

Assignment -2

Assignment Date	15 September 2022
Student Name	Susanthy U
Student Roll Number	2021T307
Maximum Marks	2 Marks

Question-1:

1. Create a Flask App
2. Add a Home page, About page
3. Add the Bootstrap
4. Add the Sign in page and Signup page

Solution :

HTML :

Home page :

```
<!doctype html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
    content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
    minimum-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Homepage</title>
  <link rel="stylesheet" href="{{ url_for('static',filename='css/homepage.css') }}" />
</head>
<body>
<div class="banner-area">
  <div class="wrapper">
    <div class="navigation">
      <div class="logo">

      </div>
      <nav>
        <a href="http://127.0.0.1:5000/about" ><BUTTON
class="button"><strong>About</strong></BUTTON></a>
        <a href="http://127.0.0.1:5000/sign" ><BUTTON class="button"><STRONG>Sign
in</STRONG></button></a>
        <a href="http://127.0.0.1:5000/signup" ><button class="button"><STRONG>Sign
up</STRONG></button></a>
      </nav>
    </div>

    <div class="banner-text">
```

```

<div class="text-area">

    <h3 class="new">Welcome to My New Project</h3>

    <a href="#" >Dashboard</a>
</div>
</div>
</div>
</body>
</html>

```

About page :

```

<!doctype html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
        minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>aboutPage</title>
    <link rel="stylesheet" href="{{ url_for('static',filename='css/about.css') }}" />
</head>
<body>

    <div class="about-section">
        <h2>About Us Page</h2>
        <p>Hi All I am Susanthi, I created this page for my college naliyathiran project and it is
        helpful to improve our Knowledge</p>
        <p></p>
    </div>

    <h2 style="text-align:center">Thank You</h2>
</body>
</html>

```

Signin page :

```

<!doctype html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport"
        content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
        minimum-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">

```

```

<title>Sign in</title>
<link rel="stylesheet" href="{{ url_for('static',filename='css/sign.css') }}" />
</head>
<body>
<form>
<div class="container">
<label for="uname"><b>Username</b></label>
<input type="text" placeholder="Enter Username" name="uname" required>

<label for="psw"><b>Password</b></label>
<input type="password" placeholder="Enter Password" name="psw" required>

<button type="submit">Login</button>
<label>
<input type="checkbox" checked="checked" name="remember"> Remind me
</label>
</div>

<div class="container" style="background-color:#f1f1f1">
<button type="button" class="cancelbtn">Cancel</button>
<span class="psw">Forgot <a href="#">password?</a></span>
</div>
</form>
</body>
</html>

```

Signup page :

```

<!doctype html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport"
content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0,
minimum-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<title>Sign up</title>
<link rel="stylesheet" href="{{ url_for('static',filename='css/signup.css') }}" />
</head>
<body>
<form style="border:1px solid #ccc">
<div class="container">
<h1>Sign Up</h1>
<p>Please fill in this form to create an account.</p>
<hr>

<label for="email"><b>Email</b></label>
<input type="text" placeholder="Enter Email" name="email" required>

```

```

<label for="psw"><b>Password</b></label>
<input type="password" placeholder="Enter Password" name="psw" required>

<label for="psw-repeat"><b>Repeat Password</b></label>
<input type="password" placeholder="Repeat Password" name="psw-repeat" required>

<label>
  <input type="checkbox" checked="checked" name="remember" style="margin-
bottom:15px"> Remind me
</label>

<p>By creating an account you agree to our <a href="#" style="color:red">Terms &
Privacy</a>.</p>

<div class="clearfix">
  <button type="button" class="cancelbtn">Cancel</button>
  <button type="submit" class="signupbtn">Sign Up</button>
</div>
</div>
</form>
</body>
</html>

```

CSS :

Home page :

```

*{
  margin: 0;
  padding: 0;
}
body{
  font-family:"Times New Roman";
}
.wrapper{
  width: 1170px;
  margin: 0 auto;
}
.logo{
  width: 20%;
  float: left;
  padding: 30px 0 0;
  font-size: 25px;
  font-weight: 700;
  color: #fff;
}
nav{
  width: 75%;
  float: right;

