Project Name	Smart Fashion Recommender Application
Team ID	PNT2022TMID50137

Create a Flask App

Solution:

```python
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:

```html
<!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>
```
        Home Page:

```html
<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'>Ab
                    out
Us</a> </li>




a> </li>




nup</a> </li>


<li class="nav-item">
<a class="nav-link active"
href="C:\Users\Rakesh\Desktop\Ass\signin.html">Signin</

    <li class="nav-item">
        <a class="nav-link active"
         href="C:\Users\Rakesh\Desktop\Ass\signup.html">Sig

                </ul>
            </div>
        </nav>
```

```html
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/b
ootstrap.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>
```

About page :

```html
<!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>
</head>
<body
background="C:\Users\Rakesh\Desktop\Ass\img\img2.jpg"style
="background-size: cover;">
    <h1 style="text-align: center;">About us</h1>
    <p style="font-family: Verdana, Geneva, Tahoma, sans-
serif;font- size: large;">Retailers worldwide have started
deploying smart serviceinnovations 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; andcontextual 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 wellas further context data help to
        improve
                product recommendations in fashion stores.
            </p>

    </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>
```

```html
    <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/et3URy9Bv
1WTRi" 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-blockmb-4">Sign in</button>

        <!-- Register buttons -->
        <div class="text-center">
            <p>Not a member? <a href="signup.html">Signup</a>
```

```html
                    <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/b
ootstrap.bundle.min.js" integrity="sha384-
OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8
Qbsw3" crossorigin="anonymous"></script>
</body>
</html>
```

Sign up Page:

```html
<!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 -->
```

```html
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css
/bootstrap.min.css" rel="stylesheet" integrity="sha384-
Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv
1WTRi" crossorigin="anonymous">
</head>

<body>
    <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;">




2 order-lg-1">

<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-



                              <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">



    center mb-4">



    s="form-control" />

  <div class="d-flex flex-row align-items-

    <i class="fas fa-user fa-lg me-3 fa-fw"></i>
```

```html
        <div class="form-outline flex-fill mb-0">
          <input type="text" id="form3Example1c" clas

          <label class="form-

  label" for="form3Example1c">Your Name</label>
                                </div>
                            </div>




        center mb-4">fw"></i>




        ss="form-control" />

    <div class="d-flex flex-row align-items-

      <i class="fas fa-envelope fa-lg me-3 fa-

      <div class="form-outline flex-fill mb-0">
        <input type="email" id="form3Example3c" cla

        <label class="form-

          label" for="form3Example3c">Your
                Email</label>
                                </div>
                            </div>




        center mb-4">




        class="form-control" />

  <div class="d-flex flex-row align-items-

    <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"
```

```
            <label class="form-

      label" for="form3Example4c">Password</label> </div>

                              </div>



        center mb-4">



          class="form-control" />

<div class="d-flex flex-row align-items-

  <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"

    <label class="form-

          label" for="form3Example4cd">Repeat your
                    password</label>
                          </div>
                        </div>



        center mb-5">

            <div class="form-check d-flex justify-content-

      <input class="form-check-input me-

    2" type="checkbox" value="" id="form2Example3c" />
                              <label class="form-check-
    label" for="form2Example3">


    s of service</a>
```

```html
4 mb-3 mb-lg-4">

    I agree all statements in <a href="#!">Term

  </label>
</div>

<div class="d-flex justify-content-center mx-

                            <button
type="button" class="btnbtn-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>
  <!-- JavaScript Bundle with Popper -->
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/b
ootstrap.bundle.min.js" integrity="sha384-
OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8
Qbsw3" crossorigin="anonymous"></script>
</body>
</html>
```

Smart Fashion Recommender Application

Welcome to Smart Fashion Recommender Application.

Email address

Password
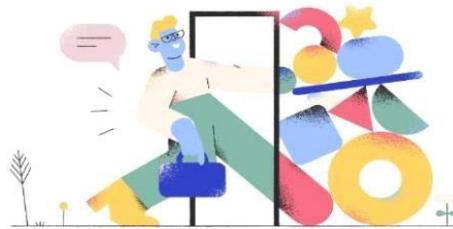
Sign in

Not a member? Signup

Sign up

Your Name

Your Email

Password

Repeat your password

☐ I agree all statements in Terms of service

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.