Sprint - 4

Date	18 November 2022
Team ID	PNT2022TMID38260
Project Name	Smart Fashion Recommender Application

Final Project:

Demo video LinK:

https://www.youtube.com/watch?v=g3i92xNUTvU&t=1s

We have come up with a new innovative solution through which you can directly do your online shopping based on your choice without any search. It can be done by using the chatbot.

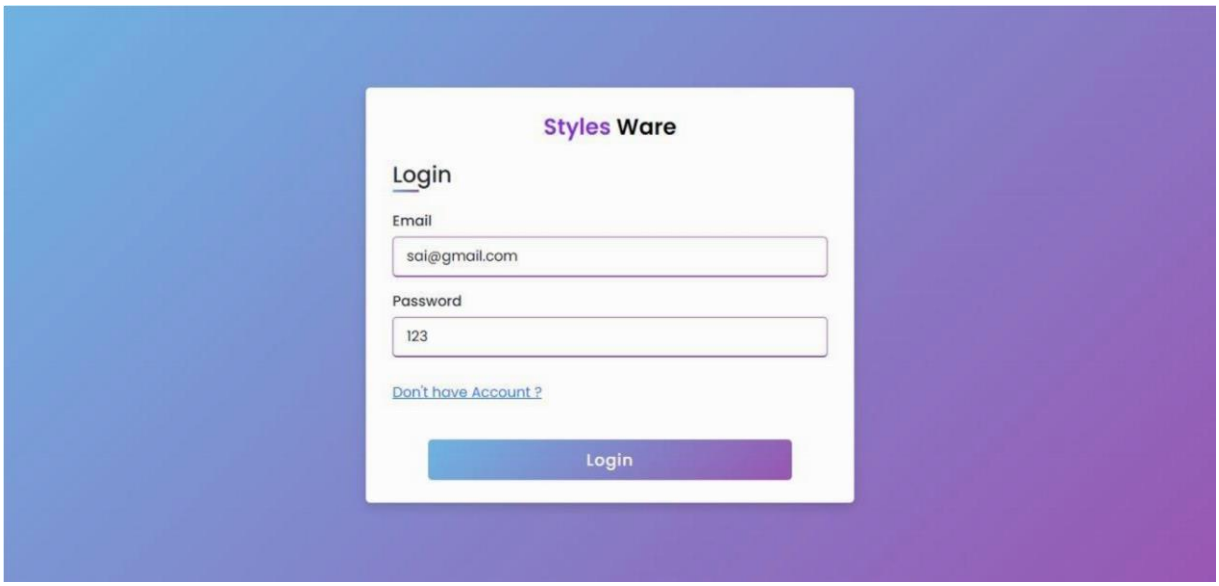
In this project you will be working on two modules :

1.User Panel

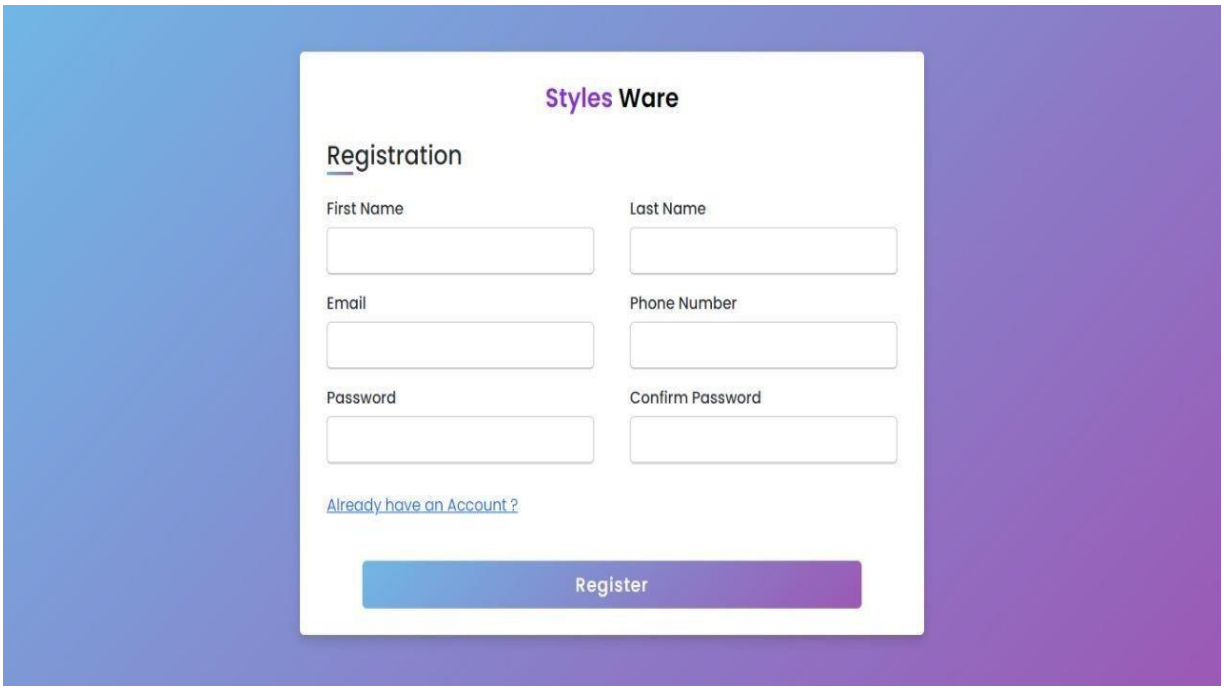
2.Admin Panel

User Panel:

