

Project Name	Smart Fashion Recommender Application
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Create a Flask App

Solution:

```
from flask import Flask, render_template
app = Flask(__name__)
@app.route ("/signin")
def sign_in():
    return render_template("signin.html")
@app.route ('/signup')
def sign_up():
    return render_template("signup.html")
@app.route ('/')
def home():
    return render_template("home.html")
@app.route ('/about')
def about():
    return render_template("about.html")
if __name__ == '__main__':
    app.run(debug=True)
```

Add the Home page, About Page

Solution:

Home Page:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <link
      href="https://fonts.googleapis.com/css?family=Roboto&display=swap"
      rel="stylesheet"
    />
```

```
<link
  rel="stylesheet"
  href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.13.0/css/all.min.css"
/>
<link rel="stylesheet" href="/static/style2.css" />
<title>Fashion</title>
</head>
<body>
  <header>
    <nav>
      <div class="logo">
        <h1>FASHION</h1>
      </div>
      <ul class="list-items">
        <li><a href="#" class="link">HOME</a></li>
        <li><a href="#" class="link">COLLECTION</a></li>
        <li><a href="#" class="link">CONTACT US</a></li>
        <li><a href="#" class="link">ABOUT US</a></li>
      </ul>

      <div class="nav-btns">
        <a href="#" class="btn-nav-i"><i class="fas fa-cart-plus"></i></a>
        <a href="#" class="btn-nav-i"><i class="fas fa-search"></i></a>
      </div>
    </nav>
    <div class="main">
      <div class="main-left">
        <div class="social-media">
          <a href="#" class="s-btn"><i class="fab fa-facebook-f"></i></a>
          <a href="#" class="s-btn"><i class="fab fa-twitter"></i></a>
          <a href="#" class="s-btn"><i class="fab fa-instagram"></i></a>
        </div>
        <div class="banner">
          <div class="f-text">
            <h1>
              FASHION
              <br />
              <span>MADE</span>
              <br />
              SIMPLE.
            </h1>
          </div>
          <a href="#" class="btn">SHOP NOW</a>
        </div>
      </div>
      <div class="main-right">
        
      </div>
    </div>
  </header>
```

```
</body>
</html>
```

About page :

```
<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>
<body style="background-color:powderblue;">
<body background="C:\Users\Rakesh\Desktop\Ass\img\img2.jpg"style="backg round
-size: cover;">
<h1 style="text-align: center;">About us</h1>
<p style="font-family: Verdana, Geneva, Tahoma, sans-serif;fontsize:
large;">Retailers worldwide have started deploying smart service innovations
in their stores to regain market share lost to online competitors.
Against this backdrop, this p
aper focuses on the design of product recommendation systems for fashion
stores. Our research particu
larly aims at answering the issues of
whether and to what extent (i) the sensing capabilities of smar
t fashion retail environments and (ii) the integration of contextual
information can improve the quality o
f such reco mmendations. To this end, we consider smart fitting rooms with
the ability to detect prod
ucts 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 pr
eliminary analyses indicate that sensor information regarding garment and
user identification, as well
as further context data help to improve product recommendations in
fashion stores.
</p>
</body>
</body>
</html>
```

Add the Bootstrap

```

1 <!-- Connect Bootstrap -->
2 <link
3   href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
4   rel="stylesheet"
5 />

```

Add the Sign in page and App the Signup Page + database connectivity

Solution:

Sign in 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>smart fashion</title>
  <link rel="stylesheet" href="/static/style.css">
</head>
<body>
  <div class="container">
    <div class="second">

      <form>
        <fieldset>
          <legend>LOGIN</legend><br><br>
          <input type="email" class="input-box"
placeholder="Your Email Id" required><br><br><br>
          <input type="Password" class="input-box"
placeholder="Password" required>
          <button type="submit" class="submit-btn" ><a
href="home">submit</a></button><br>
          <input type="checkbox"><span>Remember Me</span>
        </fieldset>
      </form>
      Not a member?<a href="register"> Register here</a><br><br>
      <a href="">Forgot Password</a>
    </div>
  </div>