```

```
    text-align: right;
    padding: 30px 0 0;
}
nav a{
    text-decoration: none;
    color: #fff;
    padding: 15px 20px;
}
.navigation{
    height: 60px;
}
.banner-area{
    animation-name: animate;
    animation-duration: 7s;
    animation-iteration-count: infinite;
    animation-timing-function: ease-in-out;
    height: 100vh;
}
.text-area{
    text-align: center;
    width: 75%;
    margin: 0 auto;
}
.text-area h2{
    font-size: 75px;
    color: #fff;
    margin: 10% 0 0;
}
.text-area h3{
    color: #fff;
    text-transform: uppercase;
    margin: 0 0 15px;
    font-size: 35px;
}
.text-area a{
    text-decoration: none;
    background: white;
    color: deeppink;
    padding: 15px 60px;
    font-size: 18px;
    display: inline-block;
    margin-top: 5%;
    border-radius: 50px;
}
.text-area p{
    font-size: 18px;
    color: #fff;
    width: 70%;
```

```
margin: 0 auto;
line-height:1.9;
}
@keyframes animate {
  0%{
    background: brown;
  }
  25%{
    background: blueviolet;
  }
  50%{
    background: blueviolet;
  }
  75%{
    background: blueviolet;
  }
  100%{
    background: blueviolet;
  }
}
```

```
/* ignore the code below */
```

```
.link-area
{
  position:fixed;
  bottom:20px;
  left:20px;
  padding:15px;
  border-radius:40px;
  background:tomato;
}
.link-area a
{
  text-decoration:none;
  color:#fff;
}
.button{
  color: darkgoldenrod;
  background-color: white;
  border-radius:12px ;
  padding-left: 5px;
  padding-right: 5px;
  padding-top: 5px;
  padding-bottom: 5px;
  border: none;
}
```

```
.new{  
  padding:50px ;  
  padding-left: 50px;  
}
```

About page :

```
body {  
  font-family: Arial, Helvetica, sans-serif;  
  margin: 0;  
}
```

```
html {  
  box-sizing: border-box;  
}
```

```
*, *:before, *:after {  
  box-sizing: inherit;  
}
```

```
.column {  
  float: left;  
  width: 33.3%;  
  margin-bottom: 16px;  
  padding: 0 8px;  
}
```

```
.card {  
  box-shadow: 0 4px 8px 0 rgba(1, 0.5, 0.7, 0.2);  
  margin: 8px;  
}
```

```
.about-section {  
  padding: 50px;  
  text-align: center;  
  background-color: darkred;  
  color: lavender;  
}
```

```
.container {  
  padding: 0 16px;  
}
```

```
.container::after, .row::after {  
  content: "";  
  clear: both;  
  display: table;  
}
```

```

.title {
  color: hotpink;
}

.button {
  border: none;
  outline: 0;
  display: inline-block;
  padding: 8px;
  color: red;
  background-color: #000;
  text-align: center;
  cursor: pointer;
  width: 100%;
}

.button:hover {
  background-color: #555;
}

@media screen and (max-width: 650px) {
  .column {
    width: 100%;
    display: block;
  }
}

```

Signin page :

```

form {
  border: 3px solid #f1f1f1;
}

/* Full-width inputs */
input[type=text], input[type=password] {
  width: 100%;
  padding: 12px 20px;
  margin: 10px 0;
  display: inline-block;
  border: 2px solid #ccc;
  box-sizing: border-box;
}

/* Set a style for all buttons */
button {
  background-color: gray;
  color: blue;
  padding: 14px 20px;
  margin: 8px 0;
}

