UNIVERSITY COLLEGE OF ENGINEERING

SMART FASHION RECOMMENDER APPLICATION

A PROJECT REPORT

Submitted by

KEERTHANAA A (810019104033)

KRITHIKA I (810019104036)

LOGESHWARI R (810019104038)

MOHAMED UVAIS S (810019104042)

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ANNA UNIVERSITY : CHENNAI 600 025

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report **“SMART FASHION RECOMMEDERAPPLICATION”** is the Bonafide work of **KEERTHANAA (810019104033),KRITHIKA I (810019104036), LOGESHWARI R (810019104038),MOHAMED UVAIS S (810019104042)** who carried out the project work under my supervision.

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ABSTRACT

Fashion is perceived as a meaningful way of self-expressing that people use for different purposes. It seems to be an integral part of every person in modern societies, from everyday life to exceptional events and occasions. Fashionable products are highly demanded, and consequently, fashion is perceived as a desirable and profitable industry. Although this massive demand for fashion products provides an excellent opportunity for companies to invest in fashion-related sectors, it also faces different challenges in answering their customer needs.

In recent years, the textile and fashion industries have witnessed an enormous amount of growth in fast fashion. On e-commerce platforms, where numerous choices are available, an efficient recommendation system is required to sort, order, and efficiently convey relevant product content or information to users. Smart Fashion Recommender Application has attracted a huge amount of attention from fast fashion retailers as they provide a personalized shopping experience to consumers. Smart Fashion Recommender Application has been introduced to address these needs.

1. INTRODUCTION

1.1 PROJECT OVERVIEW

The Fashion industry is one of the larger industries around the world. One of the things that have remained constant throughout human civilization is humans covering their bodies with a piece of cloth. Initially, this cloth was worn as protection from the harsh climates of those ages. Later on, as we humans learned to fend for ourselves from the unforgiving climates, the cloth started to serve a differentpurpose. Fashion these days showcases the individuality of the person. There are many things that can be said about a person based on their fashion sense.

1.2PURPOSE

There is currently no existing system that is capable of recommending clothes based on the occasion. Different occasions call for different clothing. Moreover, a lot of fashion is based on the colour combinations of outfits. A person with no or littlefashion sense will have a hard time to decide on clothes that leave a lasting impression. The proposed Fashion Recommendation System is intended to be used by individual users in order to store images of the clothes that they own in what is called a digital wardrobe and also to get recommendations by the system on what clothes to wear for a given occasion. The main aim of the project is to recommend the most appropriate clothes for a given occasion based on the clothes existing in theuser's wardrobe to relieve the user of the burden of making decisions about what clothing to wear. Such a system should be capable of helping someone who has no fashion sense to wear clothes that leave a good impression on others. The system should be such that it is easily accessible and easy to take advantage of the various features that it provides. One of the features should be the ability to store images thatthe user uploads into a wardrobe. A wardrobe is a very useful entity that the user canuse to view and manage the images of clothes that they have uploaded. Another feature is the classification of the type and colour of the clothing that

is uploaded by the user. The system should be capable of handling the 4 basic clothing types: Shirt, T-Shirt, Pants and Shoes.

2.LITERATURE SURVEY

1) TITLE : A Review on the Literature of Fashion Recommender

2) AUTHOR : Angel Arul Jothi J and Razia Sulthana A.

ABSTRACT :Over the years, much research has been conducted on fashion recommendation systems. Different techniques such as image processing, machine learning, or deep learning have been incorporated in the recommendation systems. Online e-stores like Amazon, eBay, etc. customize fashion recommendation systems to satisfy the daily requirements of their customers. A number of different approaches are proposed to study the purchase pattern of the customers. This article reviews various works in fashion recommendations using deep learning that are published from 2016 to 2020. Researchers have used deep learning models distinctly or by pairing with other machine learning models in building the recommendation system. The manuscript provides a brief description of the persuading deep learning models that own a place in recommendation systems.

2)TITLE : Fashion Recommendation Systems, Models and Methods: A Review

AUTHORS : Samit Chakraborty ,Md. Saiful Hoque , Naimur Rahman Jeem ,Manik Chandra Biswas , Deepayan Bardhan and Edgar Lobaton

ABSTRACT :In recent years, the textile and fashion industries have witnessed an enormous amount of growth in fast fashion. On e-commerce platforms, where numerous choices are available, an efficient recommendation system is required to sort, order, and efficiently convey relevant product content or information to users. Image-based fashion recommendation systems (FRSs) have attracted a huge amount of attention from fast fashion retailers as they provide a personalized shopping experience to consumers. With the technological advancements, this branch of artificial intelligence exhibits a tremendous amount of potential in image processing, parsing, classification, and segmentation. Despite its huge potential, the number of academic articles on this topic is limited. The available studies do not provide a rigorous review of fashion recommendation systems and the corresponding filtering techniques. To the best of the authors' knowledge, this is the first scholarly article to review the state-of-the-art fashion recommendation systems and the corresponding filtering techniques. In addition, this review also explores various potential models that could be implemented to develop fashion recommendation systems in the future. This paper will help researchers, academics, and practitioners who are interested in machine learning, computer vision, and fashion retailing to understand the characteristics of the different fashion recommendation systems

. 3)TITLE :Smart Fashion: A Review of AI Applications in Virtual Try-On & Fashion Synthesis

AUTHORS : Seyed Omid Mohammadi , Ahmad Kalhor

ABSTRACT : The rapid progress of computer vision, machine learning, and artificial intelligence combined with the current growing urge for online shopping systems opened an excellent opportunity for the fashion industry. As a result, many studies worldwide are dedicated to modern fashion related applications such as virtual try-on and fashion synthesis. However, the accelerated evolution speed of the field makes it hard to track these many research branches in a structured framework. This paper presents an overview of the matter, categorizing 110 relevant articles into multiple sub-categories and varieties of these tasks. An easy-to-use yet informative tabular format is used for this purpose. Such hierarchical application-based multi-label classification of studies increases the visibility of current research, promotes the field, provides research directions, and facilitates access to related studies

4)TITLE : A Review on Clothes Matching and Recommendation Systems based on user Attributes AUTHORS : Atharv Pandit , Kunal Goel , Manav Jain , Neha Katre

ABSTRACT :Dressing appropriately is very important when going out in the real world. Wearing clothes properly that show some level of style and wearing them such that they adhere to the norms of social standards uplifts the confidence of the person and creates a very good impression. The study focuses on helping the user to find optimized matching pair of clothes taking into account intricate details like style, patterns, colors, textures, etc. also keeping in mind users attributes like age, skin tone, favorite color etc. It aims to help the user choose clothes that are fashionable and organize their closet. It tries to help the user to wear clothes that are suitable for occasions and helps users to buy clothes that would suit their style. In this paper, an in depth study is performed of various systems that are developed for the various features that must be kept in mind for making a robust system that finds matching clothes of the user as well as makes recommendations. Systems developed to make recommendations of clothes using various approaches have been studied and their merits and demerits high-lighted. Systems that are used for clothes detection have also been studied to make the system user- friendly while the user provides input.

5)Title: Fashion evaluation method for clothing recommendation based on weak appearance feature

Authors: Mr. Yan Zhang and Mr. Xiang Liu Published date:2017

Content: It proposed a method that evaluates the fashion level of an individual using weak appearance feature to evaluate fashion level. The proposed methodology put forward three major aspects of weak appearance to characterize fashion levels. It creates the first table as customer fashion level classification which characterized individuals based on the fashion level. The aim of this is to provide objective clothing recommendations to the customer. Then it creates the second table as a garment fashion level classification which is based on data from fashion designers, buyers, vendors, and producers. Then it extracts some features like the shape of the face, eyebrows placing, makeup, hair colour, accessories, etc.

Finally, the customer's fashion level can be characterized by "support vendor product". It has a great impact on clothing recommendation system, sometimes recommend lower level fashion.

6)Title: A case study on recommendation systems based on big data

Authors: M. Sandeep Kumar and j. Prabhu Published date:2019

Content: Recommender systems mainly utilize for finding and recover contents from large datasets; it has been determining and analysis based on the scenario—big data. In this paper, we describe the process of recommendation system using big data with a clear explanation in representing the operation of mapreduce. We demonstrate the various stage of recommendation namely data collection rating, types of filtering. Analysis scenario based drug recommender system, it consists of three components namely drug storage, cloud server, and recommender server. The system is evaluating with specific parameters like fscore, precision, and recall. Finally, we describe the challenge of recommendation systems like data sparsity, cold start, sentimental analysis and no surprise.

2.1 EXISTING PROBLEM

In existing system only simple web application and their rating has been implemented in existing system, An ecommerce product recommendation engineis a piece of technology that displays recommended products to shoppers throughout your store. It uses machine learning to get smarter and show increasingly relevant products to shoppers based on their interests and previous browsing behavior.

2.2References

: 1 .Liu,Si;Nguyen,Tam;Feng,Jiashi;Wang,Meng; andYan,Shuicheng, "Hi,MagicCloset,TellMeWhat toWear!" (2012).InComputer Science Faculty Publications. Paper 66

2 .Paisios, Nektarios, L. Subramanian, and A. Rubinsteyn. "Choosing which clothes to wear confidently: A tool for pattern matching."(2012) In Workshop on Frontiers in Accessibility for Pervasive Computing. ACM.

3.https://www.researchgate.net/publication/353485380_Fashion_Re commen dation_Systems_Models_and_Methods_A_Review.

2.3 PROBLEM STATEMENT DEFINITION

The personal information collected by recommenders raises the risk of unwanted exposure of that information. Also, malicious users can bias or sabotage the recommendations that are provided to other users. In recent years,the textile and fashion industries have witnessed an enormous amount of growth in fast fashion. On e-commerce platforms, where numerous choices are available, an efficient recommendation system is required to sort, order, and efficiently convey relevant product content or information to users.

- The problem of the work is to design static web applications deployments with customer deployment
- Lack of interaction between application and user
- User need to navigate across multiple pages to choose right product
- Confusion in choosing product
- Lack of sales
- Complex User Interface.

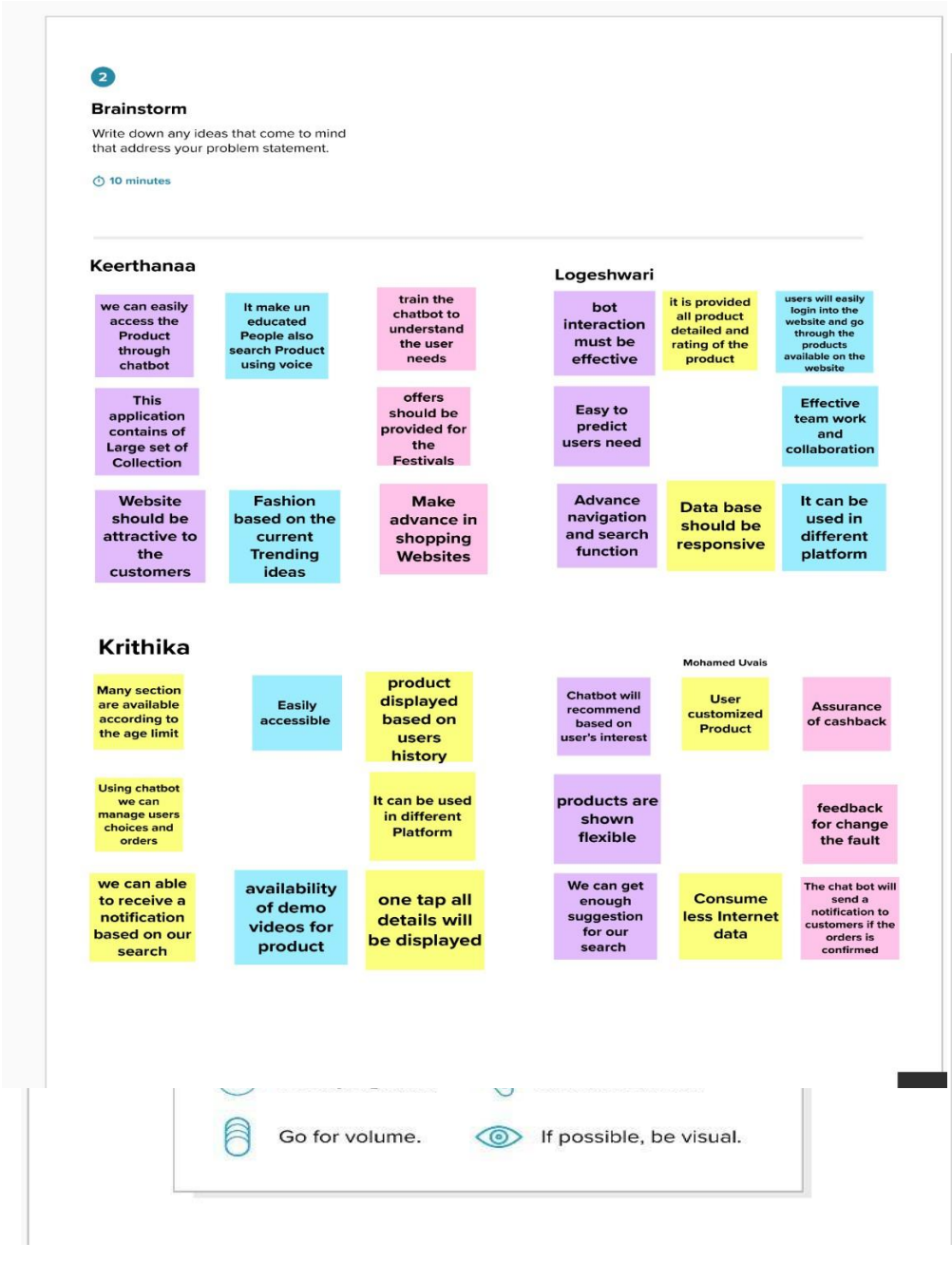
3. IDEATION & PROPOSED SOLUTION

3.1Ideation & Brainstorming

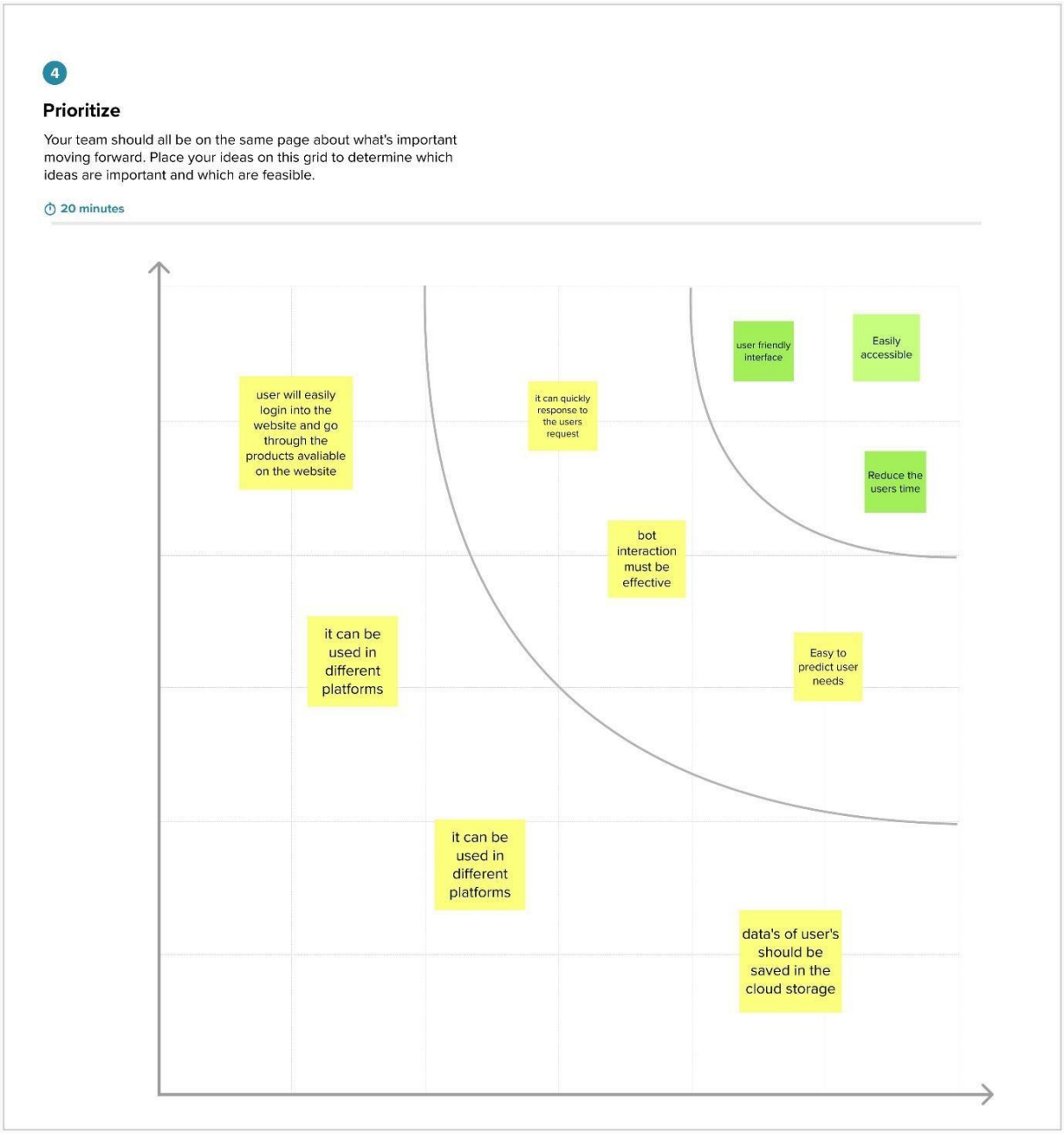
Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Use this template in your own brainstorming sessions so your team can unleash their imaginationand start shaping concepts even if you're not sitting in the same room.

