobile number, e-mail address, password, address. Once signed up, he Can The login using e-mail id and password. The e-mail & password will be validated in the backend and authorize Customer to use. Customer can now add an item to cart, remove an item from the cart and place order. After placing order, he can select any of the payment option and place the order. A bill will be generated and the customer can print if it is needed.

**CHAPTER9**

# FUTURE ENHANCEMENT

* Add Wishlist in products page.
* Add Wallet option.
* More security for the user details/credentials with password encryption.
* More efficiency in payment gateway.
* Will update the application more attractively to attract the users.
* Add a whole new module for outsiders to make payments via application.
* Will provide the OTP(One-Time-Password) option for the login for more reliability.

# CHAPTER10

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