```



```

border: none;
cursor: pointer;
width: 100%;
}

/* Add a hover effect for buttons */
button:hover {
    opacity: 0.8;
}

/* Extra style for the cancel button (red) */
.cancelbtn {
    width: auto;
    padding: 10px 18px;
    background-color: orange;
}

/* Center the avatar image inside this container */
.imgcontainer {
    text-align: center;
    margin: 24px 0 12px 0;
}

/* Avatar image */
img.avatar {
    width: 40%;
    border-radius: 50%;
}

/* Add padding to containers */
.container {
    padding: 16px;
    background-color: lightsteelblue;
}

/* The "Forgot password" text */
span.psw {
    float: right;
    padding-top: 16px;
}

/* Change styles for span and cancel button on extra small screens */
@media screen and (max-width: 300px) {
    span.psw {
        display: block;
        float: none;
    }
    .cancelbtn {

```

```
        width: 100%;
    }
}
```

Signup page :

```
* {box-sizing: border-box}

/* Full-width input fields */
input[type=text], input[type=password] {
    width: 100%;
    padding: 5px;
    margin: 5px 0 20px 0;
    display: inline-block;
    border: none;
    background: #f1f1f1;
}

input[type=text]:focus, input[type=password]:focus {
    background-color: #ddd;
    outline: none;
}

hr {
    border: 1px solid #f1f1f1;
    margin-bottom: 25px;
}

/* Set a style for all buttons */
button {
    background-color: #04AA6D;
    color: white;
    padding: 14px 20px;
    margin: 8px 0;
    border: none;
    cursor: pointer;
    width: 100%;
    opacity: 0.9;
}

button:hover {
    opacity: 1;
}

/* Extra styles for the cancel button */
.cancelbtn {
    padding: 14px 20px;
    background-color: #f44336;
```

```

}

/* Float cancel and signup buttons and add an equal width */
.cancelbtn, .signupbtn {
    float: left;
    width: 50%;
}

/* Add padding to container elements */
.container {
    padding: 16px;
    background-color: lightskyblue;
}

/* Clear floats */
.clearfix::after {
    content: "";
    clear: both;
    display: table;
}

/* Change styles for cancel button and signup button on extra small screens */
@media screen and (max-width: 300px) {
    .cancelbtn, .signupbtn {
        width: 100%;
    }
}

```

Python Flask

(app.py)

```

from flask import Flask, render_template
wep = Flask(__name__)

@wep.route('/')
def a(): # put application's code here
    return render_template('html/homePage.html')

@wep.route('/about')
def b(): # put application's code here
    return render_template('html/aboutPage.html')

@wep.route('/sign')
def c(): # put application's code here
    return render_template('html/signPage.html')

@wep.route('/sigup')
def d(): # put application's code here

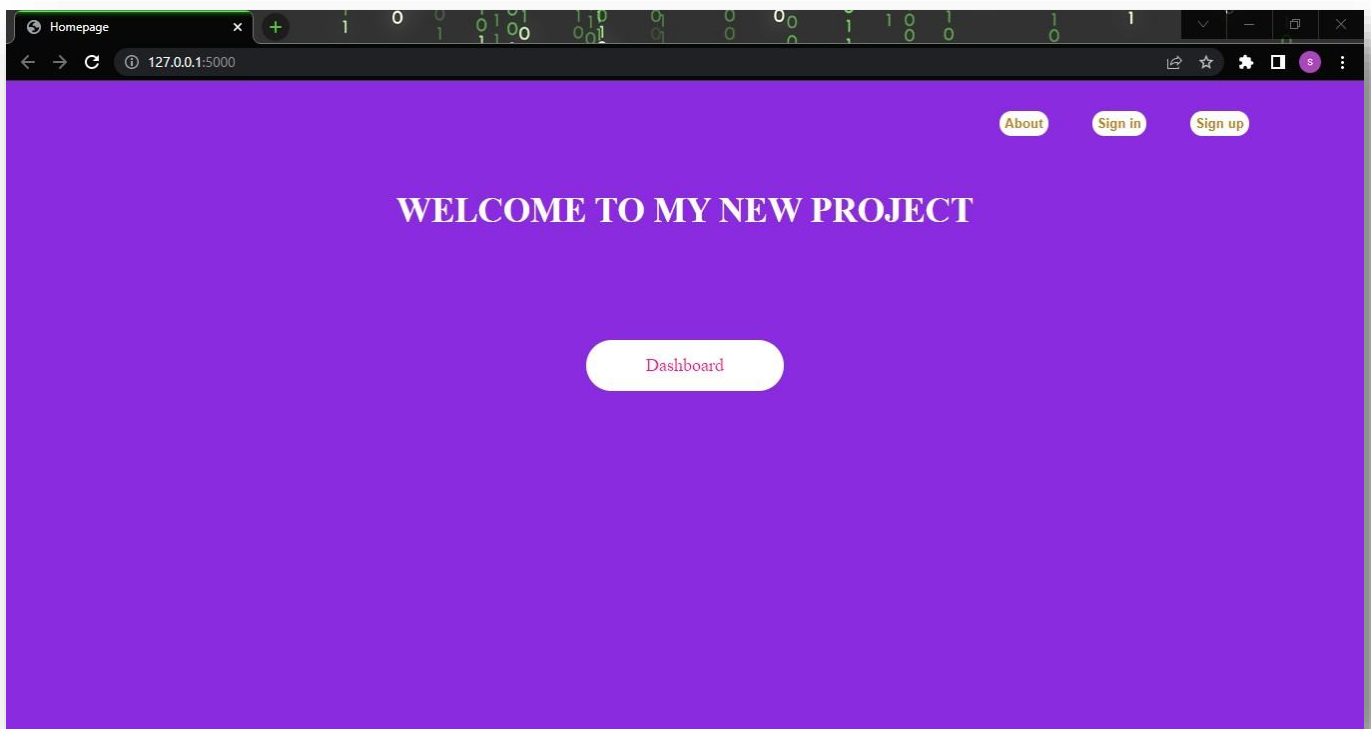
```

```
return render_template('html/signupPage.html')
```