Step-1: Team Gathering, Collaboration and Select the Problem Statement



Step-2: Idea Prioritization

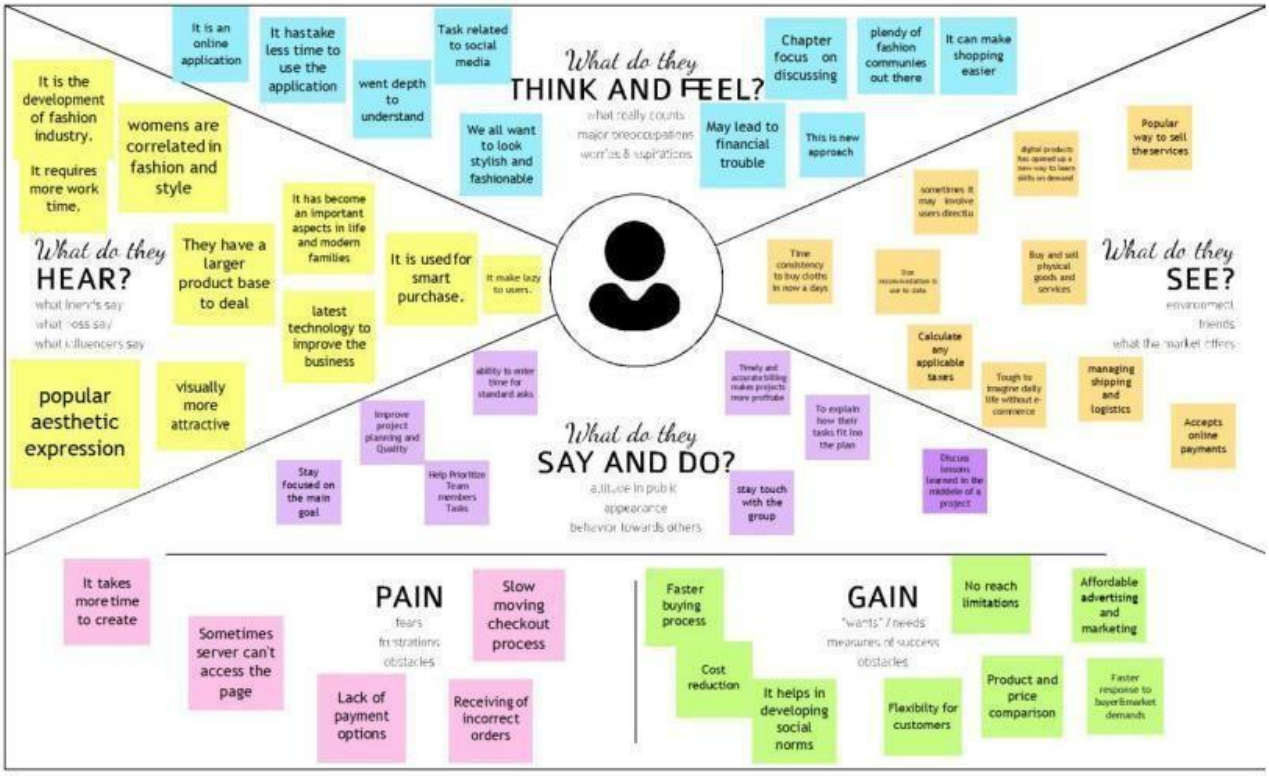


3.2 Empathy Map Canvas:

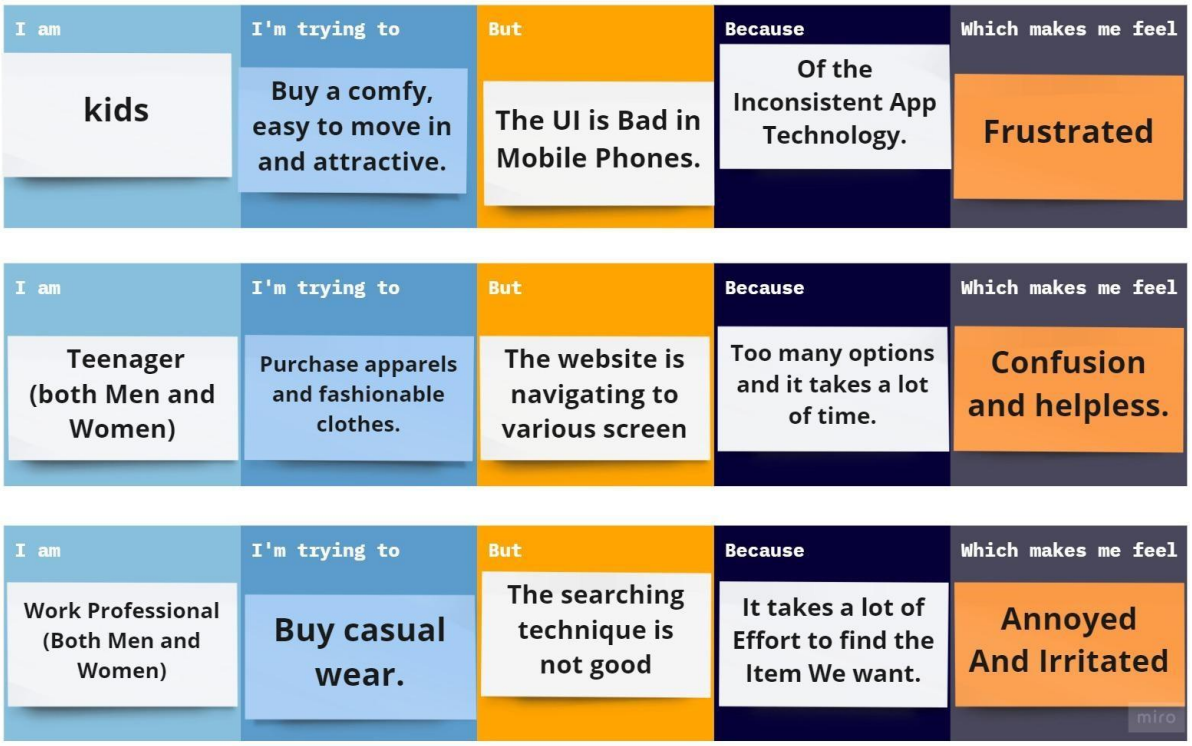
An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviours and attitudes.It is a useful tool to helps teams better understand their users . Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along withhis or her goals and challenges.

EMPATHY MAP:

Smart fashion recommender application



3.3 **Problem Statement**



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Kids	buy a comfy, easy to move in and attractive.	The UI is Bad in Mobile Phones.	Of the Inconsistent App Technology.	Frustrated
PS-2	Teenager (both men and women)	Purchase apparels and fashionable clothes.	The website is navigating to variou s screen	Too many options and it takes a lot of time.	Confusion and helpless
PS-3	Working Professional (both men and women)	Buy casual wear.	The searching technique is not good	It takes a lot of Effort to find the Item We want.	Annoyed And Irritated

4. REQUIREMENT ANALYSIS

4.1 FUNCTIONAL REQUIREMENTS:

FR No.	Functional Requirements	Sub Registration
FR1	Registration	Registration can be done using mobile number or gmail and needed some user information
FR2	Login	User only log in by user id and password, Which is given during registration
FR3	Delivery confirmation	Confirmation via email and phone number
FR-4	Assistance	Bot is integrated with the application to make the usability simple

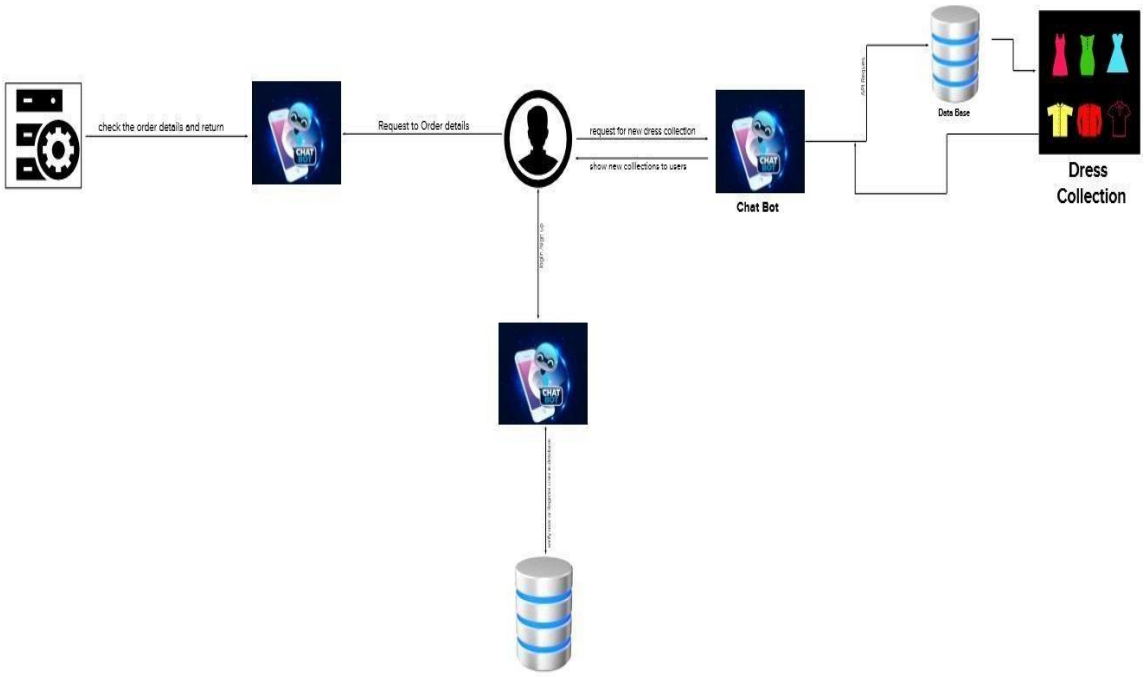
4.2 Non-Functional Requirements:

Following are the Non-Functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	A user-friendly interface with chat bot to make usability efficient
NFR-2	**Security**	Secured connection HTTPS should be established for transmitting requests and responses
NFR-3	**Reliability**	The system should handle excepted as well as unexpected errors and exceptions to avoid termination of the program
NFR-4	**Performance**	The system shall be able to handle multiple requests at any given point in time and generate an appropriate response.
NFR-5	**Availability**	It is a cloud based web application so user can access without any platform limitations ,just using a browsers with a internet connection is enough for use the application
NFR-6	**Scalability**	It has a quick request and response time, high throughput, enough network resources and so on.

5. PROJECT DESIGN

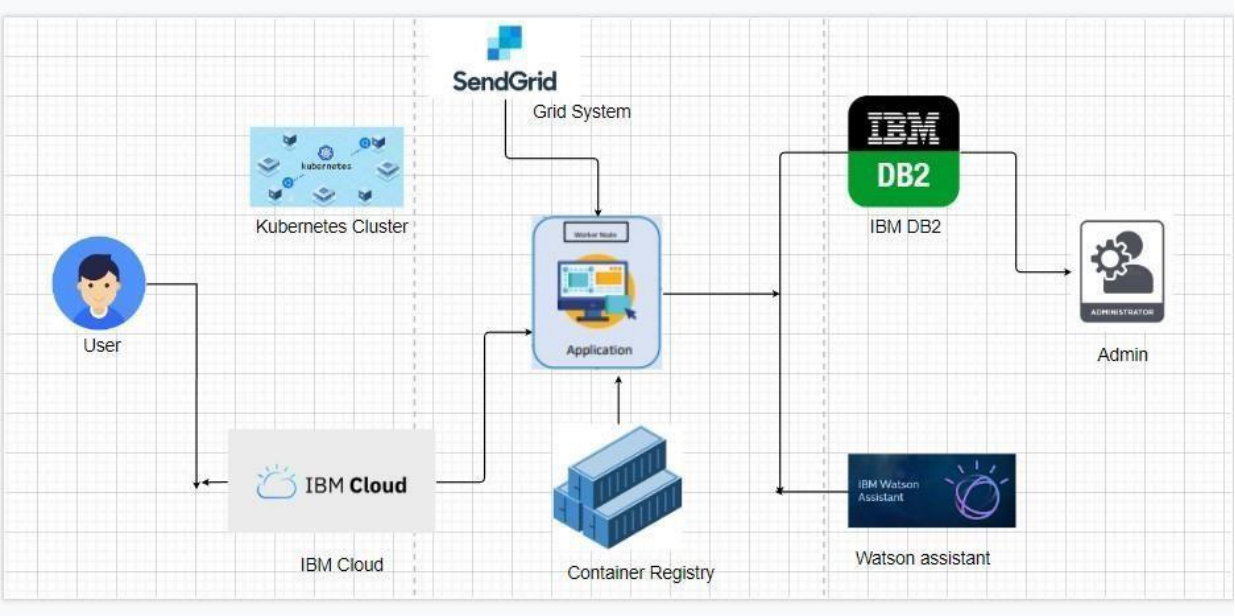
5.1 Data flow diagram :



5.2 User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	I
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	H
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	H
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	L
		USN-4	As a user, I can register for the application through Gmail		M
	Login	USN-5	As a user, I can log into the application by entering email & password	I can access and make purchases.	H
	Dashboard				
Customer (Web user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	H
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	H
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	L
		USN-4	As a user, I can register for the application through Gmail		M
		USN-5	As a user, I can log into the application by entering email & password	I can access and make purchases.	H
Administrator	Login	USN-1	I enter my mail and password on organisation's approval	I can approve products and purchases	H