```

```

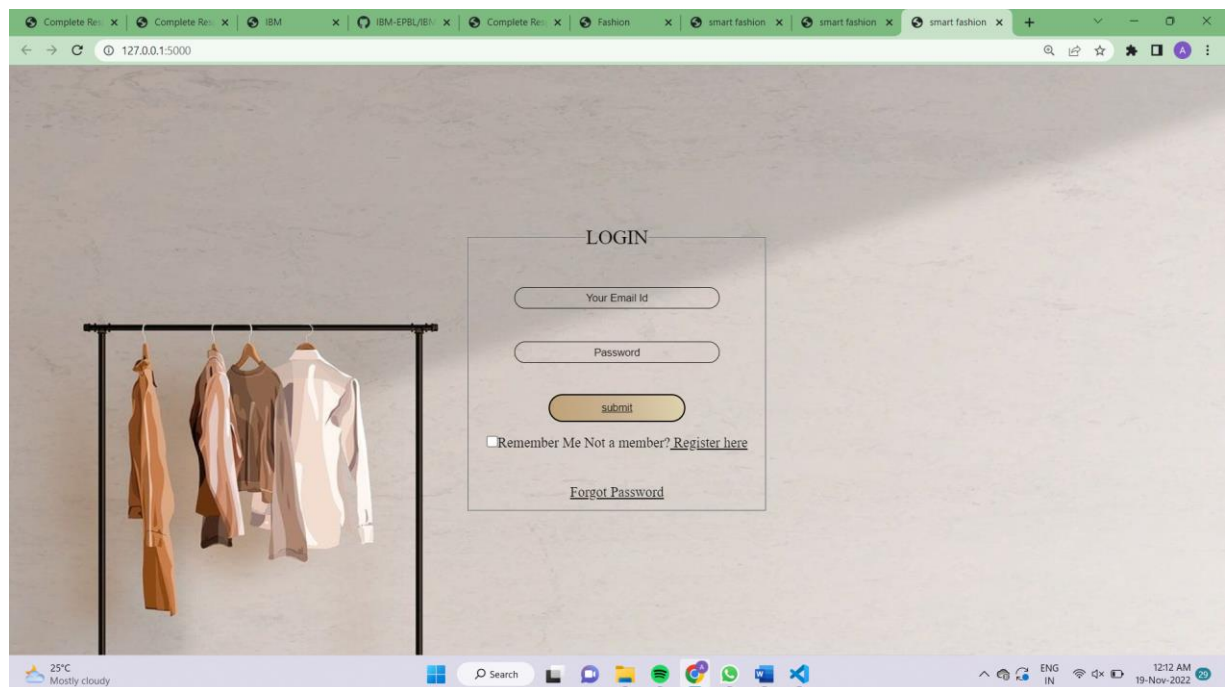
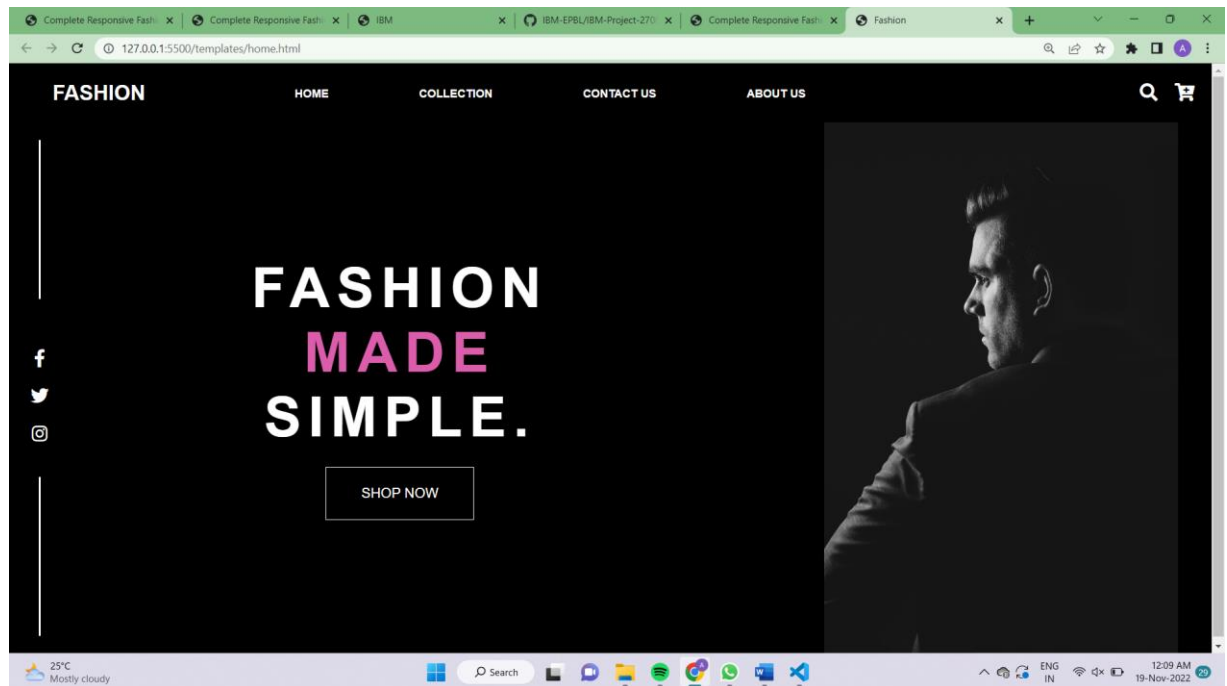
    </div>
  </div>
</div>
</div>
</div>
</div>
</body>
</html>

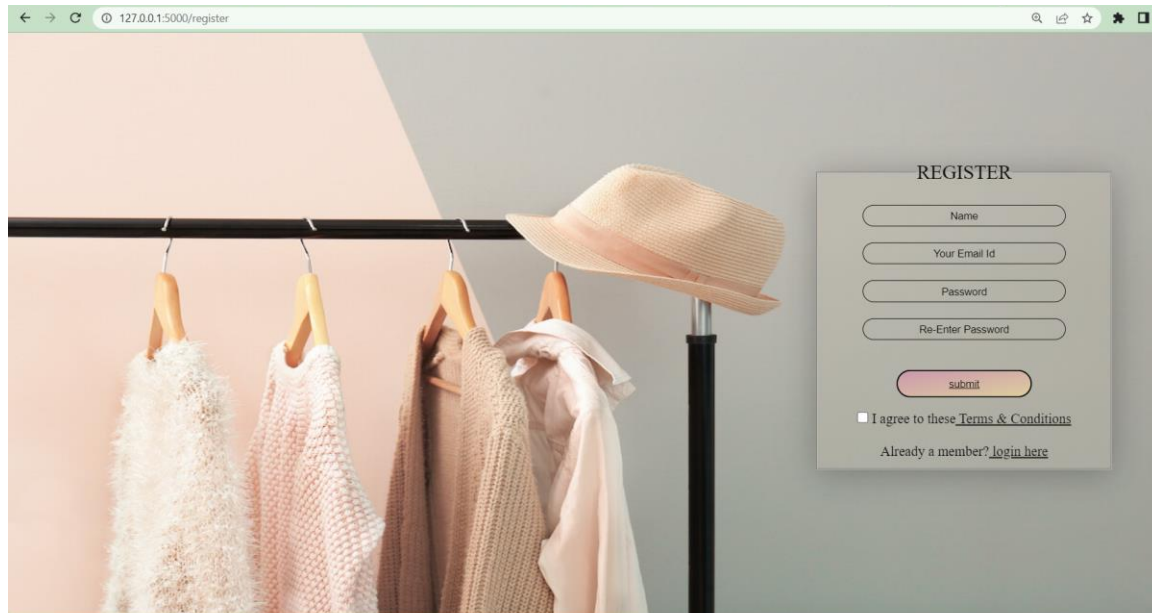
```

Sign up 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>smart fashion Register page</title>
  <link rel="stylesheet" href="/static/style.css">
</head>
<body>
  <div class="container">
    <div class="first">
      <form>
        <fieldset>
          <legend>REGISTER</legend><br>
          <input type="name" class="input-box"
placeholder="Name" required><br><br>
          <input type="email" class="input-box"
placeholder="Your Email Id" required><br><br>
          <input type="Password" class="input-box"
placeholder="Password" required><br><br>
          <input type="Re-Enter Password" class="input-box"
placeholder="Re-Enter Password" required>
          <button type="submit" class="submit-btn" ><a
href="/">submit</a></button><br>
          <input type="checkbox" id="checkbox">
          <label for="checkbox">I agree to these<a href="#">
Terms & Conditions</a></label>
        </fieldset>
      </form><br>
      Already a member?<a href="/"> login here</a><br><br>
    </div>
  </div>
</div>
</div>
```

```
</body>  
</html>
```





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.