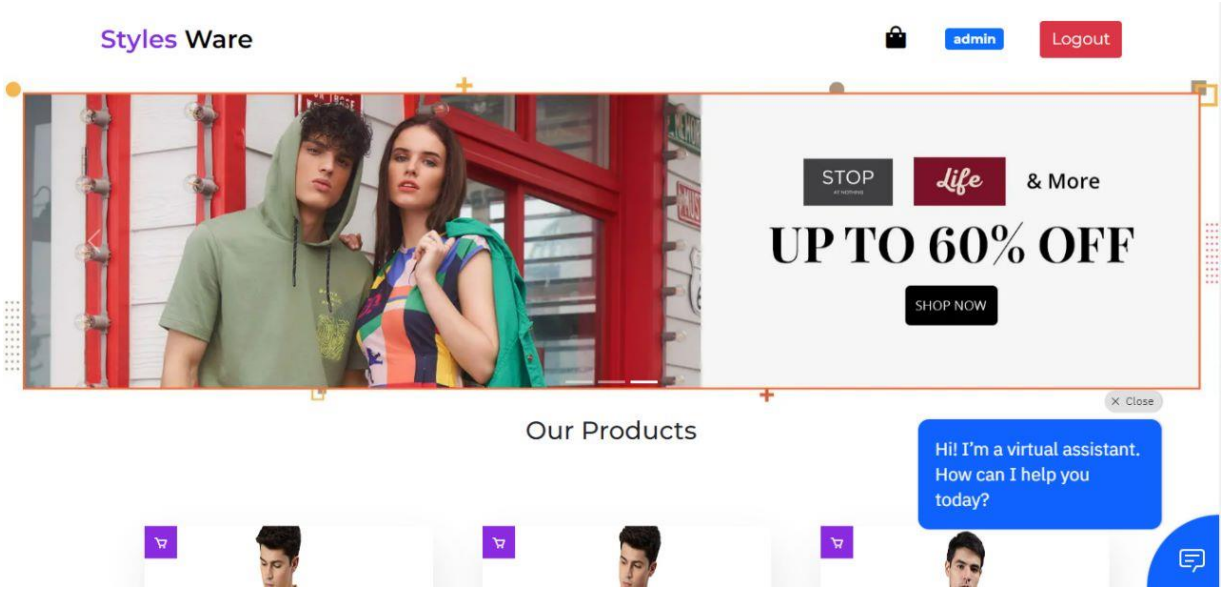
Login Page:



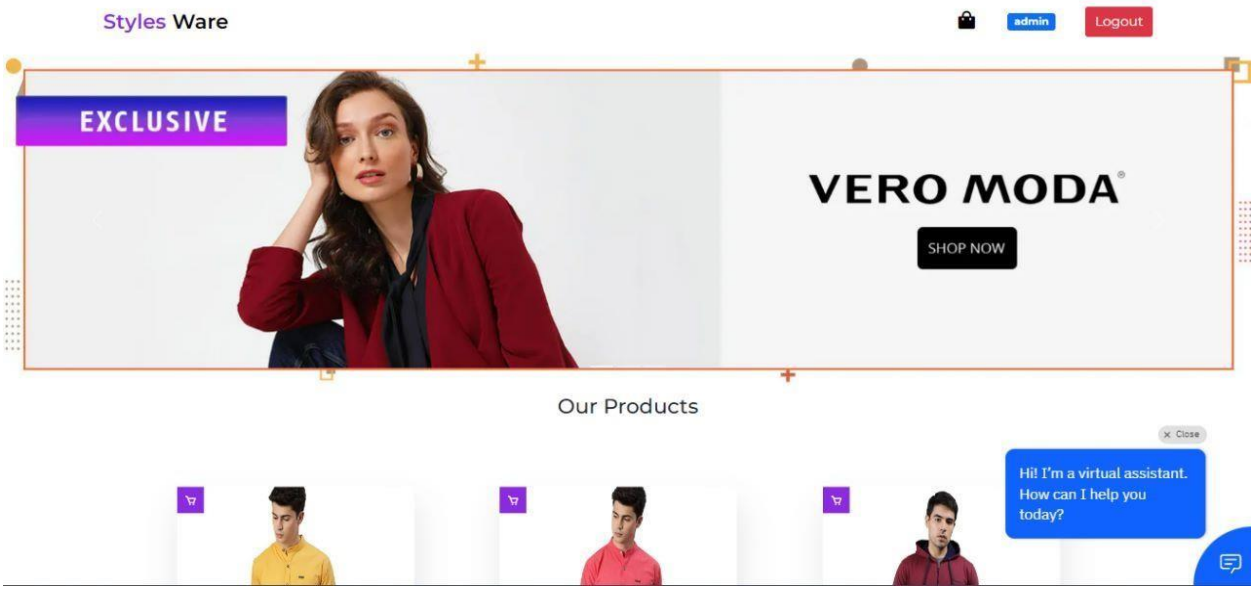
Register Page:

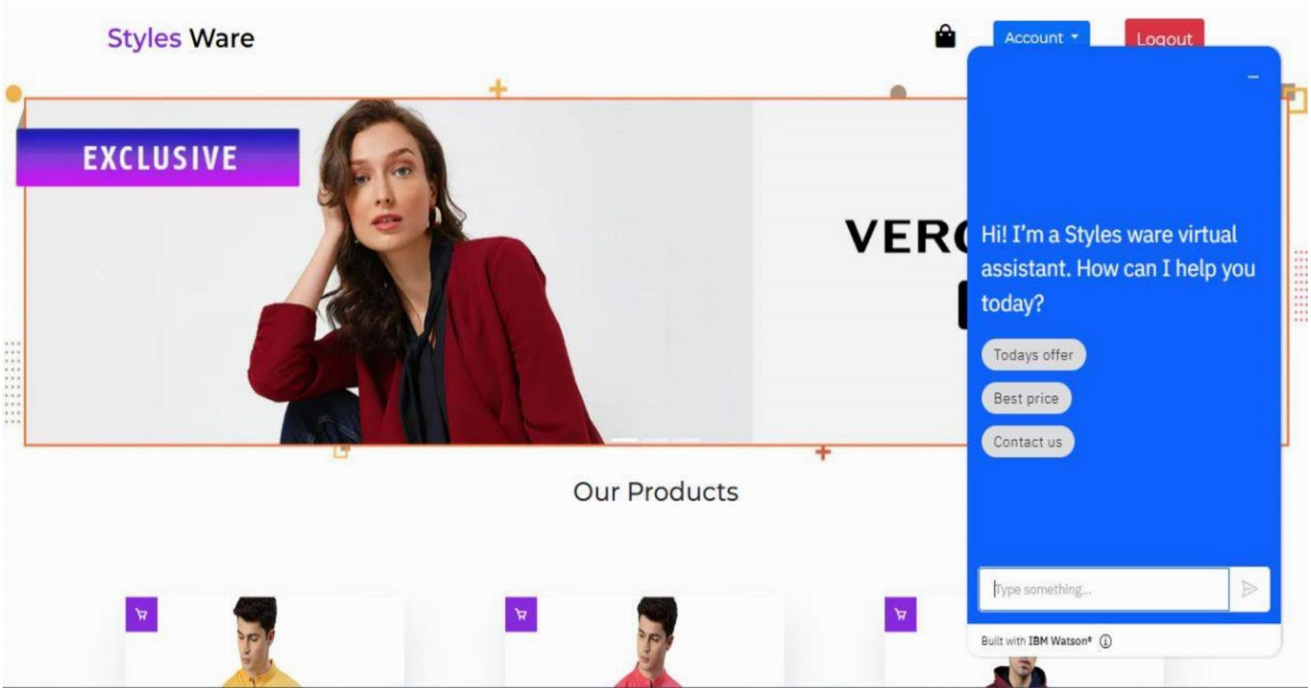


Home Page:

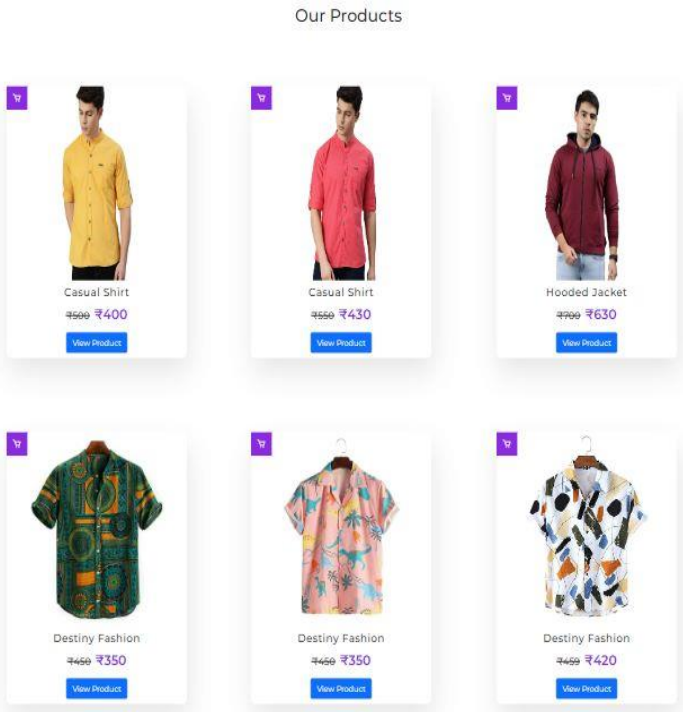


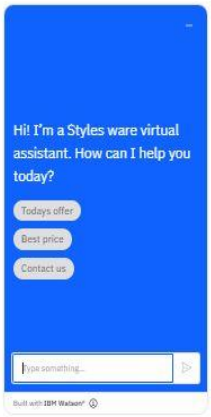
Integration Watson Chatbot Assistant:



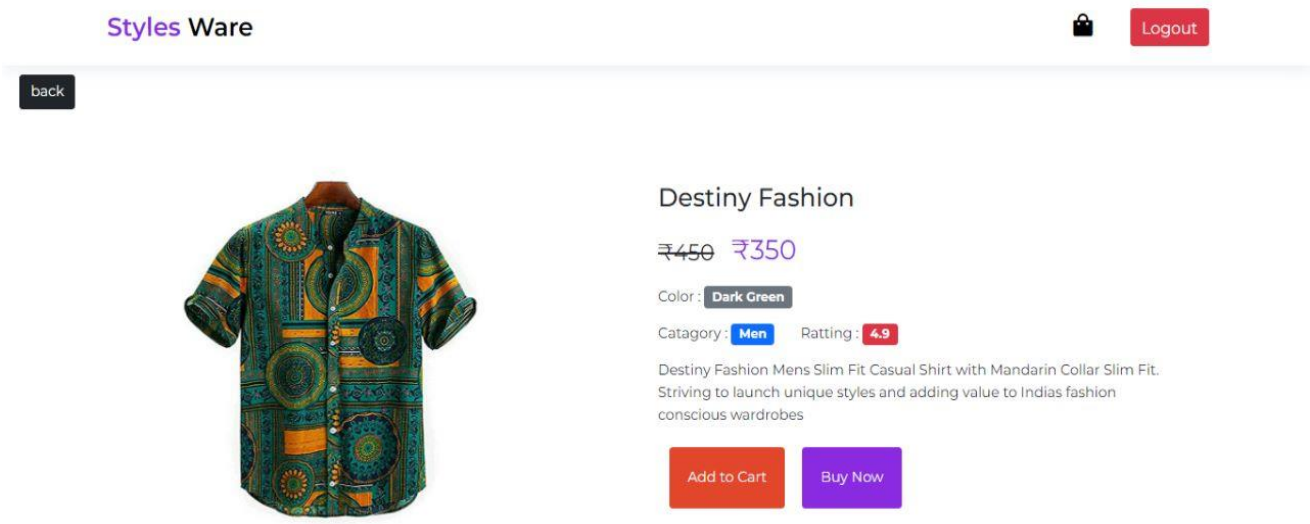


Product List:

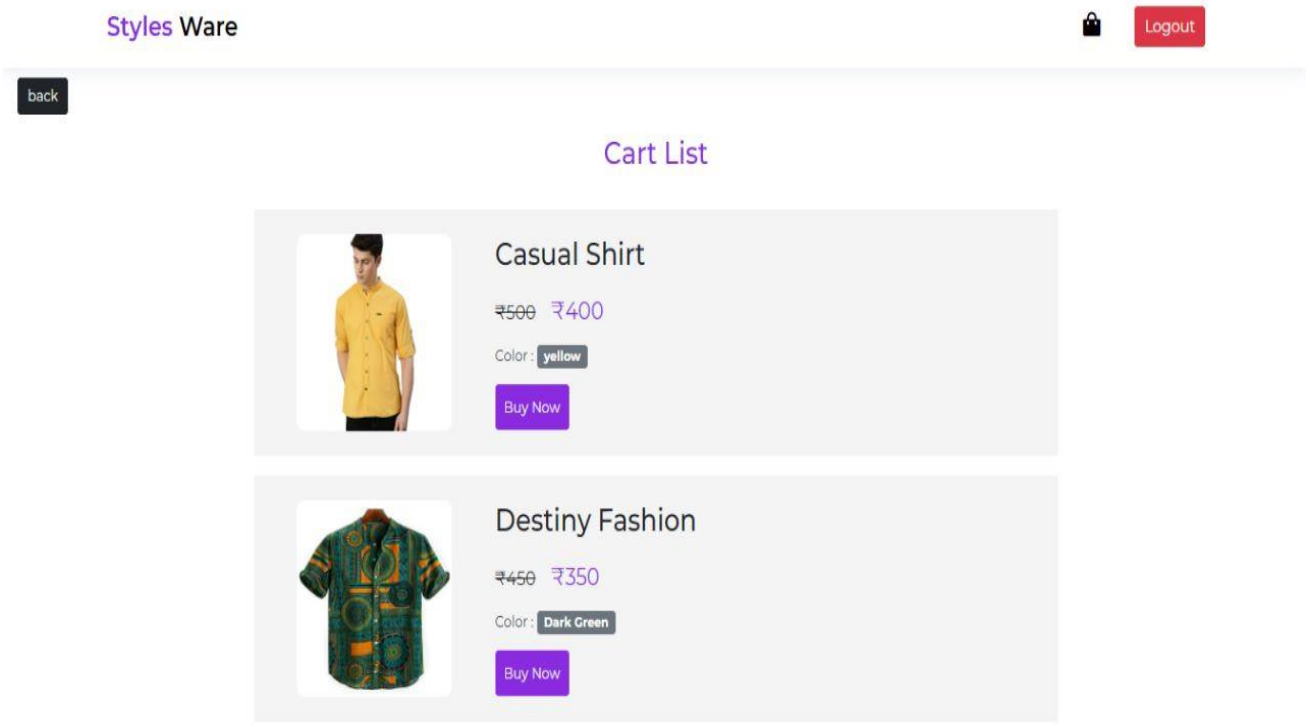




Use This View Selected Product:

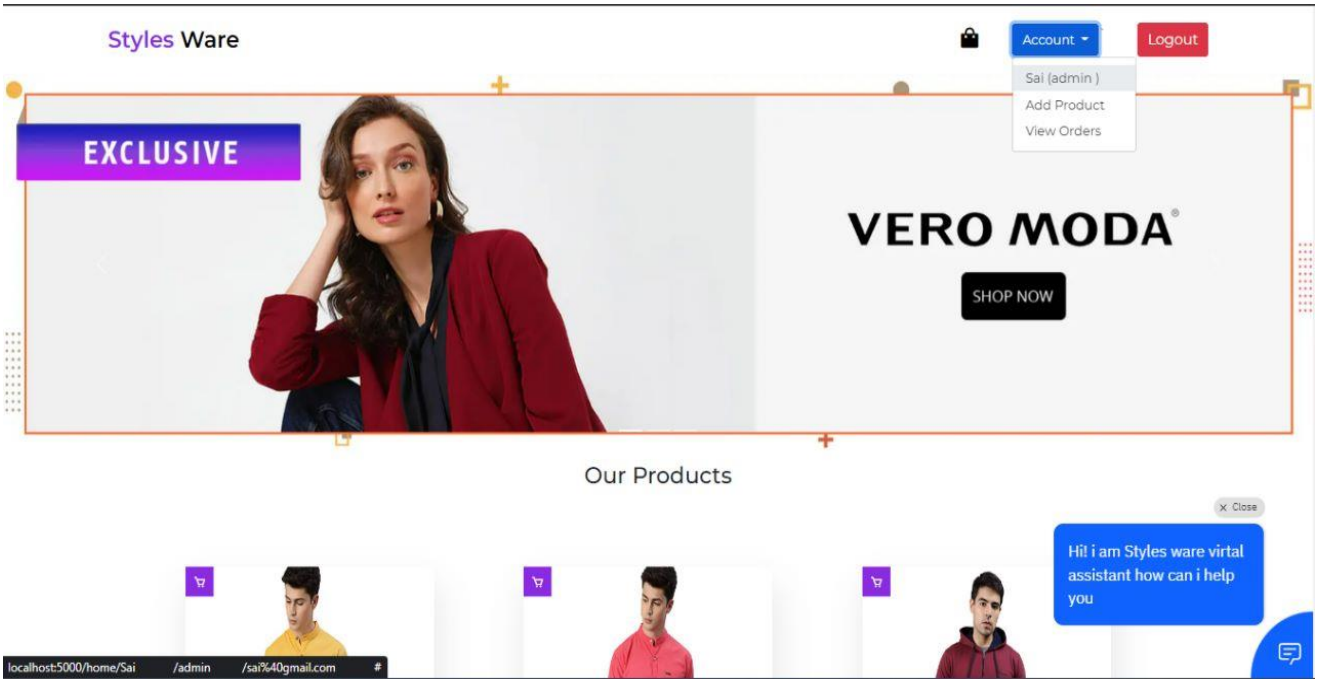


Cart List Page:

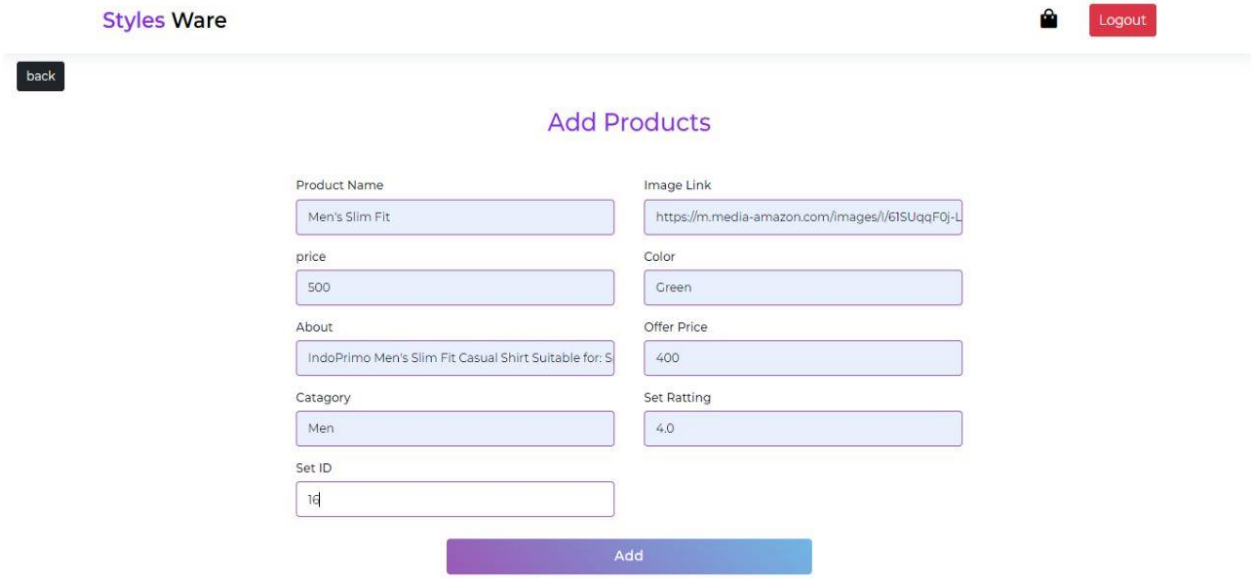


Admin Panel:

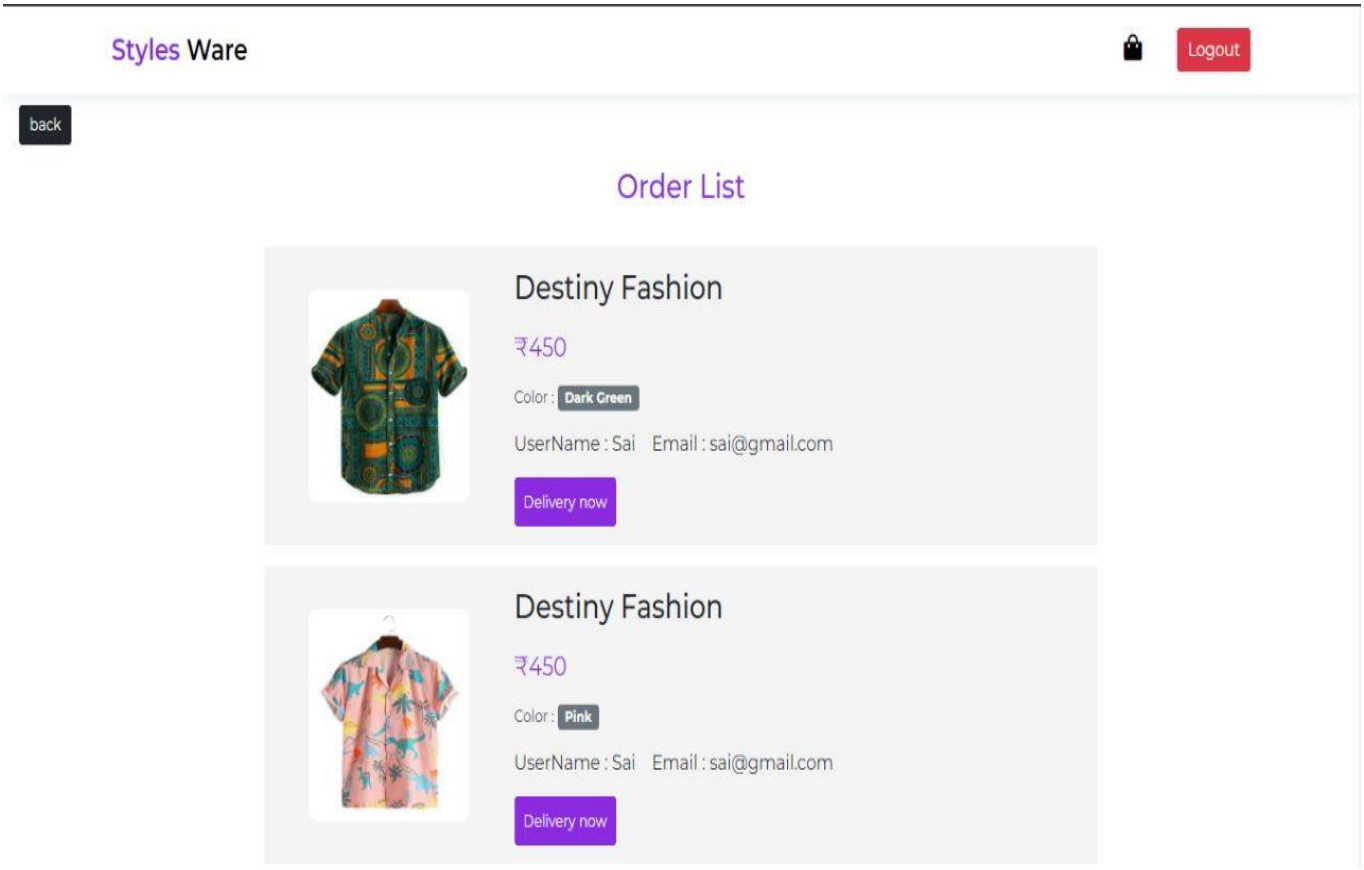
Admin Panel Home Page:



Add Product Page:



Orders List Page:



Admin Panel Home page Source code:

```
<!DOCTYPE html>

<html>

<head>

        <meta charset="utf-8">

        <meta name="viewport" content="width=device-width, initial-scale=1">

        <title>Ecommerce Website Design</title>


        <!----Custom css link---->

   <link rel="stylesheet" href="{{ url_for('static', filename='home.css') }}" />


        <link rel="stylesheet"href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">

        <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">


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

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

  <link
href="https://fonts.googleapis.com/css2?family=Montserrat:wght@100;200;300;400;500;600;700;800;
900&display=swap" rel="stylesheet">


</head>

<body>



        <!----header start--->

        <div class="header">

                <p style="color: rgb(0, 0, 0); text-align: center; font-size: 28px; font-weight: 600;"><span
style="color:blueviolet;">Styles</span> Ware</p>
```

```
                <div>
                        <a href="/viewCart" style="color: black;"><i class='bx bxs-shopping-bag'
></i></a>
                        <!-- <span class="badge bg-primary " style="font-size: 14px;"></span> -->

                        <div class="btn-group">
                                <button type="button" class="btn btn-primary dropdown-toggle" data-
bs-toggle="dropdown" aria-expanded="false">
                                        Account
                                </button>
                                <ul class="dropdown-menu">
                                        <li><a class="dropdown-item"
href="#">{{name}}({{role}})</a></li>
                                        <li><a class="dropdown-item" href="/addProductpage">Add
Product</a></li>
                                        <li><a class="dropdown-item" href="/orderpage">View
Orders</a></li>
                                </ul>`
                        </div>
                        <a href="/logout" style="font-size: 18px;" class="btn btn-danger">Logout</a>
                </div>
        </div>
        <div class="message">
                {% if msg %}
    <div class="alert alert-success alert-dismissible fade show" role="alert">
       {{msg}}
    <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
    </div>
        {% endif %}
        </div>
```

```
<div id="carouselExampleIndicators" class="carousel slide" data-bs-ride="carousel">

<div class="carousel-indicators">

<button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="0" class="active" aria-current="true" aria-label="Slide 1"></button>

<button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="1" aria-label="Slide 2"></button>

<button type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide-to="2" aria-label="Slide 3"></button>

</div>

<div class="carousel-inner">

<div class="carousel-item active">

<img src="https://sslimages.shoppersstop.com/sys-master/root/hf9/h97/28537514328094/Styles-to-Own-Static-Vero-Moda-Webutut.jpg" class="d-block w-100" alt="...">

</div>

<div class="carousel-item">

<img src="https://sslimages.shoppersstop.com/sys-master/root/h42/h34/28537507053598/Shopperstop-Stop-Selects-FRATINI-Webiwiiw.jpg" class="d-block w-100" alt="...">

</div>

<div class="carousel-item">

<img src="https://sslimages.shoppersstop.com/sys-master/root/h4e/h8d/28537506529310/Shopperstop-Stop-Selects-STOP-LIFE-Webksisikw.jpg" class="d-block w-100" alt="...">

</div>

</div>

<button class="carousel-control-prev" type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide="prev">

<span class="carousel-control-prev-icon" aria-hidden="true"></span>

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

</button>
```

```
  <button class="carousel-control-next" type="button" data-bs-target="#carouselExampleIndicators" data-bs-slide="next">
    <span class="carousel-control-next-icon" aria-hidden="true"></span>
    <span class="visually-hidden">Next</span>
  </button>
</div>



        <!----shop start--->
        <section class="shop" id="shop">
            <h3 style="text-align:center; font-size: 28px;">Our Products</h3>
            <div class="container">
                {% for product in products %}
                <div class="box">
                    <img src="{{product['IMG']}}" alt="img">
                    <h4>{{product['NAME']}}</h4>
                    <div class="price">
                        <h5>₹{{product['PRICE']}}</h5>
                        <p>₹{{product['OFFPRICE']}}</p>
                    </div>
                    <a href="/setProduct/{{product['SUB1']}}"
                    class="btn btn-primary"
                    >View Product</a>
                    <div class="cart" title="Add to cart">
                        <a href="#"><i class='bx bx-cart' ></i></a>
                    </div>
                </div>
                {% endfor %}
```

```
        </div>
    </section>

    <!----about start--->
    <section class="about" id="about">
        <div class="about-content">
            <h2>About</h2>
            <p>I'm a paragraph. Click here to add your own text and edit me. It’s easy. Just click “Edit Text” or double click me to add your own content and make changes to the font. I’m a great place for you to tell a story and let your users know a little more about you.</p>
        </div>
    </section>

    <!----contact start--->
    <section class="contact" id="contact">
        <div class="main-contact">
            <div class="contact-content">
                <li><a href="#shop">Shop</a></li>
              <li><a href="#about">About</a></li>
              <li><a href="#faq">Faq</a></li>
              <li><a href="#contact">Contact</a></li>
            </div>

            <div class="contact-content">
                <li><a href="#">Shipping & Returns</a></li>
                <li><a href="#">Store Policy</a></li>
                <li><a href="#">Payment Methods</a></li>
            </div>
```

```
                <div class="contact-content">
                        <li><a href="#">Contact</a></li>
                        <li><a href="#">Tel: 123-456-7890</a></li>
                </div>

                <div class="contact-content">
                        <li><a href="#">Facebook</a></li>
                        <li><a href="#">Instagram</a></li>
                        <li><a href="#">Pinterest</a></li>
                </div>

        </div>

        <div class="action">
                <form>
                        <input type="email" name="email" placeholder="Your Email" required>
                        <input type="submit" name="submit" value="Submit" required>
                </form>
        </div>
</section>

<div class="last">
        <p>© 2023 by Tahmid. Proudly created with Tahmid Ahmed</p>
</div>

<!----custom js link--->
<script src="{{ url_for('static', filename='home.js') }}"></script>
```

```
        <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p" crossorigin="anonymous"></script>

        <script>

  window.watsonAssistantChatOptions = {

    integrationID: "fc05e88a-9e7a-43a7-a707-3db931d45df6", // The ID of this integration.

    region: "au-syd", // The region your integration is hosted in.

    serviceInstanceID: "e5319e39-166f-463b-9da4-bd8699929c44", // 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>
```