5.2 Technical Architecture



6.PROJECT PLANNING &SCHEDULING

6.1Sprint Planning &estimation &sprint delivery schedule &Report

Login page:

```
        <!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>
      p{
         background-image: url('ab image.jpeg');
      }
   </style>
   <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
   <link rel="stylesheet" href="../css/style.css">
</head>
<body background="C:\Users\Rakesh\Desktop\Ass\img\img2.jpg"style="background-size: cover;">
   <section id="header">
      <a href="#"><img src="https://teamys-assignment.s3.jp-tok.cloud-object-
storage.appdomain.cloud/blueberry.jpg" class="logo.png3" alt="" width="250" height="120"></a>


      <div>
         <ul id="navbar">
            <li><a class="active" href="index.html">Home</a></li>
            <li><a href="products.html">Products</a></li>
            <li><a href="sign up.html">Register</a></li>
            <li><a href="about.html">About</a></li>
            <li><a href="contact.html">Contact</a></li>
            <li><a href="cart.html"><i class="fa fa-shopping-bag"></i></a></li>
            <li><a href="register.html"><i class="fa fa-user-secret"></i></a></li>
         </ul>
   </section>
   <h1 style="text-align: center;">About us</h1>
   <p style="font-family: Verdana, Geneva, Tahoma, sans-serif;font-size: large;"><i><q>Retailers
worldwide have started deploying smart service innovations in their stores to regain market
      share lost to online competitors. Against this backdrop, this paper focuses on the design of product
      recommendation systems for fashion stores. Our research particularly aims at answering the issues
of
      whether and to what extent<b> (i) the sensing capabilities of smart fashion retail environments and
(ii) the
      integration of contextual information can improve the quality of such recommendations</b>. To this
end,
      we consider smart fitting rooms with the ability to detect products and customers as a showcase; a
      transaction dataset from a leading German fashion retailer; and contextual information about the
time
      of purchase, the store type, and the weather conditions. Our preliminary analyses indicate that
sensor
      information regarding garment and user identification,<U> as well as further context data help to
improve
      product recommendations in fashion stores.</i></q></u>
```

```
    </p>
    <footer class="section-p1">
      <div class="col">
        <a href="#"><img src="https://teamys-assignment.s3.jp-tok.cloud-object-
storage.appdomain.cloud/blueberry.jpg" class="logo.png3" alt="" width="250" height="120"></a>

        <h4>Contact</h4>
        <p><strong>E-Mail: </strong>blueberry@gmail.com</p>
        <p><strong>Phone: </strong>1234567890</p>
        <div class="follow">
          <h4>Follow us</h4>
          <div class="icon">
            <i class="fa fa-facebook-f"></i>
            <i class="fa fa-twitter"></i>
            <i class="fa fa-instagram"></i>
            <i class="fa fa-pinterest-p"></i>
            <i class="fa fa-youtube"></i>
          </div>
        </div>
      </div>

      <div class="col">
        <h4>About</h4>
        <a href="#">About us</a>
        <a href="#">Delivery Information</a>
        <a href="#">Privacy Policy</a>
        <a href="#">Tearms & Conditions</a>
        <a href="#">Contact us</a>
      </div>

      <div class="col">
        <h4>My Account</h4>
        <a href="#">Sign In</a>
        <a href="#">View Cart</a>
        <a href="#">My Wishlist</a>
        <a href="#">Track my order</a>
        <a href="#">Help</a>
      </div>

    </footer>
      <div class="copyright">
        <center><p>Smart Fashion Recommender Application </p></center>
      </div>




    <script src="script.js"></script>
    <script>
      window.watsonAssistantChatOptions = {
       integrationID: "25c96cad-19d7-4211-ad67-af978d63f02c", // The ID of this integration.
       region: "au-syd", // The region your integration is hosted in.
       serviceInstanceID: "907600f1-e9b2-4199-9428-dcec6ffa0620", // The ID of your service instance.
       onLoad: function(instance) { instance.render(); }
      };
      setTimeout(function(){
       const t=document.createElement('script');
       t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
       document.head.appendChild(t);
```

```
        });
      </script>


</body>
</html>
```

CART:

```
<!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>Cart</title>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
  <link rel="stylesheet" href="https://rakesh87.s3.us-east.cloud-object-storage.appdomain.cloud/style.css">
</head>

<body>

  <section id="header">
    <a href="#"><img src="https://teamys-assignment.s3.jp-tok.cloud-object-storage.appdomain.cloud/blueberry.jpg" class="logo.png3" alt="" width="250" height="120"></a>


    <div>
      <ul id="navbar">
        <li><a class="active" href="index.html">Home</a></li>
        <li><a href="products.html">Products</a></li>
        <li><a href="sign up.html">Register</a></li>
        <li><a href="about.html">About</a></li>
        <li><a href="contact.html">Contact</a></li>
        <li><a href="cart.html"><i class="fa fa-shopping-bag"></i></a></li>
        <li><a href="register.html"><i class="fa fa-user-secret"></i></a></li>
      </ul>
  </section>

  <section id="page-header" class="about-header">
    <h2>#Cart</h2>
    <p>Add your coupon code & SAVE upto 70%!</p>
  </section>

  <section id="cart" class="section-p1">
    <table width="100%">
      <thead>
        <tr>
          <td>Remove</td>
          <td>Image</td>
          <td>Product</td>
          <td>Price</td>
          <td>Quantity</td>
          <td>Subtotal</td>
        </tr>
      </thead>
      <tbody>
        <tr>
```

```
            <td><i class=" fa fa-circle" ></i></td>
            <td><img src="./dress/shirt1.jpg" alt=""></td>
            <td>Men black anad blue fannel shirt</td>
            <td>₹1000</td>
            <td><input type="number" value="1"></td>
            <td>₹1000</td>
          </tr>
          <tr>
            <td><i class=" fa fa-circle" ></i></td>
            <td><img src="https://saravanan2001mohan.s3.us-east.cloud-object-
storage.appdomain.cloud/oo%20(1).jpg" alt=""></td>
            <td>Men's hoodie jacket</td>
            <td>₹1500</td>
            <td><input type="number" value="1"></td>
            <td>₹1500</td>
          </tr>
          <tr>
            <td><i class=" fa fa-circle" ></i></td>
            <td><img src="https://s3.jp-tok.cloud-object-storage.appdomain.cloud/unik/pro-shoe1.jpg"
alt=""></td>
            <td>Leather Shoe-Brown</td>
            <td>₹9800</td>
            <td><input type="number" value="1"></td>
            <td>₹9800</td>
          </tr>
        </tbody>
      </table>
    </section>

    <section id="cart-add" class="section-p1">
      <div id="coupon">
        <h3>Apply Coupon</h3>
        <div>
          <input type="text" placeholder="Enter your Coupon">
          <button class="normal" >Apply</button>
        </div>
      </div>

      <div id="subtotal">

        <h3>Cart Total</h3>
        <table>
          <tr>
            <td>Cart Subtotal</td>
            <td>12300</td>
          </tr>
          <tr>
            <td>Shipping</td>
            <td>Free</td>
          </tr>
          <tr>
            <td><strong>Total</strong></td>
            <td><strong>12300</strong></td>
          </tr>
        </table><br>
        <button class="normal">Proceed to checkout</button>
      </div>

    </section>
```

```
    <footer class="section-p1">
        <div class="col">
            <a href="#"><img src="https://teamys-assignment.s3.jp-tok.cloud-object-
storage.appdomain.cloud/blueberry.jpg" class="logo.png3" alt="" width="250" height="120"></a>

            <h4>Contact</h4>
            <p><strong>E-Mail: </strong>blueberry@gmail.com</p>
            <p><strong>Phone: </strong>1234567890</p>
            <div class="follow">
                <h4>Follow us</h4>
                <div class="icon">
                    <i class="fa fa-facebook-f"></i>
                    <i class="fa fa-twitter"></i>
                    <i class="fa fa-instagram"></i>
                    <i class="fa fa-pinterest-p"></i>
                    <i class="fa fa-youtube"></i>
                </div>
            </div>
        </div>

        <div class="col">
            <h4>About</h4>
            <a href="#">About us</a>
            <a href="#">Delivery Information</a>
            <a href="#">Privacy Policy</a>
            <a href="#">Tearms & Conditions</a>
            <a href="#">Contact us</a>
        </div>

        <div class="col">
            <h4>My Account</h4>
            <a href="#">Sign In</a>
            <a href="#">View Cart</a>
            <a href="#">My Wishlist</a>
            <a href="#">Track my order</a>
            <a href="#">Help</a>
        </div>

    </footer>
        <div class="copyright">
            <center><p>Smart Fashion Recommender Application </p></center>
        </div>



    <script src="script.js"></script>

</body>

</html>
Contact:
<!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>Blue Berry Shoppe</title>
```

```
   <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
   <link rel="stylesheet" href="../css/style.css">
   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi" crossorigin="anonymous">
   <style>
      .forms{
         padding: 1000px;
         margin: 1000px;
         text-align: center;
         line-height: 300px;
      }
   </style>
</head>

<body>

   <section id="header">
      <a href="#"><img src="https://teamys-assignment.s3.jp-tok.cloud-object-storage.appdomain.cloud/blueberry.jpg" class="logo.png3" alt="" width="250" height="120"></a>


      <div>
         <ul id="navbar">
            <li><a class="active" href="index.html">Home</a></li>
            <li><a href="products.html">Products</a></li>
            <li><a href="sign up.html">Register</a></li>
            <li><a href="about.html">About</a></li>
            <li><a href="contact.html">Contact</a></li>
            <li><a href="cart.html"><i class="fa fa-shopping-bag"></i></a></li>
            <li><a href="register.html"><i class="fa fa-user-secret"></i></a></li>
         </ul>
   </section>


   <form  id="forms">
      <!-- Email input -->
      <div class="mb-2">
         <input type="text" id="form2Example1" class="form-control" />
         <label class="form-label" for="form2Example1">Name</label>
       </div>
      <div class="mb-2">
         <input type="email" id="form2Example1" class="form-control" />
         <label class="form-label" for="form2Example1">Email address</label>
       </div>

       <div class="mb-2">
         <textarea name="" id="" cols="15" rows="3" id="form2Example1" class="form-control"></textarea>

         <label class="form-label" for="form2Example1">Message</label>

       </div>



      <!-- 2 column grid layout for inline styling -->
      <div class="row mb-4">
```

```
        <div class="col d-flex justify-content-center">
        <div class="col">
       <!-- Submit button -->
       <button type="button" class="btn btn-primary btn-block mb-4">Submit</button>


       </div>
      </form>
     <!-- JavaScript Bundle with Popper -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js"
integrity="sha384-OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3"
crossorigin="anonymous"></script>



   <footer class="section-p1">
      <div class="col">
         <a href="#"><img src="https://teamys-assignment.s3.jp-tok.cloud-object-
storage.appdomain.cloud/blueberry.jpg" class="logo.png3" alt="" width="250" height="120"></a>

         <h4>Contact</h4>
         <p><strong>E-Mail: </strong>blueberry@gmail.com</p>
         <p><strong>Phone: </strong>1234567890</p>
         <div class="follow">
            <h4>Follow us</h4>
            <div class="icon">
               <i class="fa fa-facebook-f"></i>
               <i class="fa fa-twitter"></i>
               <i class="fa fa-instagram"></i>
               <i class="fa fa-pinterest-p"></i>
               <i class="fa fa-youtube"></i>
            </div>
         </div>
      </div>

      <div class="col">
         <h4>About</h4>
         <a href="#">About us</a>
         <a href="#">Delivery Information</a>
         <a href="#">Privacy Policy</a>
         <a href="#">Tearms & Conditions</a>
         <a href="#">Contact us</a>
      </div>

      <div class="col">
         <h4>My Account</h4>
         <a href="#">Sign In</a>
         <a href="#">View Cart</a>
         <a href="#">My Wishlist</a>
         <a href="#">Track my order</a>
         <a href="#">Help</a>
      </div>

   </footer>
       <div class="copyright">
          <center><p>Smart Fashion Recommender Application </p></center>
       </div>
```

```
   <script src="script.js"></script>
   <script>
      window.watsonAssistantChatOptions = {
        integrationID: "25c96cad-19d7-4211-ad67-af978d63f02c", // The ID of this integration.
        region: "au-syd", // The region your integration is hosted in.
        serviceInstanceID: "907600f1-e9b2-4199-9428-dcec6ffa0620", // The ID of your service instance.
        onLoad: function(instance) { instance.render(); }
      };
      setTimeout(function(){
        const t=document.createElement('script');
        t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
        document.head.appendChild(t);
      });
    </script>

</body>
HOME:
<!DOCTYPE html>
<html lang="en">

<head>
   <title>Home</title>
   <!-- Connect Bootstrap -->
   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet"
/>
</head>

<body background="C:\Users\Rakesh\Desktop\Ass\img\img1.jpg" style="background-size: cover;">
   <!-- NAVBAR -->
   <nav class="navbar navbar-expand bg-light">
      <div class="container-fluid">
         <a class="navbar-brand" href="./"> <strong>Smart Fashion Recommender Application</strong>
</a>
         <ul class="navbar-nav ms-auto mb-2 mb-lg-0">
            <li class="nav-item">
               <a class="nav-link active" href="/">Home</a> </li>
            <li class="nav-item">
               <a class="nav-link active"
               href='C:\Users\Rakesh\Desktop\Ass\about.html'>About Us</a> </li>
            <li class="nav-item">
            <a class="nav-link active"
            href="C:\Users\Rakesh\Desktop\Ass\signin.html">Signin</a> </li>
            <li class="nav-item">
               <a class="nav-link active"
                href="C:\Users\Rakesh\Desktop\Ass\signup.html">Signup</a> </li>
         </ul>
      </div>
   </nav>
   <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"></script>
<br/>
<h1 style="text-align: center;color: rgb(87, 0, 250);">Smart Fashion Recommender Application</h1>
<p align="center" style="padding: 5rem;color: rgb(0, 255, 255); font-weight: 900; font-size:60px;
font">Welcome to Smart Fashion Recommender Application.</p>
</body>
</html>
INDEX:
<!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>Blue Berry Shoppe</title>
   <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
   <link rel="stylesheet" href="../css/style.css">
</head>

<body>

   <section id="header">
      <a href="#"><img src="https://teamys-assignment.s3.jp-tok.cloud-object-
storage.appdomain.cloud/blueberry.jpg" class="logo.png3" alt="" width="250" height="120"></a>


      <div>
         <ul id="navbar">
            <li><a class="active" href="index.html">Home</a></li>
            <li><a href="products.html">Products</a></li>
            <li><a href="sign up.html">Register</a></li>
            <li><a href="about.html">About</a></li>
            <li><a href="contact.html">Contact</a></li>
            <li><a href="cart.html"><i class="fa fa-shopping-bag"></i></a></li>
            <li><a href="register.html"><i class="fa fa-user-secret"></i></a></li>
         </ul>
   </section>

   <section id="hero">
      <h4>"MAKE EVERY OUTFIT PERFECT"</h4>
      <h2>Smart Fashion Recommender</h2>
      <h1>Blue Berry Shoppe</h1>
      <p>TAKE A WHILE AND MAKE YOU STYLE</p>
      <button class="normal">Shop now</button>
   </section>

   <section id="feature" class="section-p1">
      <div class="fe-box">
         <img src="https://unik.s3.jp-tok.cloud-object-storage.appdomain.cloud/freeship.png" alt=""
width="100" height="100">
         <h6>Free Shipping</h6>
      </div>
      <div class="fe-box">
         <img src="https://unik.s3.jp-tok.cloud-object-storage.appdomain.cloud/orderonline.jpg" alt=""
width="100" height="100">
         <h6>Online Order</h6>
      </div>
      <div class="fe-box">
         <img src="https://unik.s3.jp-tok.cloud-object-storage.appdomain.cloud/savemoney.jpg" alt=""
width="100" height="100">
         <h6>Save Money</h6>
      </div>
      <div class="fe-box">
         <img src="https://unik.s3.jp-tok.cloud-object-storage.appdomain.cloud/promotion.jpg" alt=""
width="100" height="100">
         <h6>Promotions</h6>
      </div>
      <div class="fe-box">
```

```
        <img src="https://unik.s3.jp-tok.cloud-object-storage.appdomain.cloud/happysell.jpg" alt=""
width="100" height="100">
        <h6>Happy Sell</h6>
      </div>
      <div class="fe-box">
        <img src="https://unik.s3.jp-tok.cloud-object-storage.appdomain.cloud/support.jpg" alt=""
width="100" height="100">
        <h6>F24/7 Support</h6>
      </div>
    </section>

    <section id="product1" class="section-p1">
      <h2>Featured Product</h2>
      <p>New Collections New Modern Designs</p>
      <div class="pro-container">
        <div class="pro">
          <img src="./dress/shirt1.jpg" alt="" >
          <div class="des">
            <span>Attitude</span>
            <h5>Red and blue fannel shirt</h5>
            <div class="star">
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
            </div>
            <h4>₹899</h4>
          </div>
          <a href="cart.html"><i class="fa fa-shopping-bag bag"></i></a>
        </div>
        <div class="pro">
          <img src="./dress/shirt2.jpg" alt="">
          <div class="des">
            <span>U.S.Polo Assnn</span>
            <h5>Blue flanel Shirts</h5>
            <div class="star">
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
            </div>
            <h4>₹1545</h4>
          </div>
          <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
        </div>
        <div class="pro">
          <img src="./dress/shirt3.jpg" alt="">
          <div class="des">
            <span>Zara</span>
            <h5>black jean shirt</h5>
            <div class="star">
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
            </div>
            <h4>₹999</h4>
```

```
    </div>
    <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
  </div>
  <div class="pro">
     <img src="./dress/shirt4.jpg" alt="">
     <div class="des">
        <span>Ruralking</span>
        <h5>Checked T-Shirts</h5>
        <div class="star">
           <i class="fa fa-star"></i>
           <i class="fa fa-star"></i>
           <i class="fa fa-star"></i>
           <i class="fa fa-star"></i>
           <i class="fa fa-star"></i>
        </div>
        <h4>₹2000</h4>
     </div>
     <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
  </div>
  <div class="pro">
     <img src="./dress/saree2.jpg" alt="">
     <div class="des">
        <span>Banarasi</span>
        <h5>Georgette Bandhani Rama Blue  Saree</h5>
        <div class="star">
           <i class="fa fa-star"></i>
           <i class="fa fa-star"></i>
           <i class="fa fa-star"></i>
           <i class="fa fa-star"></i>
           <i class="fa fa-star"></i>
        </div>
        <h4>₹5,000</h4>
     </div>
     <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
  </div>
  <div class="pro">
     <img src="./dress/saree1.jpg" alt="">
     <div class="des">
        <span>Banarasi</span>
        <h5>Banarasi Silk Maroon Saree</h5>
        <div class="star">
           <i class="fa fa-star"></i>
           <i class="fa fa-star"></i>
           <i class="fa fa-star"></i>
           <i class="fa fa-star"></i>
           <i class="fa fa-star"></i>
        </div>
        <h4>₹6000</h4>
     </div>
     <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
  </div>
  <div class="pro">
     <img src="./dress/saree3.jpg" height="400" alt="">
     <div class="des">
        <span>Banarasi</span>
        <h5>Banarasi Silk Saree</h5><br>
        <div class="star">
           <i class="fa fa-star"></i>
           <i class="fa fa-star"></i>
           <i class="fa fa-star"></i>
```

```
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
              </div>
              <h4>₹5000</h4>
            </div>
            <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
          </div>
          <div class="pro">
            <img src="./dress/saree4.jpg"height="400" alt="">
            <div class="des">
              <span>Banarasi</span>
              <h5>Banarasi Silk Jaal pink Saree</h5><br>
              <div class="star">
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
                <i class="fa fa-star"></i>
              </div>
              <h4>₹7000</h4>
            </div>
            <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
          </div>
    </div>
</section>

<section id="banner" class="section-m1">
    <h4>Repair Services</h4>
    <h2>Up to <span>70% off</span> All t-Shirts & Accessories</h2>
    <a href="products.html"><button class="normal">Explore More</button></a>
</section>

<section id="product1" class="section-p1">
    <h2>New Arrivals</h2>
    <p>Branded shoe's and T-shirts </p>
    <div class="pro-container">
      <div class="pro">
        <img src="./dress/shoe1.jfif" height="400" alt="" >
        <div class="des">
          <span>adidas</span>
          <h5>Black sneaker</h5>
          <div class="star">
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
          </div>
          <h4>₹6000</h4>
        </div>
        <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
      </div>
      <div class="pro">
        <img src="./dress/shoe2.jfif" height="400" alt="">
        <div class="des">
          <span>sneaker</span>
          <h5>white sneaker shoe</h5>
          <div class="star">
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
```

```
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
          </div>
          <h4>₹8000</h4>
        </div>
        <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
      </div>
      <div class="pro">
        <img src="./dress/shoe3.jfif" height="400" alt="">
        <div class="des">
          <span>Nike</span>
          <h5>red sneaker Heel</h5>
          <div class="star">
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
          </div>
          <h4>₹6600</h4>
        </div>
        <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
      </div>
      <div class="pro">
        <img src="./dress/shoe4.jfif" height="400" alt="">
        <div class="des">
          <span>Walkaroo</span>
          <h5>Blue High Heel</h5>
          <div class="star">
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
          </div>
          <h4>₹7800</h4>
        </div>
        <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
      </div>
      <div class="pro">
        <img src="./dress/tshirt2.jfif" alt="">
        <div class="des">
          <span>Zara</span>
          <h5>Black Smile T-Shirts</h5>
          <div class="star">
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
            <i class="fa fa-star"></i>
          </div>
          <h4>₹900</h4>
        </div>
        <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
      </div>
      <div class="pro">
        <img src="./dress/tshirt3.jfif" height="300" alt="">
        <div class="des">
          <span>Zara</span>
```

```
            <h5>Pink dog Sweat-Shirts</h5>
            <div class="star">
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
            </div>
            <h4>₹900</h4>
          </div>
          <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
        </div>
        <div class="pro">
          <img src="./dress/tshirt1.jfif" alt="">
          <div class="des">
            <span>Zara</span>
            <h5> White Trendy polo Shirt</h5>
            <div class="star">
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
            </div>
            <h4>₹1500</h4>
          </div>
          <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
        </div>
        <div class="pro">
          <img src="./dress/tshirt4.jfif" "alt="">
          <div class="des">
            <span>Zara</span>
            <h5>beige Sweats-Shirts </h5>
            <div class="star">
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
              <i class="fa fa-star"></i>
            </div>
            <h4>₹600</h4>
          </div>
          <a href="#"><i class="fa fa-shopping-bag bag"></i></a>
        </div>
    </div>
</section>

<section id="sm-banner" class="section-p1">
    <div class="banner-box">
        <h4>Crazy Deals</h4>
        <h2>Buy 1 get 1 free</h2>
        <span>The best classic dress is on sale at U Nik</span>
        <a href="products.html"><button class="white">Learn More </button></a>
    </div>
    <div class="banner-box banner-box2">
        <h4>spring/summer</h4>
        <h2>upcommig seasons</h2>
        <span>The best classic dress is on sale at U Nik</span>
        <a href="blog.html"><button class="white">Collection</button></a>
    </div >
```

```
    </section>

    <section id="banner3">
        <div class="banner-box">
            <h2>SEASONAL SALE</h2>
            <h3>Winter collection 50% off</h3>
        </div >
        <div class="banner-box banner-box2">
            <h2>SEASONAL SALE</h2>
            <h3>Winter collection 50% off</h3>
        </div >
        <div class="banner-box banner-box3">
            <h2>SEASONAL SALE</h2>
            <h3>Winter collection 50% off</h3>
        </div >
    </section>

    <section id="newsletter" class="section-p1">
        <div class="newstext">
            <h4>Sign up for NewsLetters</h4>
            <p>Get Email updates about our latest shop and <span>special offer</span>
            </p>
        </div>
        <div class="form">
            <input type="text" placeholder="Your E-mail Address">
            <button class="normal">Sign Up</button>
        </div>
    </section>

    <footer class="section-p1">
        <div class="col">
            <a href="#"><img src="https://teamys-assignment.s3.jp-tok.cloud-object-
storage.appdomain.cloud/blueberry.jpg" class="logo.png3" alt="" width="250" height="120"></a>

            <h4>Contact</h4>
            <p><strong>E-Mail: </strong>blueberry@gmail.com</p>
            <p><strong>Phone: </strong>1234567890</p>
            <div class="follow">
                <h4>Follow us</h4>
                <div class="icon">
                    <i class="fa fa-facebook-f"></i>
                    <i class="fa fa-twitter"></i>
                    <i class="fa fa-instagram"></i>
                    <i class="fa fa-pinterest-p"></i>
                    <i class="fa fa-youtube"></i>
                </div>
            </div>
        </div>

        <div class="col">
            <h4>About</h4>
            <a href="#">About us</a>
            <a href="#">Delivery Information</a>
            <a href="#">Privacy Policy</a>
            <a href="#">Tearms & Conditions</a>
            <a href="#">Contact us</a>
        </div>

        <div class="col">
            <h4>My Account</h4>
```

```
          <a href="#">Sign In</a>
          <a href="#">View Cart</a>
          <a href="#">My Wishlist</a>
          <a href="#">Track my order</a>
          <a href="#">Help</a>
        </div>

    </footer>
        <div class="copyright">
            <center><p>Smart Fashion Recommender Application </p></center>
        </div>




    <script src="script.js"></script>
    <script>
       window.watsonAssistantChatOptions = {
        integrationID: "25c96cad-19d7-4211-ad67-af978d63f02c", // The ID of this integration.
        region: "au-syd", // The region your integration is hosted in.
        serviceInstanceID: "907600f1-e9b2-4199-9428-dcec6ffa0620", // The ID of your service instance.
        onLoad: function(instance) { instance.render(); }
       };
       setTimeout(function(){
        const t=document.createElement('script');
        t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
        document.head.appendChild(t);
       });
      </script>

</body>

</html>
INDEX:
<!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>Login</title>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
    <link rel="stylesheet" href="https://rakesh87.s3.us-east.cloud-object-
storage.appdomain.cloud/style.css">
</head>

<body>

    <section id="header">
        <a href="#"><img src="https://teamys-assignment.s3.jp-tok.cloud-object-
storage.appdomain.cloud/blueberry.jpg" class="logo.png3" alt="" width="250" height="120"></a>


        <div>
            <ul id="navbar">
                <li><a class="active" href="index.html">Home</a></li>
                <li><a href="products.html">Products</a></li>
```

```
            <li><a href="blog.html">Blog</a></li>
            <li><a href="about.html">About</a></li>
            <li><a href="contact.html">Contact</a></li>
            <li><a href="cart.html"><i class="fa fa-shopping-bag"></i></a></li>
            <li><a href="cart.html"><i class="fa fa-user-secret"></i></a></li>
          </ul>
    </section>

    <section id="login">

       <form>
        <div class="imgcontainer">
          <h2>User Login</h2>
         <img src="https://saravanan2001mohan.s3.us-east.cloud-object-storage.appdomain.cloud/alyssa-strohmann-TS--uNw-JqE-unsplash%20(1).jpg" alt="Avatar" width="200" height="300" class="avatar">
        </div>

        <div class="container">
         <label for="mailid"><b>E-Mail</b></label>
         <input type="text" placeholder="Enter your E-Mail" name="email" required>

         <label for="psw"><b>Password</b></label>
         <input type="password" placeholder="Enter Password" name="psw" required>

         <button type="submit">Login</button>
         <label>
           <input type="checkbox" checked="checked" name="remember"> Remember me
         </label>
        </div>

        <div class="container signin">
        <p>Forgot Password <a href="#"> Click here </a>.</p>
        </div>
       </form>
    </section>


    <footer class="section-p1">
       <div class="col">
          <a href="#"><img src="https://teamys-assignment.s3.jp-tok.cloud-object-storage.appdomain.cloud/blueberry.jpg" class="logo.png3" alt="" width="250" height="120"></a>

          <h4>Contact</h4>
          <p><strong>E-Mail: </strong>blueberry@gmail.com</p>
          <p><strong>Phone: </strong>1234567890</p>
          <div class="follow">
             <h4>Follow us</h4>
             <div class="icon">
                <i class="fa fa-facebook-f"></i>
                <i class="fa fa-twitter"></i>
                <i class="fa fa-instagram"></i>
                <i class="fa fa-pinterest-p"></i>
                <i class="fa fa-youtube"></i>
             </div>
          </div>
       </div>

       <div class="col">
          <h4>About</h4>
```

```
        <a href="#">About us</a>
        <a href="#">Delivery Information</a>
        <a href="#">Privacy Policy</a>
        <a href="#">Tearms & Conditions</a>
        <a href="#">Contact us</a>
      </div>

      <div class="col">
        <h4>My Account</h4>
        <a href="#">Sign In</a>
        <a href="#">View Cart</a>
        <a href="#">My Wishlist</a>
        <a href="#">Track my order</a>
        <a href="#">Help</a>
      </div>

   </footer>
       <div class="copyright">
          <center><p>Smart Fashion Recommender Application </p></center>
       </div>




   <script src="script.js"></script>

</body>

</html>
```

