

Project Name	Smart Fashion Recommender Application
Team ID	PNT2022TMID07355

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">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/>
    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 :

```

<!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,
sansserif;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
paper 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>
</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>Document</title> <!-- CSS
only -->

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/boots
trap.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-
c ontrol" />
      <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/boots
trap.bundle.min.js" integrity="sha384-
OERcA2EqjJCMA+/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>

```



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

</html>
```