Add Product Page Source Code:

```
<!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>View Product</title>
      <link rel="stylesheet" href="{{ url_for('static', filename='addProduct.css') }}" />


         <link rel="stylesheet"href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">
         <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">


  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
  <link
href="https://fonts.googleapis.com/css2?family=Montserrat:wght@100;200;300;400;500;600;700;800;
900&display=swap" rel="stylesheet">
</head>
<body>
   <div class="header">
                  <p style="color: rgb(0, 0, 0); text-align: center; font-size: 28px; font-weight: 600;"><span
style="color:blueviolet;">Styles</span> Ware</p>
                  <div>
                        <a href="/viewCart" style="color: black;"><i class='bx bxs-shopping-bag'
></i></a>
                        <span class="badge bg-primary " style="font-size: 14px;">{{role}}</span>
```

```
                        <a href="/logout" style="font-size: 18px;" class="btn btn-danger">Logout</a>

                    </div>
                </div>
    <a href="/back" class="btn btn-dark" style="margin:10px 0px 0px 20px ;">back</a>

<div class="message">
                    {% if msg %}
    <div class="alert alert-success alert-dismissible fade show" role="alert">
        {{msg}}
    <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
    </div>
         {% endif %}
         </div>

<div class="container">
    <h2 style="text-align:center ; color: blueviolet; padding:20px ;">Add Products</h2>
         <div class="content">
  <form action="/addproduct" method="post">
    <div class="user-details">
      <div class="input-box">
        <span class="details">Product Name</span>
        <input type="text"  name="name" maxlength="15" required>
      </div>

      <div class="input-box">
        <span class="details">Image Link</span>
        <input type="text"  name="img" maxlength="100" required>
      </div>
```

```
<div class="input-box">
  <span class="details">price</span>
  <input type="text" name="price" maxlength="10" required>
</div>

<div class="input-box">
  <span class="details">Color</span>
  <input type="text" name="color" maxlength="12" required>
</div>

<div class="input-box">
  <span class="details">About</span>
  <input type="text" name="about" maxlength="250"  required>
</div>

<div class="input-box">
  <span class="details">Offer Price</span>
  <input type="text" name="offprice" maxlength="5" required>
</div>

 <div class="input-box">
  <span class="details">Catagory</span>
  <input type="text" name="Catagory" maxlength="10" required>
</div>

<div class="input-box">
  <span class="details">Set Ratting</span>
  <input type="text" name="ratting" maxlength="10" required>
```

```
        </div>

        <div class="input-box">
          <span class="details">Set ID</span>
          <input type="text" name="id" maxlength="5" required>
        </div>

      </div>
      <div class="button">
        <input type="submit" value="Add">
      </div>
    </form>
  </div>
        </div>
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
crossorigin="anonymous"></script>
</body>
</html>
```

View orders page source code:

```
<!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>Orders</title>

      <link rel="stylesheet" href="{{ url_for('static', filename='viewOrder.css') }}" />


         <link rel="stylesheet"href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">

         <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">


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

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

  <link
href="https://fonts.googleapis.com/css2?family=Montserrat:wght@100;200;300;400;500;600;700;800;
900&display=swap" rel="stylesheet">

</head>

<body>

   <div class="header">

                  <p style="color: rgb(0, 0, 0); text-align: center; font-size: 28px; font-weight: 600;"><span
style="color:blueviolet;">Styles</span> Ware</p>

                  <div>

                        <a href="/viewCart" style="color: black;"><i class='bx bxs-shopping-bag'
></i></a>

                        <span class="badge bg-primary " style="font-size: 14px;">{{role}}</span>

                        <a href="/logout" style="font-size: 18px;" class="btn btn-danger">Logout</a>
```

```
                </div>
            </div>
        <a href="/back" class="btn btn-dark" style="margin:10px 0px 0px 20px ;">back</a>

    <div class="message">
                {% if msg %}
        <div class="alert alert-success alert-dismissible fade show" role="alert">
            {{msg}}
        <button type="button" class="btn-close" data-bs-dismiss="alert" aria-label="Close"></button>
        </div>
            {% endif %}
            </div>

    <div class="container">
        <h2 style="text-align:center ; color: blueviolet; padding:20px ;">Order List</h2>
                        {% for order in orders %}
                        <div class="cart-item">
                                <div class="img-cart">
                <img src="{{order['IMG']}}" alt="img">
            </div>
            <div class="cart-detail">
                <h2>{{order['NAME']}}</h2>
                <div class="price-part">
                <p>₹{{order['PRICE']}}</p>
                </div>
                <P>Color : <span class="badge bg-secondary " style="font-size:
14px;">{{order['COLOR']}}</span></P>
                <div  class="user">
```

```
                <p>UserName : <span>{{order['USER']}}</span> </p>
                 <p>Email :  <span> {{order['EMAIL']}}</span> </p>


              </div>
              <a class="btn" href="/delivery">Delivery now</a>
            </div>
                            </div>
                            {% endfor %}
                    </div>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p" crossorigin="anonymous"></script>
</body>
</html>
```