REGISTER:

```
<!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>Register</title>
   <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
   <link rel="stylesheet" href="https://rakesh87.s3.us-east.cloud-object-
storage.appdomain.cloud/style.css">
</head>

<body>

   <section id="header">
      <a href="#"><img src="https://teamys-assignment.s3.jp-tok.cloud-object-
storage.appdomain.cloud/blueberry.jpg" class="logo.png3" alt="" width="250" height="120"></a>

      <div>
        <ul id="navbar">
          <li><a class="active" href="index.html">Home</a></li>
          <li><a href="products.html">Products</a></li>
          <li><a href="blog.html">Blog</a></li>
          <li><a href="about.html">About</a></li>
          <li><a href="contact.html">Contact</a></li>
          <li><a href="cart.html"><i class="fa fa-shopping-bag"></i></a></li>
          <li><a href="cart.html"><i class="fa fa-user-secret"></i></a></li>
        </ul>
```

```
    </section>

    <section id="register">
      <form>
      <div class="container">
      <h1>Register</h1>
      <p>Please fill in this form to create an account.</p>
      <hr>

      <label for="name"><b>Name</b></label>
      <input type="text" placeholder="Enter Name" name="name" id="name" required>

      <label for="phn"><b>Phone Number</b></label>
      <input type="text" placeholder="Enter Phone no" name="phn" id="phn" required>

      <label for="email"><b>Email</b></label>
      <input type="text" placeholder="Enter Email" name="email" id="email" required>

      <label for="psw"><b>Password</b></label>
      <input type="password" placeholder="Enter Password" name="psw" id="psw" required>

      <button type="submit" class="registerbtn">Register</button>
      </div>

      <div class="container signin">
      <p>Already have an account? <a href="login.html">Sign in</a>.</p>
      </div>
     </form>
    </section>

    <footer class="section-p1">
      <div class="col">
        <a href="#"><img src="https://teamys-assignment.s3.jp-tok.cloud-object-
storage.appdomain.cloud/blueberry.jpg" class="logo.png3" alt="" width="250" height="120"></a>

        <h4>Contact</h4>
        <p><strong>E-Mail: </strong>blueberry@gmail.com</p>
        <p><strong>Phone: </strong>1234567890</p>
        <div class="follow">
          <h4>Follow us</h4>
          <div class="icon">
            <i class="fa fa-facebook-f"></i>
            <i class="fa fa-twitter"></i>
            <i class="fa fa-instagram"></i>
            <i class="fa fa-pinterest-p"></i>
            <i class="fa fa-youtube"></i>
          </div>
        </div>
      </div>

      <div class="col">
        <h4>About</h4>
        <a href="#">About us</a>
        <a href="#">Delivery Information</a>
        <a href="#">Privacy Policy</a>
        <a href="#">Tearms & Conditions</a>
        <a href="#">Contact us</a>
      </div>

      <div class="col">
```

```
          <h4>My Account</h4>
          <a href="#">Sign In</a>
          <a href="#">View Cart</a>
          <a href="#">My Wishlist</a>
          <a href="#">Track my order</a>
          <a href="#">Help</a>
        </div>

    </footer>
        <div class="copyright">
          <center><p>Smart Fashion Recommender Application </p></center>
        </div>



    <script src="script.js"></script>

</body>

</html>
```

