

Project Name	Smart Fashion Recommender Application
Team ID	PNT2022TMID06588

## 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>
    <title>Home</title>
    <!-- Connect Bootstrap -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/b
ootstrap.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">Sig
nup</a> </li>
</ul>
</div>
</nav>
<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
Applic ation</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 :

```

<!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="backg
round-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
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 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.

</body>

</html>

Add the Bootstrap



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>Document</title>
  <!-- CSS only -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootst
rap.min.css" rel="stylesheet" integrity="sha384-
Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeu0xjzrPF/et3URy9Bv1WTRi"
cross origin="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>
        </div>
      </div>
    </form>
    <!-- JavaScript Bundle with Popper -->
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/boots
trap.bundle.min.js" integrity="sha384-
0ERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJua0e923+mo//f6V8Qbsw3"
cross origin="anonymous"></script>
  </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>Document</title>
```

```
<!-- CSS only -->
```

```
<link
```

```
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootst  
trap.min.css" rel="stylesheet" integrity="sha384-  
Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeu0xjzrPF/et3URy9Bv1WTRi"  
cross origin="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;">
```

```
<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" clas  
s="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" cla
ss="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="#!">Term
s 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">

```

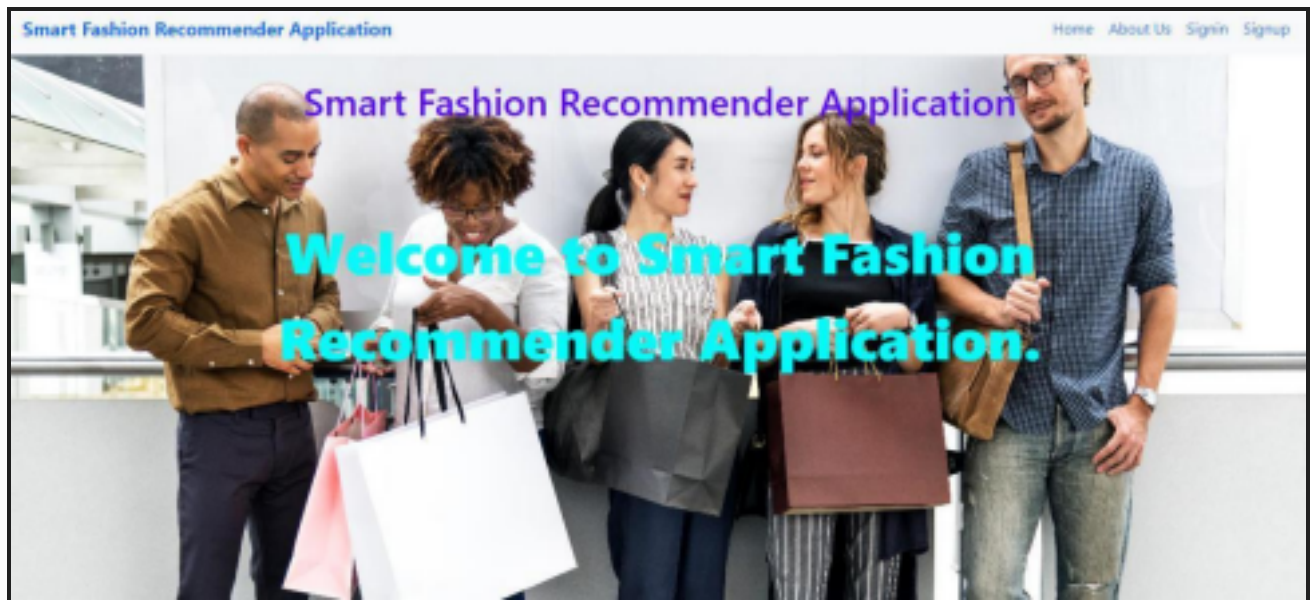
```



</div>
</div>
</div>
</div>
</div>
</div>
</div>
</section>
<!-- JavaScript Bundle with Popper -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootst
trap.bundle.min.js" integrity="sha384-
OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJua0e923+mo//f6V8Qbsw3" cross
origin="anonymous"></script>
</body>

</html>

```



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.