Business Logic code for entire Project:

```
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
from localStoragePy import localStoragePy

conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=8e359033-a1c9-4643-82ef-8ac06f5107eb.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30120;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=glp92926;PWD=EG6HdcoRqEbMWRsL ", '', '')

app = Flask(_name_)
app.secret_key="abc123"

def getList():
    products = []
    sql = "SELECT * FROM PRODUCTS"
    stmt = ibm_db.exec_immediate(conn, sql)
    dictionary = ibm_db.fetch_both(stmt)
    while dictionary != False:
      products.append(dictionary)
      dictionary = ibm_db.fetch_both(stmt)
    return products

def getOrders():
    orders = []
    sql = "SELECT * FROM ORDERS"
    stmt = ibm_db.exec_immediate(conn, sql)
    dictionary = ibm_db.fetch_both(stmt)
    while dictionary != False:
```

```
      orders.append(dictionary)
      dictionary = ibm_db.fetch_both(stmt)
    return orders



@app.route("/logout")
def logout():
    return redirect("/")

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



@app.route("/orderpage")
def orderpage():
    orders =  getOrders()
    return render_template('viewOrders.html', orders=orders)

@app.route('/delivery')
def delivery():
    name = session['user']
    role = session['role']
    email = session['email']
    products = getList()
    return render_template('home.html', name=name, role=role, products=products, email=email,msg =
"Product Dispatched Successfull to Customer !")
```

```
@app.route('/')
def login():
    return render_template('login.html')


@app.route('/register')
def register_Page():
    return render_template('register.html')



@app.route('/home/<name>/<role>/<email>')
def home_Page(name,role,email):
    products= getList()


    return render_template('home.html', name=name, role=role, products=products ,email=email)

@app.route('/back')
def back():
    name = session['user']
    role = session['role']
    email = session['email']
    products = getList()
    return render_template('home.html', name=name, role=role, products=products, email=email)



@app.route('/offerproduct')
def offProduct():
    products = getList()
    return render_template('offerproduct.html', products=products)
```

```
@app.route('/addproduct', methods=['GET', 'POST'])
def addproduct():
    pname = request.form['name']
    pimg = request.form['img']
    pprice = request.form['price']
    pcolor = request.form['color']
    pabout = request.form['about']
    poffprice = request.form['offprice']
    pcatagory = request.form['Catagory']
    pratting = request.form['ratting']
    pids = request.form['id']


    if request.method == 'POST':
        insert_sql = "INSERT INTO PRODUCTS VALUES (?,?,?,?,?,?,?,?,?,?)"
        prep_stmt = ibm_db.prepare(conn, insert_sql)
        ibm_db.bind_param(prep_stmt, 1, pname)
        ibm_db.bind_param(prep_stmt, 2, pimg)
        ibm_db.bind_param(prep_stmt, 3, pprice)
        ibm_db.bind_param(prep_stmt, 4, pcolor)
        ibm_db.bind_param(prep_stmt, 5, pabout)
        ibm_db.bind_param(prep_stmt, 6, poffprice)
        ibm_db.bind_param(prep_stmt, 7,pcatagory )
        ibm_db.bind_param(prep_stmt, 8,pratting)
        ibm_db.bind_param(prep_stmt, 9,pids)
        ibm_db.bind_param(prep_stmt, 10, 'nul')
        ibm_db.execute(prep_stmt)
```

```
    name = session['user']
    role = session['role']
    email = session['email']
    products = getList()
    return render_template('home.html', name=name, role=role, products=products, email=email,
msg="Product Added Successfully!")


@app.route('/addUser', methods=['GET', 'POST'])
def addUser():
    Fname = request.form['fname']
    Lname = request.form['lname']
    email = request.form['email']
    password = request.form['password']
    re_Password = request.form['confirm_password']
    if password == re_Password:
        if request.method == 'POST':

            sql = "SELECT * FROM USERS WHERE EMAIL =?"
            stmt = ibm_db.prepare(conn, sql)
            ibm_db.bind_param(stmt, 1, email)
            ibm_db.execute(stmt)
            account = ibm_db.fetch_assoc(stmt)
            print(account)
            if account:
                return render_template('login.html', msg="You are already a member, please login using your
details")
```

```
        else:
            insert_sql = "INSERT INTO USERS VALUES (?,?,?,?,?)"
            prep_stmt = ibm_db.prepare(conn, insert_sql)
            ibm_db.bind_param(prep_stmt, 1, Fname)
            ibm_db.bind_param(prep_stmt, 2, Lname)
            ibm_db.bind_param(prep_stmt, 3, email)
            ibm_db.bind_param(prep_stmt, 4, password)
            ibm_db.bind_param(prep_stmt, 5, 'customer')
            ibm_db.execute(prep_stmt)
            return render_template('login.html', msg="User Registered Successfully, Please Login")
    else:
        return render_template('register.html', msg = "password Not Match")



@app.route('/main', methods=['GET', 'POST'])
def loginUser():
    email = request.form['email']
    password = request.form['password']
    if request.method == 'POST':
        sql = "SELECT * FROM USERS WHERE EMAIL=? AND PASSWORD=?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt, 1, email)
        ibm_db.bind_param(stmt, 2, password)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)

        if account:
            # session['account'] = account
            name = account['FIRST_NAME']
```

```
            role = account['ROLE']
            email = account['EMAIL']
            session['email'] = account['EMAIL']
            session['user'] = account['FIRST_NAME']
            session['role'] = account['ROLE']
            session.modified = True
            return redirect(url_for('home_Page',name=name,role=role,email=email))
            # return render_template('home.html', user=account, msg="Login
successful!",products=products)
        else:
            return render_template('login.html', msg="Incorrect Email / Password")



@app.route('/setProduct/<id>')
def viewProduct(id):
    sql = "SELECT * FROM PRODUCTS WHERE SUB1 =?"
    stmt = ibm_db.prepare(conn, sql)
    ibm_db.bind_param(stmt, 1, id)
    ibm_db.execute(stmt)
    poduct = ibm_db.fetch_assoc(stmt)



    return render_template('viewProduct.html', product=poduct)



@app.route('/directBuy/<id>')
def directBuy(id):
    sql = "SELECT * FROM PRODUCTS WHERE SUB1 =?"
    stmt = ibm_db.prepare(conn, sql)
```

```
    ibm_db.bind_param(stmt, 1, id)
    ibm_db.execute(stmt)
    product = ibm_db.fetch_assoc(stmt)
    name = product['NAME']
    img = product['IMG']
    color = product['COLOR']
    price = product['PRICE']
    user = session['user']
    email = session['email']

    insert_sql = "INSERT INTO ORDERS VALUES (?,?,?,?,?,?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prep_stmt, 1, name)
    ibm_db.bind_param(prep_stmt, 2, img)
    ibm_db.bind_param(prep_stmt, 3, color)
    ibm_db.bind_param(prep_stmt, 4, price)
    ibm_db.bind_param(prep_stmt, 5, user)
    ibm_db.bind_param(prep_stmt, 6, email)
    ibm_db.execute(prep_stmt)

    products = getList()
    role = session['role']



    return render_template('home.html', products=products, role=role,msg="Order placed successfull")



@app.route('/addtocart/<id>')
def addtocart(id):
```

```
    sql = "SELECT * FROM PRODUCTS WHERE SUB1 =?"
    stmt = ibm_db.prepare(conn, sql)
    ibm_db.bind_param(stmt, 1, id)
    ibm_db.execute(stmt)
    product = ibm_db.fetch_assoc(stmt)
    name = product['NAME']
    img = product['IMG']
    color = product['COLOR']
    price = product['PRICE']
    offPrice = product['OFFPRICE']
    i = product['SUB1']

    if 'cart' not in session:
        session['cart'] = []

    session['cart'].append({'id':i,'name':name,'img':img,'color':color,'price':price,'offprice':offPrice})
    session.modified = True

    print(session['cart'])
    print(len(session['cart']))
    session['msg'] = "Product added successfully!"
    session.modified = True

    return redirect(url_for('viewProduct_', id=id))

@app.route('/setProduct_/<id>')
def viewProduct_(id):
    sql = "SELECT * FROM PRODUCTS WHERE SUB1 =?"
    stmt = ibm_db.prepare(conn, sql)
```

```
    ibm_db.bind_param(stmt, 1, id)
    ibm_db.execute(stmt)
    poduct = ibm_db.fetch_assoc(stmt)



    return render_template('viewProduct.html', product=poduct, msg="Product Added Successfully")



@app.route('/viewCart')
def viewCart():
    products = session['cart']
    print(products[0]['name'])

    return render_template('cart.html',products=products)
```