SIGN UP:

```
<!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>
    <!-- CSS only -->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
    <link rel="stylesheet" href="../css/style.css">
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi"
crossorigin="anonymous">
</head>

<body>
  <section id="header">
    <a href="#"><img src="https://teamys-assignment.s3.jp-tok.cloud-object-
storage.appdomain.cloud/blueberry.jpg" class="logo.png3" alt="" width="250" height="120"></a>


    <div>
      <ul id="navbar">
        <li><a class="active" href="index.html">Home</a></li>
        <li><a href="products.html">Products</a></li>
        <li><a href="sign up.html">Register</a></li>
        <li><a href="about.html">About</a></li>
        <li><a href="contact.html">Contact</a></li>
        <li><a href="cart.html"><i class="fa fa-shopping-bag"></i></a></li>
        <li><a href="register.html"><i class="fa fa-user-secret"></i></a></li>
      </ul>
</section>
    <section class="vh-100" style="background-color: #eee;">
      <div class="container h-100">
        <div class="row d-flex justify-content-center align-items-center h-100">
          <div class="col-lg-12 col-xl-11">
            <div class="card text-black" style="border-radius: 25px;">
```

```
          <div class="card-body p-md-5">
            <div class="row justify-content-center">
              <div class="col-md-10 col-lg-6 col-xl-5 order-2 order-lg-1">

                <p class="text-center h1 fw-bold mb-5 mx-1 mx-md-4 mt-4">Sign up</p>

                <form class="mx-1 mx-md-4">

                  <div class="d-flex flex-row align-items-center mb-4">
                    <i class="fas fa-user fa-lg me-3 fa-fw"></i>
                    <div class="form-outline flex-fill mb-0">
                      <input type="text" id="form3Example1c" class="form-control" />
                      <label class="form-label" for="form3Example1c">Your Name</label>
                    </div>
                  </div>

                  <div class="d-flex flex-row align-items-center mb-4">
                    <i class="fas fa-envelope fa-lg me-3 fa-fw"></i>
                    <div class="form-outline flex-fill mb-0">
                      <input type="email" id="form3Example3c" class="form-control" />
                      <label class="form-label" for="form3Example3c">Your Email</label>
                    </div>
                  </div>

                  <div class="d-flex flex-row align-items-center mb-4">
                    <i class="fas fa-lock fa-lg me-3 fa-fw"></i>
                    <div class="form-outline flex-fill mb-0">
                      <input type="password" id="form3Example4c" class="form-control" />
                      <label class="form-label" for="form3Example4c">Password</label>
                    </div>
                  </div>

                  <div class="d-flex flex-row align-items-center mb-4">
                    <i class="fas fa-key fa-lg me-3 fa-fw"></i>
                    <div class="form-outline flex-fill mb-0">
                      <input type="password" id="form3Example4cd" class="form-control" />
                      <label class="form-label" for="form3Example4cd">Repeat your password</label>
                    </div>
                  </div>

                  <div class="form-check d-flex justify-content-center mb-5">
                    <input class="form-check-input me-2" type="checkbox" value=""
id="form2Example3c" />
                    <label class="form-check-label" for="form2Example3">
                      I agree all statements in <a href="#!">Terms of service</a>
                    </label>
                  </div>

                  <div class="d-flex justify-content-center mx-4 mb-3 mb-lg-4">
                    <button type="button" class="btn btn-primary btn-lg">Register</button>
                  </div>

                </form>

              </div>
              <div class="col-md-10 col-lg-6 col-xl-7 d-flex align-items-center order-1 order-lg-2">

                <img src="https://mdbcdn.b-cdn.net/img/Photos/new-templates/bootstrap-
registration/draw1.webp"
                  class="img-fluid" alt="Sample image">
```

```
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</section>
<footer class="section-p1">
  <div class="col">
    <a href="#"><img src="https://teamys-assignment.s3.jp-tok.cloud-object-
storage.appdomain.cloud/blueberry.jpg" class="logo.png3" alt="" width="250" height="120"></a>

    <h4>Contact</h4>
    <p><strong>E-Mail: </strong>blueberry@gmail.com</p>
    <p><strong>Phone: </strong>1234567890</p>
    <div class="follow">
      <h4>Follow us</h4>
      <div class="icon">
        <i class="fa fa-facebook-f"></i>
        <i class="fa fa-twitter"></i>
        <i class="fa fa-instagram"></i>
        <i class="fa fa-pinterest-p"></i>
        <i class="fa fa-youtube"></i>
      </div>
    </div>
  </div>

  <div class="col">
    <h4>About</h4>
    <a href="#">About us</a>
    <a href="#">Delivery Information</a>
    <a href="#">Privacy Policy</a>
    <a href="#">Tearms & Conditions</a>
    <a href="#">Contact us</a>
  </div>

  <div class="col">
    <h4>My Account</h4>
    <a href="#">Sign In</a>
    <a href="#">View Cart</a>
    <a href="#">My Wishlist</a>
    <a href="#">Track my order</a>
    <a href="#">Help</a>
  </div>

</footer>
  <div class="copyright">
    <center><p>Smart Fashion Recommender Application </p></center>
  </div>
 <!-- JavaScript Bundle with Popper -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js"
integrity="sha384-OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3"
crossorigin="anonymous"></script>
</body>

</html>
SIGNIN:
<!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>
  <!-- CSS only -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi"
crossorigin="anonymous">
</head>
<body>
  <form>
    <!-- Email input -->
    <div class="mb-2">
      <input type="email" id="form2Example1" class="form-control" />
      <label class="form-label" for="form2Example1">Email address</label>
    </div>

    <!-- Password input -->
    <div class=" mb-4">
      <input type="password" id="form2Example2" class="form-control" />
      <label class="form-label" for="form2Example2">Password</label>
    </div>

    <!-- 2 column grid layout for inline styling -->
    <div class="row mb-4">
      <div class="col d-flex justify-content-center">
      <div class="col">
    <!-- Submit button -->
    <button type="button" class="btn btn-primary btn-block mb-4">Sign in</button>

    <!-- Register buttons -->
    <div class="text-center">
      <p>Not a member? <a href="signup.html">Signup</a>
      <button type="button" class="btn btn-link btn-floating mx-1">
        <i class="fab fa-facebook-f"></i>
      </button>

      <button type="button" class="btn btn-link btn-floating mx-1">
        <i class="fab fa-google"></i>
      </button>

      <button type="button" class="btn btn-link btn-floating mx-1">
        <i class="fab fa-twitter"></i>
      </button>

      <button type="button" class="btn btn-link btn-floating mx-1">
        <i class="fab fa-github"></i>
      </button>
    </div>
  </form>
  <!-- JavaScript Bundle with Popper -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js"
integrity="sha384-OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3"
crossorigin="anonymous"></script>
</body>
</html>
```

Python:

```
import ibm_db


dictionary={}
def printTableData(conn): sql = "SELECT * FROM
userdetails"
out = ibm_db.exec_immediate(conn, sql) document =
ibm_db.fetch_assoc(out) while document != False:

dictionary.update({document['USERNAME']:document['PASSWORD']}) document =
ibm_db.fetch_assoc(out)



def insertTableData(conn,rollno,username,email,password):


sql="INSERT INTO
userdetails(rollno,username,email,password) VALUES
({},'{}','{}','{}')".format(rollno,username,email,password)
out = ibm_db.exec_immediate(conn,sql)
print('Number of affected rows : ',ibm_db.num_rows(out),"\n")



def updateTableData(conn,rollno,username,email,password):
sql = "UPDATE userdetails SET (username,email,password)=('{}','{}','{}'
) WHERE
rollno={}".format(username,email,password
,rollno)
out = ibm_db.exec_immediate(conn, sql)
print('Number of affected rows : ', ibm_db.num_rows(out), "\n")


def

deleteTableData(conn,rollno):
sql = "DELETE FROM userdetails WHERE rollno={}".format(rollno)
out = ibm_db.exec_immediate(conn, sql) print('Number
of affected rows : ', ibm_db.num_rows(out), "\n")


try:


conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=0c77d6f2-5da9-48a9-81f8- 86b520b87518.bs2io90l
08kqb1od8lcg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertificate=Dig iCertGlo
balRootCA.crt;PROTOCOL=TCPIP;UID=bjn03696;PWD=ef96tLJX2VjzaCPX;", "", "")


print("Db connected")


except:


print("Error")
```

```
from flask import Flask,render_template,request,url_for,session app=Flask( name )
@app.route("/")


@app.route("/login",methods=['POST','GET']) def login():
if
request.method=="POST":
printTableData(conn)


username=request.form['username'] password=request.form['password'] try:

if dictionary[username] == password and username in dictionary:
return "Logged in successfully" except:
return "Invalid
username or password" return
render_template('loginpage.html')

@app.route("/register",methods=['POST','GET'])


def register():
if request.method=="POST": rollno =
request.form['rollno']
username = request.form['username'] email =
request.form['email']
password = request.form['password']


insertTableData(conn, rollno, username, email, password) return
render_template('loginpage.html')
return render_template('registerpage.html')




if
  name ==" main ":


app.run(debug=True)q late,request,url_for,session app=Flask( name ) @app.route("/&quo
t;) @app.route("/login",methods=['POST','GET']) def login():
if request.method=="POST":
printTableData(conn)


username=request.form['username'] password=request.form['password'] try:

if dictionary[username] == password and username in dictionary:


return "Logged in successfully" except:
return "Invalid
username or password"
```

return render_template('log’)

APP:

```
import secrets
from turtle import title
from unicodedata import category
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
import bcrypt
import base64
import os

conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=2f3279a5-73d1-4859-88f0-
a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30756;SECURITY=SSL;
SSLServerCertificateDigiCertGlobalRootCA.crt;PROTOCOL=TCPIP;UID=nhl80748;PWD=3yD0G9e6VuQH
sOBX;", "", "")
#url_for('static', filename='style.css')



app = Flask(__name__)
app.secret_key = b'_5#y2L"F4Q8z\n\xec]/'

@app.route("/",methods=['GET'])

def home():
    if 'email' not in session:
      return redirect(url_for('index'))
    shirt_list=[]
    pant_list=[]
    watch_list=[]
    ring_list=[]

    #selecting_shirt
    sql = "SELECT * FROM SHIRT"
    stmt = ibm_db.exec_immediate(conn, sql)
    shirt = ibm_db.fetch_both(stmt)
    while shirt != False :
        shirt_list.append(shirt)
        shirt = ibm_db.fetch_both(stmt)
    print(shirt_list)

  #selecting_pant

    sql1="SELECT * FROM PANT"
    stmt1 = ibm_db.exec_immediate(conn, sql1)
    pant=ibm_db.fetch_both(stmt1)
    while pant != False :
        pant_list.append(pant)
        pant = ibm_db.fetch_both(stmt1)
    print(pant_list)

  #selecting_watch
    sql2="SELECT * FROM WATCH"
    stmt2 = ibm_db.exec_immediate(conn, sql2)
    watch=ibm_db.fetch_both(stmt2)
    while watch != False :
        watch_list.append(watch)
        watch = ibm_db.fetch_both(stmt2)
```

```
    print(watch_list)

    #selecting_rings
    sql3="SELECT * FROM RINGS"
    stmt3 = ibm_db.exec_immediate(conn, sql3)
    ring=ibm_db.fetch_both(stmt3)
    while ring != False :
       ring_list.append(ring)
       ring = ibm_db.fetch_both(stmt3)
    print(ring_list)
    #returning to HTML
    return render_template('home.html',dictionary= shirt_list,pants=pant_list,watchs=watch_list,rings=ring_list)

@app.route("/index")
def index():
  return render_template('index.html')

@app.route("/register",methods=['GET','POST'])
def register():
  if request.method == 'POST':
    username = request.form['username']
    email = request.form['email']
    phoneno = request.form['phoneno']
    password = request.form['password']

    if not username or not email or not phoneno or not password:
      return render_template('register.html',error='Please fill all fields')
    hash=bcrypt.hashpw(password.encode('utf-8'),bcrypt.gensalt())
    query = "SELECT * FROM user_detail WHERE email=? OR phoneno=?"
    stmt = ibm_db.prepare(conn, query)
    ibm_db.bind_param(stmt,1,email)
    ibm_db.bind_param(stmt,2,phoneno)
    ibm_db.execute(stmt)
    isUser = ibm_db.fetch_assoc(stmt)
    if not isUser:
      insert_sql = "INSERT INTO user_detail(username, email, phoneno, password) VALUES (?,?,?,?)"
      prep_stmt = ibm_db.prepare(conn, insert_sql)
      ibm_db.bind_param(prep_stmt, 1, username)
      ibm_db.bind_param(prep_stmt, 2, email)
      ibm_db.bind_param(prep_stmt, 3, phoneno)
      ibm_db.bind_param(prep_stmt, 4, hash)
      ibm_db.execute(prep_stmt)
      return render_template('register.html',success="You can login")
    else:
      return render_template('register.html',error='Invalid Credentials')

  return render_template('register.html',name='Home')

@app.route("/login",methods=['GET','POST'])
def login():
    if request.method == 'POST':
      email = request.form['email']
      password = request.form['password']

      if not email or not password:
        return render_template('login.html',error='Please fill all fields')
      query = "SELECT * FROM user_detail WHERE email=?"
      stmt = ibm_db.prepare(conn, query)
      ibm_db.bind_param(stmt,1,email)
      ibm_db.execute(stmt)
```

```
      isUser = ibm_db.fetch_assoc(stmt)
      print(isUser,password)

      if not isUser:
        return render_template('login.html',error='Invalid Credentials')

      isPasswordMatch = bcrypt.checkpw(password.encode('utf-8'),isUser['PASSWORD'].encode('utf-8'))

      if not isPasswordMatch:
        return render_template('login.html',error='Invalid Credentials')

      session['email'] = isUser['EMAIL']
      return redirect(url_for('home') )

    return render_template('login.html',name='Home')

@app.route("/admin",methods=['GET','POST'])
def adregister():
  if request.method == 'POST':
    username = request.form['username']
    email = request.form['email']
    phoneno = request.form['phoneno']
    password = request.form['password']

    if not username or not email or not phoneno or not password:
      return render_template('adminregister.html',error='Please fill all fields')
    hash=bcrypt.hashpw(password.encode('utf-8'),bcrypt.gensalt())
    query = "SELECT * FROM admin_detail WHERE email=? OR phoneno=?"
    stmt = ibm_db.prepare(conn, query)
    ibm_db.bind_param(stmt,1,email)
    ibm_db.bind_param(stmt,2,phoneno)
    ibm_db.execute(stmt)
    isUser = ibm_db.fetch_assoc(stmt)
    if not isUser:
      insert_sql = "INSERT INTO admin_detail(username, email, phoneno, password) VALUES (?,?,?,?)"
      prep_stmt = ibm_db.prepare(conn, insert_sql)
      ibm_db.bind_param(prep_stmt, 1, username)
      ibm_db.bind_param(prep_stmt, 2, email)
      ibm_db.bind_param(prep_stmt, 3, phoneno)
      ibm_db.bind_param(prep_stmt, 4, hash)
      ibm_db.execute(prep_stmt)
      return render_template('adminregister.html',success="You can login")
    else:
      return render_template('adminregister.html',error='Invalid Credentials')

  return render_template('adminregister.html',name='Home')

@app.route("/adminlogin",methods=['GET','POST'])
def adlogin():
    if request.method == 'POST':
      email = request.form['email']
      password = request.form['password']

      if not email or not password:
        return render_template('adminlogin.html',error='Please fill all fields')
      query = "SELECT * FROM admin_detail WHERE email=?"
      stmt = ibm_db.prepare(conn, query)
      ibm_db.bind_param(stmt,1,email)
      ibm_db.execute(stmt)
      isUser = ibm_db.fetch_assoc(stmt)
```

```
      print(isUser,password)

      if not isUser:
        return render_template('adminlogin.html',error='Invalid Credentials')

      isPasswordMatch = bcrypt.checkpw(password.encode('utf-8'),isUser['PASSWORD'].encode('utf-8'))

      if not isPasswordMatch:
        return render_template('adminlogin.html',error='Invalid Credentials')

      session['email'] = isUser['EMAIL']
      return redirect(url_for('addproduct'))

    return render_template('adminlogin.html',name='Home')

@app.route("/addproduct",methods=['GET','POST'])

def addproduct():
  if request.method == 'POST':
    types=request.form['cc']
    name = request.form['name']
    image = request.form['image']
    rate = request.form['rate']
    categorie = request.form['categorie']
    if types =='shirt':
      insert_sql = "INSERT INTO SHIRT(name, image, categorie,rate) VALUES (?,?,?,?)"
      prep_stmt = ibm_db.prepare(conn, insert_sql)
      ibm_db.bind_param(prep_stmt, 1, name)
      ibm_db.bind_param(prep_stmt, 2, image)
      ibm_db.bind_param(prep_stmt, 3, categorie)
      ibm_db.bind_param(prep_stmt, 4, rate)
      ibm_db.execute(prep_stmt)
    if types =='pant':
      insert_sql = "INSERT INTO PANT(name, image, categorie,rate) VALUES (?,?,?,?)"
      prep_stmt = ibm_db.prepare(conn, insert_sql)
      ibm_db.bind_param(prep_stmt, 1, name)
      ibm_db.bind_param(prep_stmt, 2, image)
      ibm_db.bind_param(prep_stmt, 3, categorie)
      ibm_db.bind_param(prep_stmt, 4, rate)
      ibm_db.execute(prep_stmt)
    if types =='watch':
      insert_sql = "INSERT INTO WATCH(name, image, rate) VALUES (?,?,?)"
      prep_stmt = ibm_db.prepare(conn, insert_sql)
      ibm_db.bind_param(prep_stmt, 1, name)
      ibm_db.bind_param(prep_stmt, 2, image)
      ibm_db.bind_param(prep_stmt, 3, rate)
      ibm_db.execute(prep_stmt)
    if types =='ring':
      insert_sql = "INSERT INTO RINGS(name, image, categorie,rate) VALUES (?,?,?,?)"
      prep_stmt = ibm_db.prepare(conn, insert_sql)
      ibm_db.bind_param(prep_stmt, 1, name)
      ibm_db.bind_param(prep_stmt, 2, image)
      ibm_db.bind_param(prep_stmt, 3, categorie)
      ibm_db.bind_param(prep_stmt, 4, rate)
      ibm_db.execute(prep_stmt)

  return render_template('addproduct.html',success="You can login")

@app.route("/data")
def display():
```

```
  shirt_list=[]
  pant_list=[]
  watch_list=[]
  ring_list=[]

  #selecting_shirt
  sql = "SELECT * FROM SHIRT"
  stmt = ibm_db.exec_immediate(conn, sql)
  shirt = ibm_db.fetch_both(stmt)
  while shirt != False :
     shirt_list.append(shirt)
     shirt = ibm_db.fetch_both(stmt)
  print(shirt_list)

 #selecting_pant

  sql1="SELECT * FROM PANT"
  stmt1 = ibm_db.exec_immediate(conn, sql1)
  pant=ibm_db.fetch_both(stmt1)
  while pant != False :
     pant_list.append(pant)
     pant = ibm_db.fetch_both(stmt1)
  print(pant_list)

#selecting_watch
  sql2="SELECT * FROM WATCH"
  stmt2 = ibm_db.exec_immediate(conn, sql2)
  watch=ibm_db.fetch_both(stmt2)
  while watch != False :
     watch_list.append(watch)
     watch = ibm_db.fetch_both(stmt2)
  print(watch_list)

  #selecting_rings
  sql3="SELECT * FROM RINGS"
  stmt3 = ibm_db.exec_immediate(conn, sql3)
  ring=ibm_db.fetch_both(stmt3)
  while ring != False :
     ring_list.append(ring)
     ring = ibm_db.fetch_both(stmt3)
  print(ring_list)
  #returning to HTML
  return render_template('home.html',dictionary= shirt_list,pants=pant_list,watchs=watch_list,rings=ring_list)

@app.route("/orderplaced",methods=['GET','POST'])
def dis():
  if request.method == 'POST':
    pname=request.form['name']
    img=request.form['image']
    rate=request.form['rate']
    categorie=request.form['categorie']
  return render_template('order.html',pname=pname,img=img,rate=rate,categorie=categorie)

@app.route("/complete",methods=['GET','POST'])

def orderdisplay():
  if request.method == 'POST':
    name = request.form['order_name']
    image = request.form['order_image']
    rate = request.form['order_rate']
```

```
    categorie = request.form['order_categorie']
    insert_sql = "INSERT INTO ORDERS(oname, oimage,orate, ocategorie) VALUES (?,?,?,?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prep_stmt, 1, name)
    ibm_db.bind_param(prep_stmt, 2, image)
    ibm_db.bind_param(prep_stmt, 3, rate)
    ibm_db.bind_param(prep_stmt, 4, categorie)
    ibm_db.execute(prep_stmt)
  return render_template('success.html',success="You can login")

@app.route("/displayorder")
def displayorder():
  details_list=[]
  #selecting_shirt
  sql = "SELECT * FROM ORDERS"
  stmt = ibm_db.exec_immediate(conn, sql)
  detail = ibm_db.fetch_both(stmt)
  while detail != False :
      details_list.append(detail)
      detail = ibm_db.fetch_both(stmt)
  print(details_list)
  return render_template('displayorder.html',details=details_list)

@app.route('/logout')
def logout():
    session.pop('email', None)
    return redirect(url_for('index'))
if __name__ == '__main__':
    app.debug=True
    port=int(os.environ.get('PORT',5000))
    app.run(port=port,host='0.0.0.0')
```

CHATBOT:

```
  window.watsonAssistantChatOptions = {
    integrationID: "40e2e583-2bd1-4c3d-8e13-73a5f2d2bf7c", // The ID of this integration.
    region: "au-syd", // The region your integration is hosted in.
    serviceInstanceID: "2fe20232-f2c4-482c-a137-66a6e34214ac", // The ID of your service instance.
    onLoad: function(instance) { instance.render(); }
  };
  setTimeout(function(){
    const t=document.createElement('script');
    t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
```

PAYMENT:

```
//  1.....Deliveery options.....//

let homeDelivery =document.getElementById("home-
delivery").addEventListener("click",HomeDelivery)
 homeDelivery =document.getElementById("home-delivery").style.border="2px solid orange"

// const api_key="07a51eea324d30f39c87a220dc518de8";
```

```
function HomeDelivery(){

    window.location.reload();

}

// 2.....Search City By Input.....//




let storeDelivery= document.getElementById("store-
delivery").addEventListener("click",StoreDelivery)

function StoreDelivery(){
   let HideDiv1=document.getElementById("delivery-info").style.display="none";
   let HideDiv2=document.getElementById("location-info").style.display="block";
   let input_tag=document.getElementById("city_search").style.display="block";

   let homeDelivery =document.getElementById("home-delivery").style.border="1px solid #bdc6ce";
   let storeDelivery= document.getElementById("store-delivery").style.border="2px solid orange";

   let count=3;
    let id=setInterval(function(){
        let iframe=document.getElementById("gmap_canvas");
        iframe.src="https://flevix.com/wp-content/uploads/2019/07/Curve-Loading.gif"
    count--;
    if(count===0){
    clearInterval(id);
    let iframe=document.getElementById("gmap_canvas");

iframe.src=`https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3887.1661668426377!2d
80.03171181475606!3d13.02508819082081!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1
s0x3a528b0aff5ff8ff%3A0x9ccd29ac00bf26b5!2sLoyola%20Institute%20of%20Technology!5e0!3m
2!1sen!2sin!4v1668444898761!5m2!1sen!2sin" width="400" height="300" style="border:0;"
allowfullscreen="" loading="lazy" referrerpolicy="no-referrer-when-downgrade`
}
},1000);



   let city=document.getElementById("city").addEventListener("oninput",ShowMap)
   function ShowMap(){
    let city=document.getElementById("city").value;
    console.log(city)
   }
}

//  3.....Debit And Credit Card
Div.....//

let debitCard=document.getElementById("debit-card").addEventListener("dblclick",DebitCard)
function DebitCard(){
```

```
    let card_details=document.querySelector("#card-details")
    if(card_details.style.display==="none")
    {
        card_details.style.display="block";
    }
    else{
        card_details.style.display="none"
    }
}

//  4.....EMI div.....

let EMI=document.getElementById("emi").addEventListener("dblclick",Emi)
function Emi(){
    let card_details=document.querySelector("#emi-card-1")
    if(card_details.style.display==="none")
    {
        card_details.style.display="block";
    }
    else{
        card_details.style.display="none"
    }
}


//  5.....Net Banking-
div.....//

let netBank=document.getElementById("net-bank").addEventListener("dblclick",NetBank)
function NetBank(){
    let card_details=document.querySelector("#net-banking-div")
    if(card_details.style.display==="none")
    {
        card_details.style.display="block";
    }
    else{
        card_details.style.display="none"
    }
}

//  6.....Wallet-div.....//

let Wallet =document.getElementById("wallets").addEventListener("dblclick",WalletInput)

function WalletInput(){
    let card_details=document.querySelector("#wallet-div")
    if(card_details.style.display==="none")
    {
        card_details.style.display="block";
    }
    else{
        card_details.style.display="none"
    }
}
```

```
    let Wallet_input =document.getElementById("select-wallet").addEventListener("click",WalletOpt)
    function WalletOpt(){
    let card_details=document.querySelector("#wallet-div-info")
    if(card_details.style.display==="none")
    {
        card_details.style.display="block";
    }
    else{
        card_details.style.display="none"
    }

}


// 7. .....UPI...../.....

let UPI_pay=document.getElementById("upi").addEventListener("dblclick",upi_Pay)
function upi_Pay(){
    let card_details=document.querySelector("#Upi-Opt")
    if(card_details.style.display==="none")
    {
        card_details.style.display="block";
    }
    else{
        card_details.style.display="none"
    }
}



//.7.....for input tag.....//

let button_show=document.getElementById("pay-now").addEventListener("click",ShowStatus)

function ShowStatus(){
let UserArray=[]
    let userData=document.getElementById("user-form-datails")

    let UserData={
        Uname:userData.user_name.value,
        flat:userData.user_flat.value,
        buildingName:userData.user_building_name.value,
        City:userData.user_city.value,
        state:userData.user_state.value,
        pincode:userData.user_pin_cd.value,
        contactNo:userData.user_contact.value,

    }
    UserArray.push(UserData)

    console.log(UserArray[0].Uname)

    let check_inform=document.getElementById("final-confirmation")

    let h2=document.createElement("h2");
```

```
    h2.innerText="Please confirmed Below details";

    let name=document.createElement("p")
    name.innerText=`Name:${UserArray[0].Uname}`

    let contact=document.createElement("p")
    contact.innerText=`Contact No:${UserArray[0].contactNo}`;


    let pincode=document.createElement("p")
    pincode.innerText=`Pincode No.:${UserArray[0].pincode}`

    let city=document.createElement("p")
    city.innerText=`City:${UserArray[0].City}`

    let state=document.createElement("p")
    state.innerText=`State:${UserArray[0].state}`

    let buildingname=document.createElement("p")
    buildingname.innerText=`Building Name:${UserArray[0].buildingName}`

    let flat=document.createElement("p")
    flat.innerText=`Flat No.:${UserArray[0].flat}`

    let not4=document.createElement("h2")
       not4.innerText=`Payable Amount :₹${subtotal}`

    let com_btn=document.createElement("button")
    com_btn.id="checck_info"
    com_btn.innerText="Conform"
    com_btn.addEventListener("click",Csheck_Info)

    console.log(h2,name,flat,buildingname,city,state,pincode,contact,not4)

    let div_show =document.getElementById("out-put")
    div_show.style.display="block"

    check_inform.append(h2,name,flat,buildingname,city,state,pincode,contact,not4,com_btn)
    div_show.append(check_inform)

//8.....button Event.....//

    function Csheck_Info(){
    let check_inform=document.getElementById("final-confirmation")
    check_inform.style.display="none"

    let time =document.getElementById("order-process");
    time.style.display="block"

    let note_1=document.getElementById("note-1")
    note_1.innerText=`Thanks you ${UserArray[0].Uname} for Shoping with us. Your Order
confirmation is pending`


    let count=5;
```

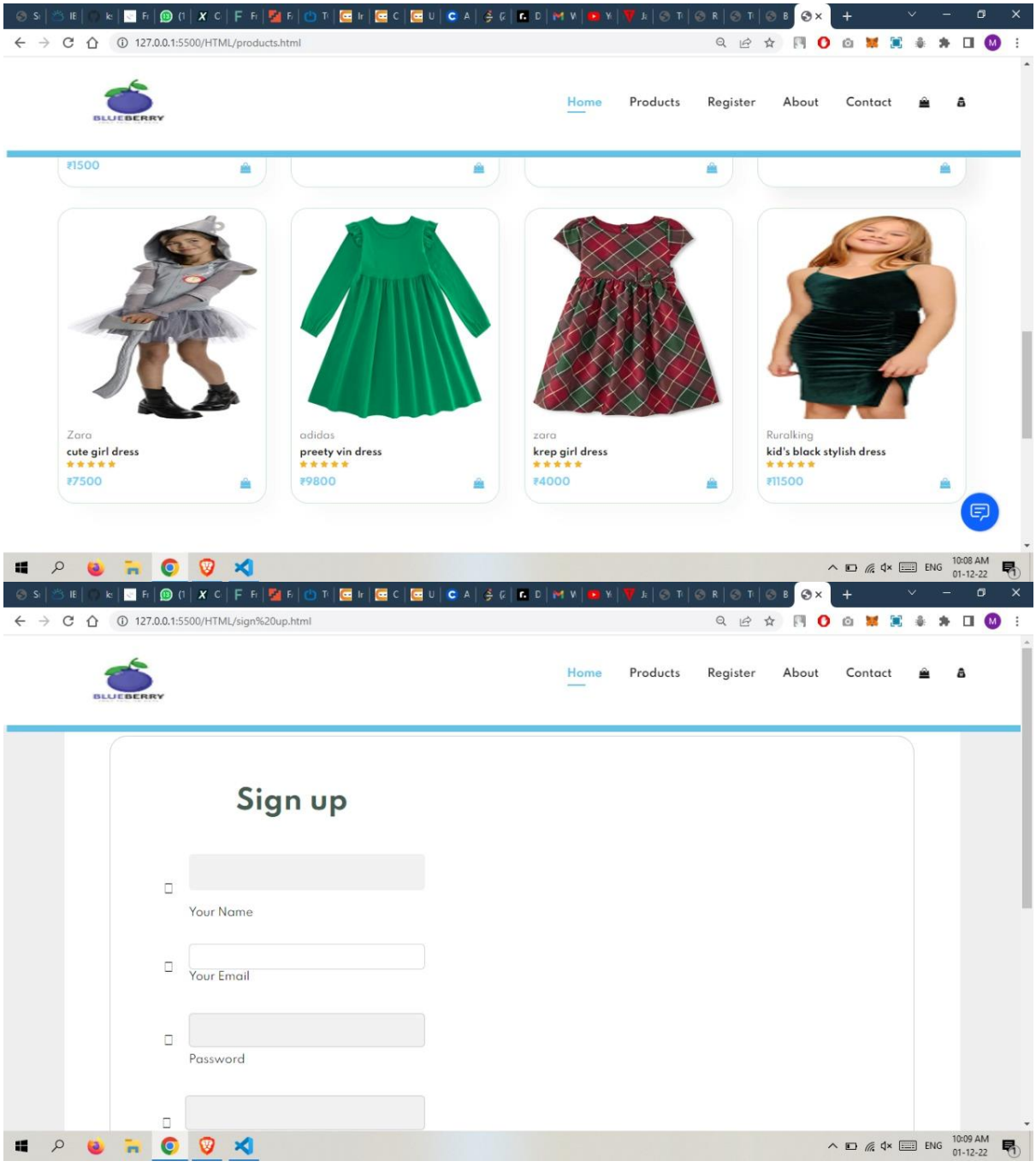
```
    let id=setInterval(function(){
    count--;
    if(count===0){
    clearInterval(id);
    let time =document.getElementById("order-process");
    time.style.display="none"
    let div_show =document.getElementById("order-placed")
    div_show.style.display="block"
    let note_2=document.getElementById("note-2")
    note_2.innerText=`Congratualtions ${UserArray[0].Uname} Your order has been placed
succesfully`
}
},1000);

let more_shop=document.getElementById("more-shop").addEventListener("click",moreShop)
function moreShop(){

   window.location.href="index.html";
   window.location.href="index.html"

}
}

}

//..................................... Data Append to .....................................//

let Summary=JSON.parse(localStorage.getItem("checkout"));
let n=Summary[Summary.length-1]

let summary=(n)=>{

  n.forEach(function(ele,i){

    let summ_div = document.getElementById("append-basket");

    let prod_div = document.createElement("div");
    prod_div.setAttribute("id", "prod_div");

    let img_div = document.createElement("div");
    img_div.setAttribute("id", "div-img");

    let img = document.createElement("img");
    img.src = ele.img;

    let info_div = document.createElement("div");
    info_div.setAttribute("id", "info_div");

    let main_t=document.createElement("p")
    main_t.id="main_t"
    main_t.innerText="LIFESTYLE"

    let tit = document.createElement("p");
    tit.innerText = ele.productName;
```

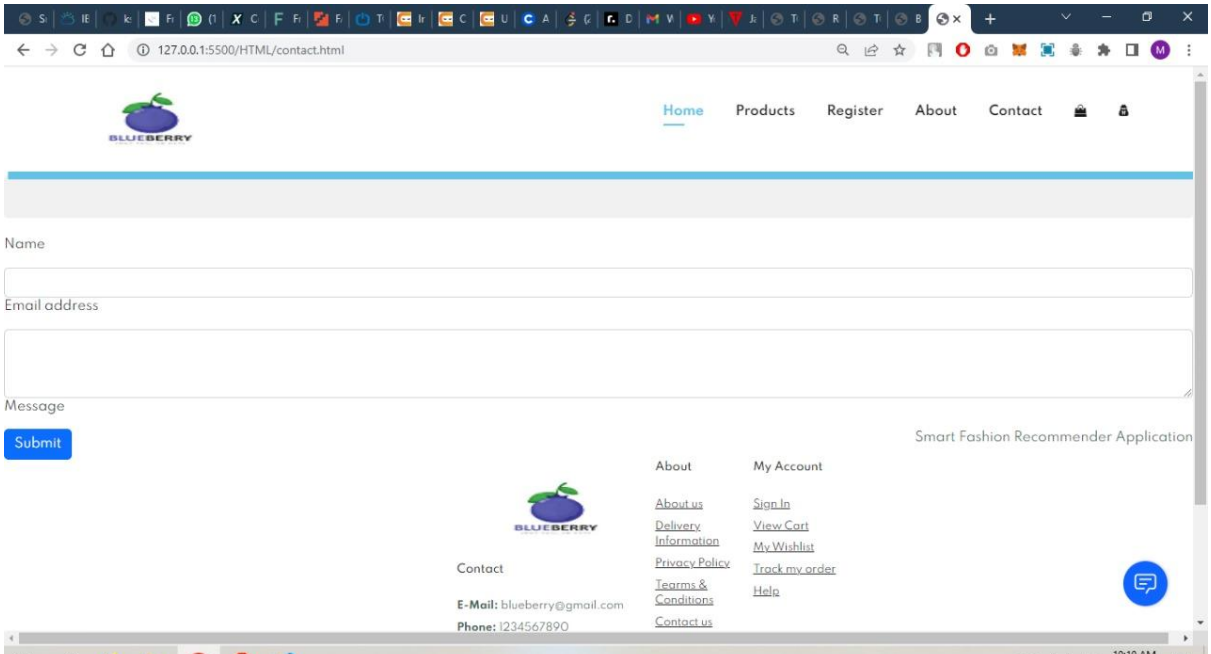
```
    let m_div = document.createElement("div");
    m_div.setAttribute("id", "middle-div");


    let _quan = document.createElement("div");
    _quan.setAttribute("id", "quants");

    let quant=document.createElement("p")
    quant.innerText=`Qty:${1}`

    let price = document.createElement("p");
    price.id="price_tag"
    price.innerText =`Price: ₹${ele.price}`;

    _quan.append(quant)
    m_div.append(_quan,price)
    info_div.append(main_t,tit,m_div)
    img_div.append(img)
    prod_div.append(img_div,info_div)
    summ_div.append(prod_div)
  })
}
summary(n);

let subtotal = n.reduce(function (acc, ele) {
    return Math.round(acc + ele.price);
}, 0);

let SubTotal =subtotal+40

let total_price=document.getElementById("sub_total")
total_price.innerText=`₹${subtotal}`

 if(subtotal<999){
    let total_p=document.getElementById("total_cost")
    total_p.innerText=`₹${SubTotal}`
    let deli_charge=document.getElementById("deli_charge")
    deli_charge.innerText=`₹${40}`
   }else{
    let total_p=document.getElementById("total_cost")
     total_p.innerText=`₹${subtotal}`
     let deli_charge=document.getElementById("deli_charge")
    deli_charge.innerText="Free"
   }

// .....................Continue Last Pay Now Button.....................................................................

// let bank_conf=document.getElementById("bank_conf")
// let not3=document.getElementById("u_details")
// not3.innerText=`${UserArray[0].Uname} Please Conform Your Order Payment`
// let not4=document.getElementById("amt_com")
// not4.innerText=`₹ ${subtotal}`
// let sub=document.getElementById("amt-pay").addEventListener("click",paymentComfirm)
```

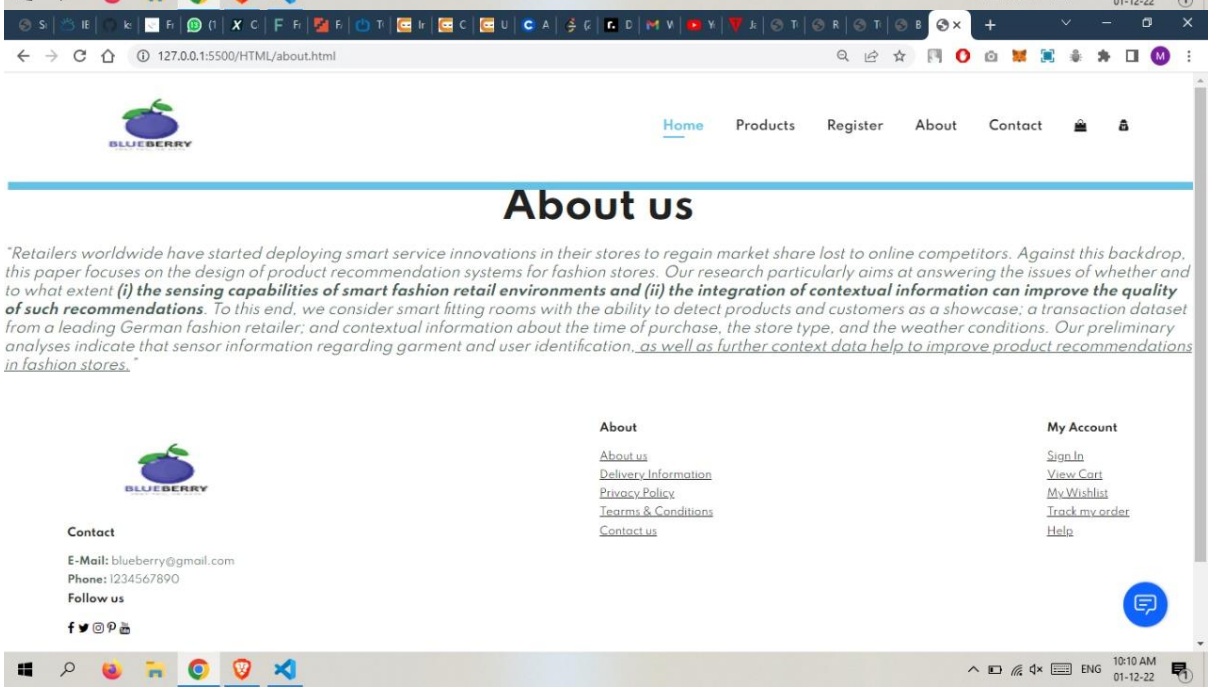
```
// payment logo

let pay_logo_home=document.getElementById("payment-
logo").addEventListener("click",HomePeJao)

function HomePeJao(){
   window.location.href="index.html";
  window.location.href="index.html"
}
PRODUCT :

const productImages = document.querySelectorAll(".product-images img");
const productImageSlide = document.querySelector(".image-slider");

let activeImageSlide = 0;

productImages.forEach((item, i) => {
   item.addEventListener('click', () => {
      productImages[activeImageSlide].classList.remove('active');
      item.classList.add('active');
      productImageSlide.style.backgroundImage = `url('${item.src}')`;
      activeImageSlide = i;


   })

})


const sizeBtns = document.querySelectorAll('.size-radio-btn');
let checkedBtn = 0;

sizeBtns.forEach((item, i) => {
   item.addEventListener('click', () => {
      sizeBtns[checkedBtn].classList.remove('check');
      item.classList.add('check')
      checkedBtn = i;
   })
})

HOME:

const productcontainers = [...document.querySelectorAll('.product-container')];
const nxtbtn = [...document.querySelectorAll('.nxt-btn')];
const prebtn = [...document.querySelectorAll('.pre-btn')];

productcontainers.forEach((item, i) => {
   let containerDimenstions = item.getBoundingClientRect()
   let containerwidth = containerDimenstions.width;

   nxtbtn[i].addEventListener('click', () => {
      item.scrollLeft += containerwidth;

   })
```

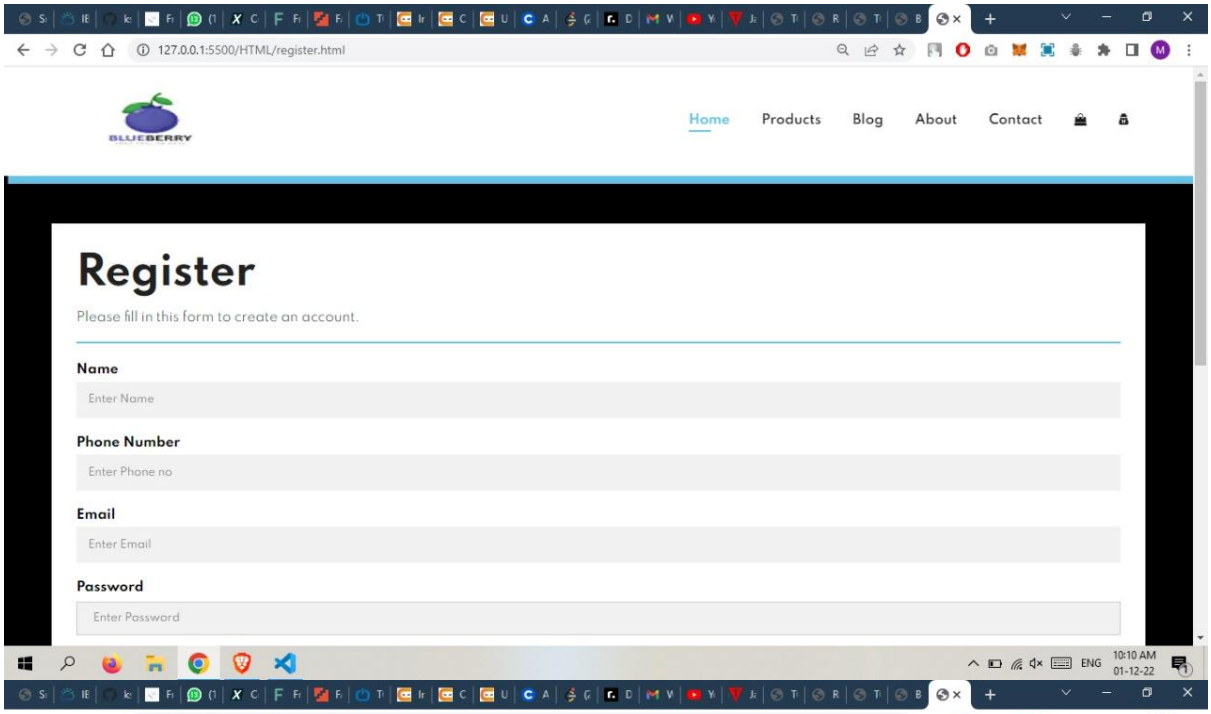
```
    prebtn[i].addEventListener('click', () => {
        item.scrollLeft -= containerwidth;

    })
})
```

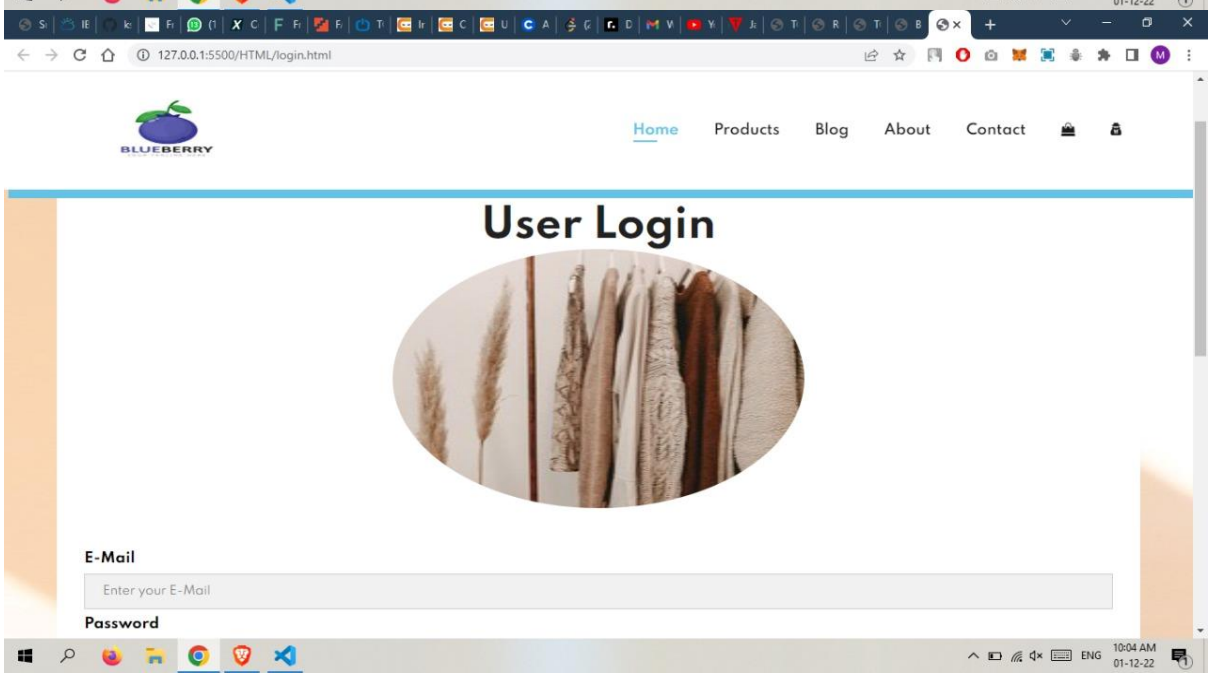
OUTPUT:

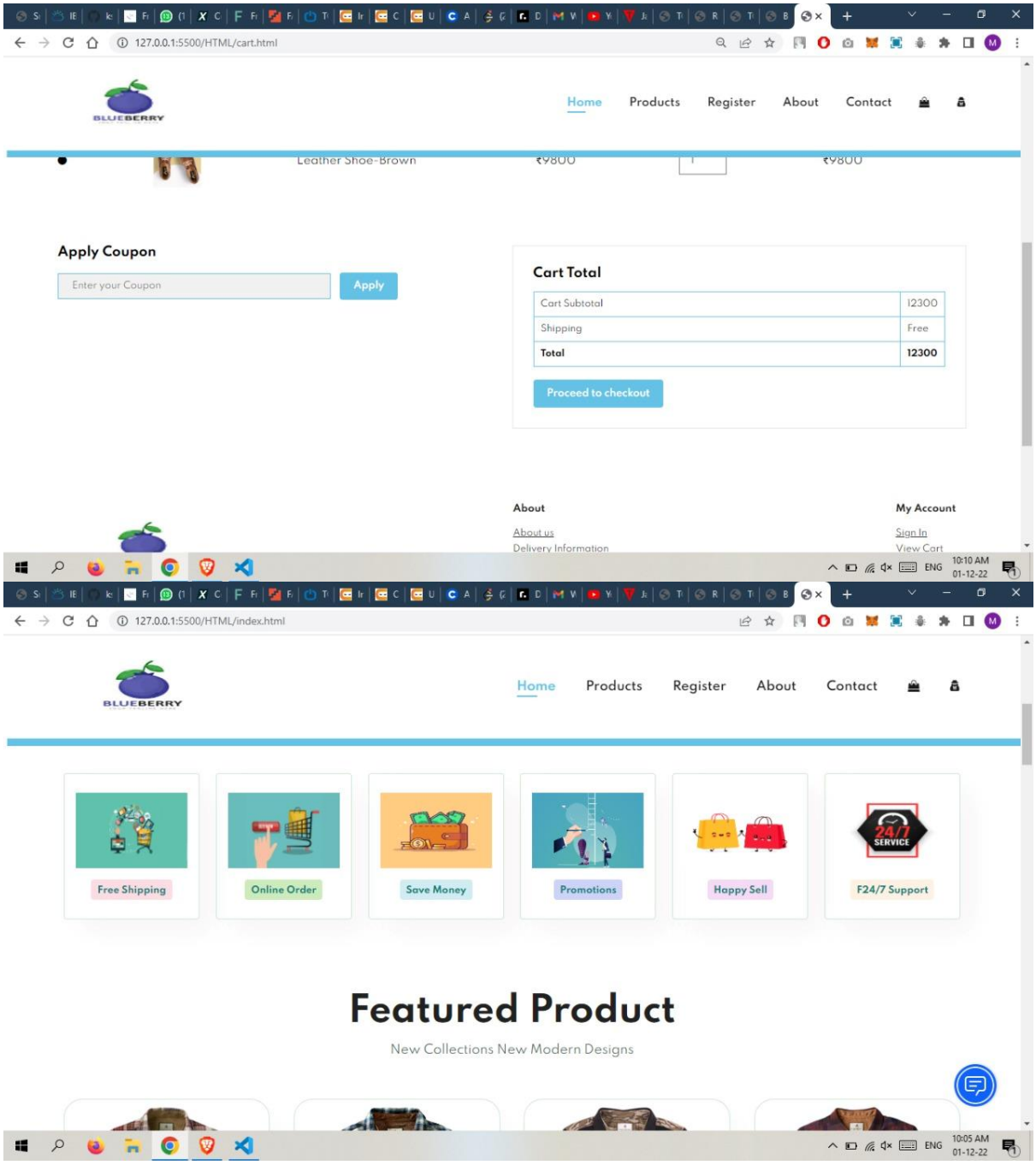


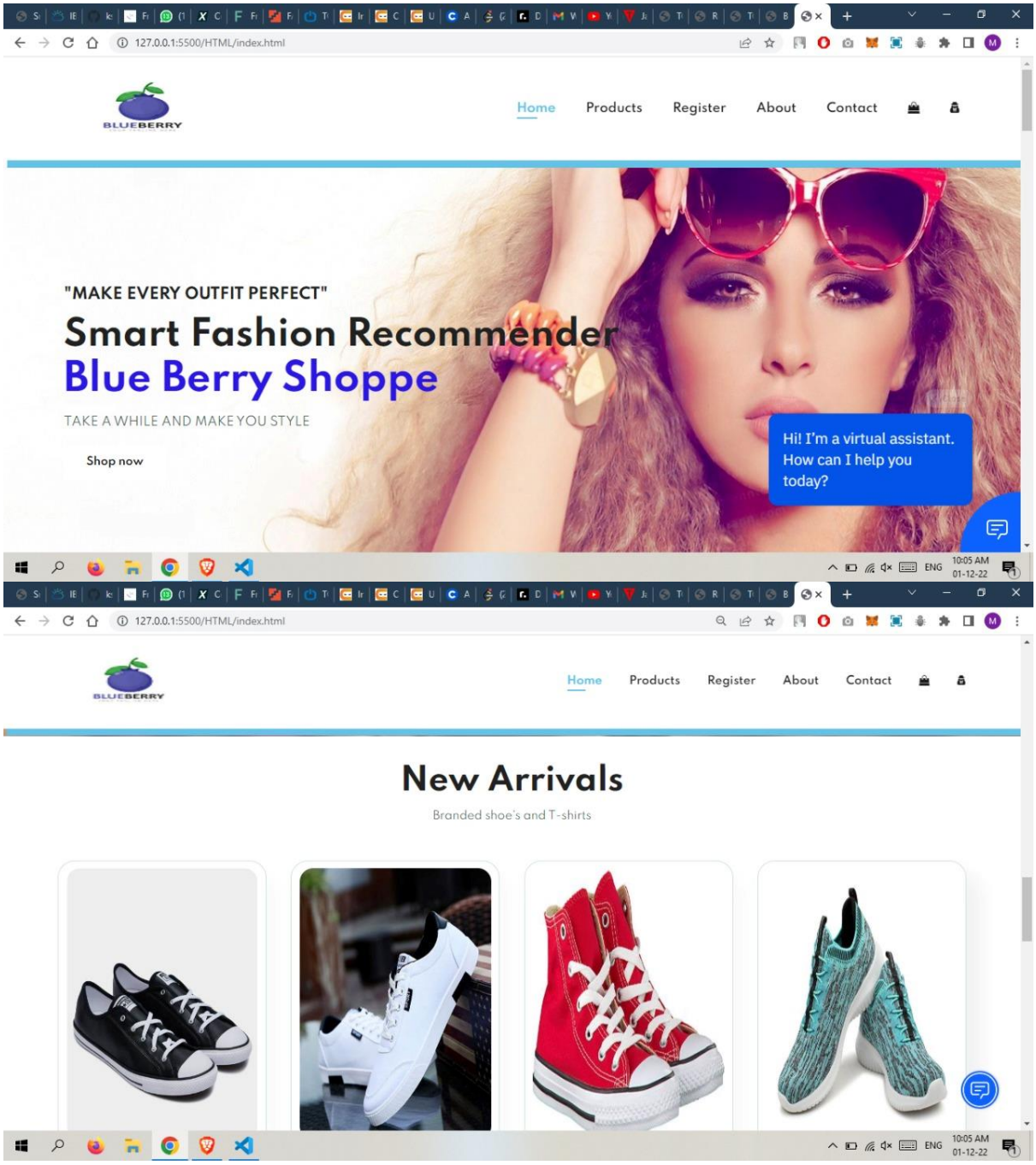

127.0.0.1:5500/HTML/contact.html
Home
Products
Register
About
Contact
Name
Email address
Message
Submit
Smart Fashion Recommender Application
About
About us
Delivery Information
Privacy Policy
Tearms & Conditions
Contact us
My Account
Sign In
View Cart
My Wishlist
Track my order
Help
Contact
E-Mail: blueberry@gmail.com
Phone: 1234567890

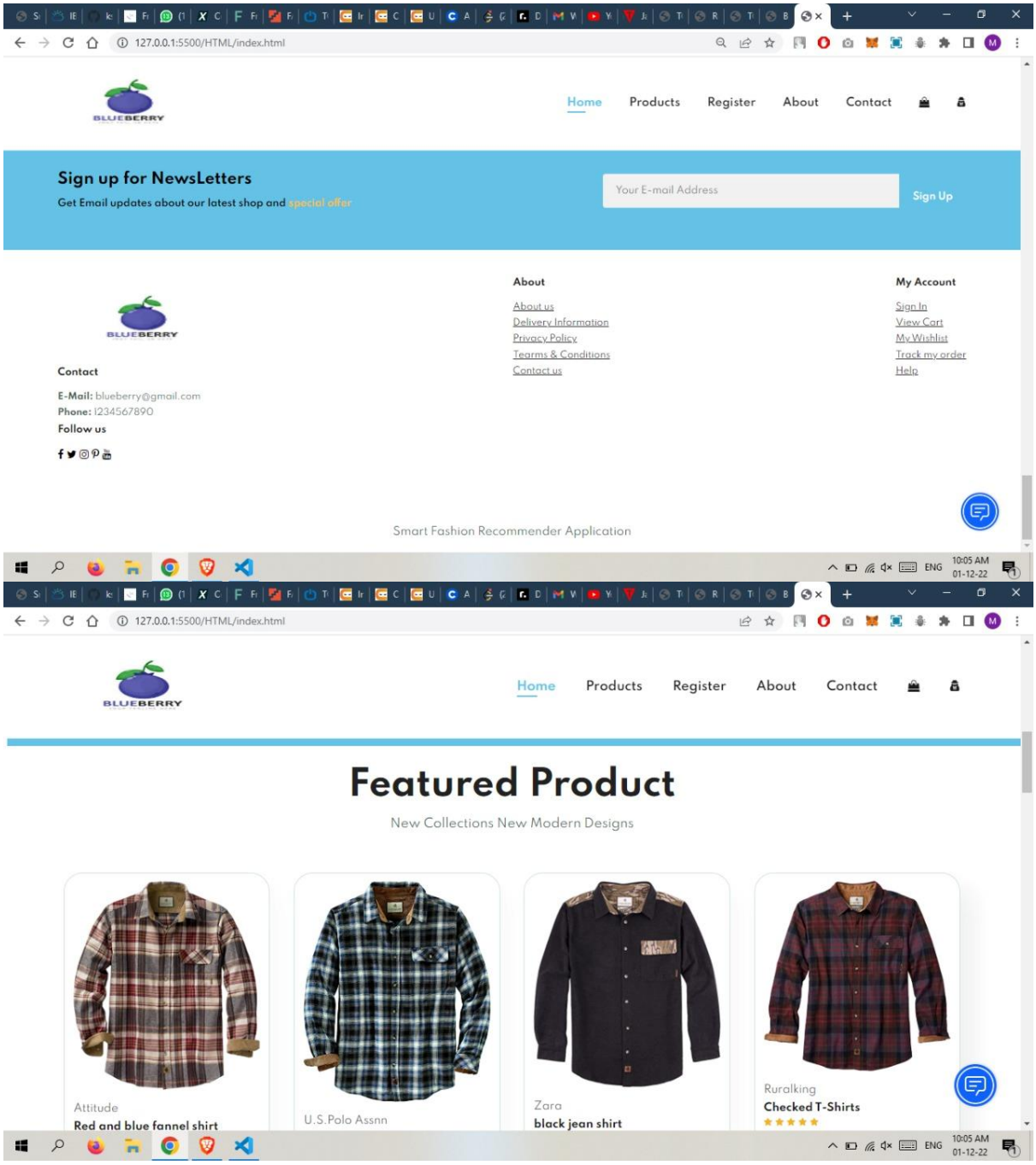

127.0.0.1:5500/HTML/about.html
Home
Products
Register
About
Contact
About us
"Retailers worldwide have started deploying smart service innovations in their stores to regain market share lost to online competitors. Against this backdrop, this paper focuses on the design of product recommendation systems for fashion stores. Our research particularly aims at answering the issues of whether and to what extent (i) the sensing capabilities of smart fashion retail environments and (ii) the integration of contextual information can improve the quality of such recommendations. To this end, we consider smart fitting rooms with the ability to detect products and customers as a showcase; a transaction dataset from a leading German fashion retailer; and contextual information about the time of purchase, the store type, and the weather conditions. Our preliminary analyses indicate that sensor information regarding garment and user identification, as well as further context data help to improve product recommendations in fashion stores."
Contact
E-Mail: blueberry@gmail.com
Phone: 1234567890
Follow us
About
About us
Delivery Information
Privacy Policy
Tearms & Conditions
Contact us
My Account
Sign In
View Cart
My Wishlist
Track my order
Help

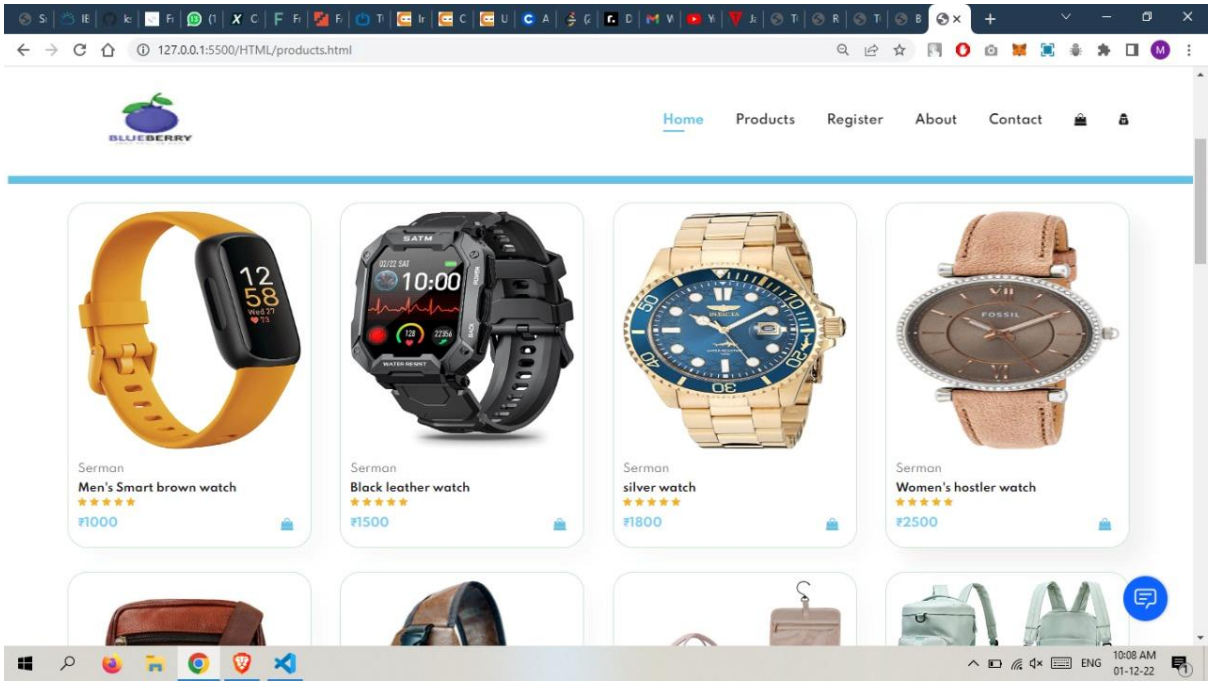

127.0.0.1:5500/HTML/register.html
BLUEBERRY
Home
Products
Blog
About
Contact
Register
Please fill in this form to create an account.
Name
Enter Name
Phone Number
Enter Phone no
Email
Enter Email
Password
Enter Password
ENG
10:10 AM
01-12-22


127.0.0.1:5500/HTML/login.html
BLUEBERRY
Home
Products
Blog
About
Contact
User Login
E-Mail
Enter your E-Mail
Password
ENG
10:04 AM
01-12-22


127.0.0.1:5500/HTML/cart.html
BLUEBERRY
Home
Products
Register
About
Contact
Leather Shoe-Brown
₹9800
1
₹9800
Apply Coupon
Enter your Coupon
Apply
Cart Total
Cart Subtotal
12300
Shipping
Free
Total
12300
Proceed to checkout
About
About us
Delivery Information
My Account
Sign In
View Cart
ENG
10:10 AM
01-12-22
127.0.0.1:5500/HTML/index.html
BLUEBERRY
Home
Products
Register
About
Contact
Free Shipping
Online Order
Save Money
Promotions
Happy Sell
24/7
SERVICE
F24/7 Support
Featured Product
New Collections New Modern Designs
ENG
10:05 AM
01-12-22


127.0.0.1:5500/HTML/index.html
BLUEBERRY
Home
Products
Register
About
Contact
"MAKE EVERY OUTFIT PERFECT"
Smart Fashion Recommender
Blue Berry Shoppe
TAKE A WHILE AND MAKE YOU STYLE
Shop now
Hi! I'm a virtual assistant. How can I help you today?
ENG
10:05 AM
01-12-22
127.0.0.1:5500/HTML/index.html
BLUEBERRY
Home
Products
Register
About
Contact
New Arrivals
Branded shoe's and T-shirts
ENG
10:05 AM
01-12-22


127.0.0.1:5500/HTML/index.html
BLUEBERRY
Home
Products
Register
About
Contact
Sign up for NewsLetters
Get Email updates about our latest shop and special offer
Your E-mail Address
Sign Up
BLUEBERRY
Contact
E-Mail: blueberry@gmail.com
Phone: 1234567890
Follow us
About
About us
Delivery Information
Privacy Policy
Tearms & Conditions
Contact us
My Account
Sign In
View Cart
My Wishlist
Track my order
Help
Smart Fashion Recommender Application
ENG
10:05 AM
01-12-22
127.0.0.1:5500/HTML/index.html
BLUEBERRY
Home
Products
Register
About
Contact
Featured Product
New Collections New Modern Designs
Attitude
Red and blue fannel shirt
U.S.Polo Assnn
Zara
black jean shirt
Ruralking
Checked T-Shirts
ENG
10:05 AM
01-12-22


127.0.0.1:5500/HTML/products.html
BLUEBERRY
Home
Products
Register
About
Contact
Serman
Men's Smart brown watch
₹1000
Serman
Black leather watch
₹1500
Serman
silver watch
₹1800
Serman
Women's hostler watch
₹2500
ENG
10:08 AM
01-12-22

DEMO LINK :

https://drive.google.com/file/d/1u6unMT_I9wojgUxDmpSKi55pgq9Y8F8d/view?usp=sharing

GITHUB

https://github.com/IBM-EPBL/IBM-Project-7404-1658854803