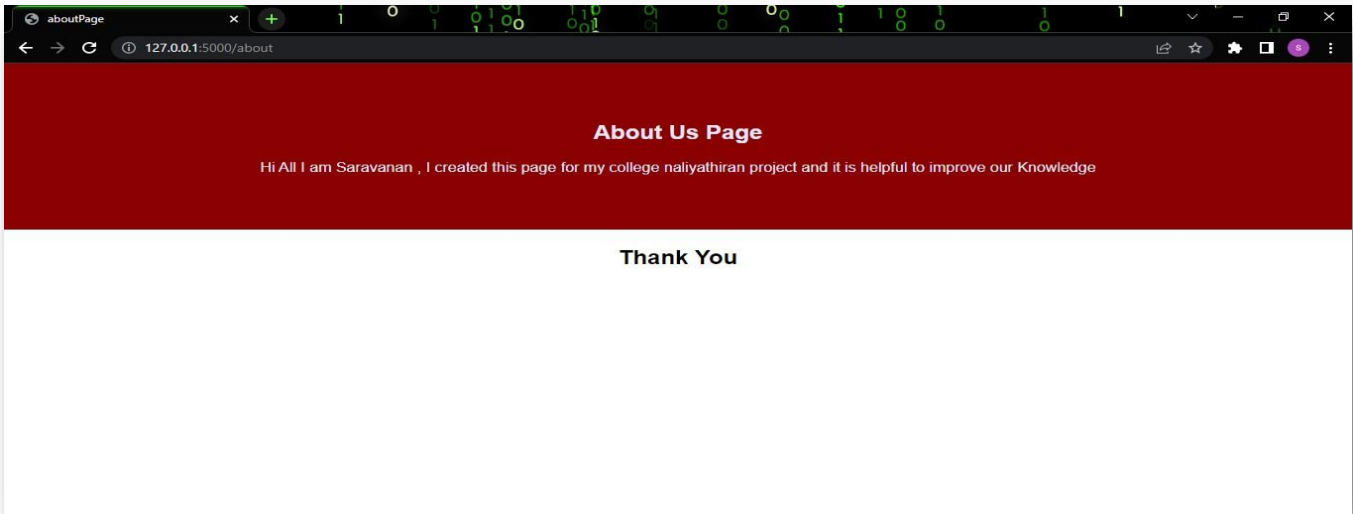
```
if __name__ == '__main__':  
    wep.run()
```

Output :

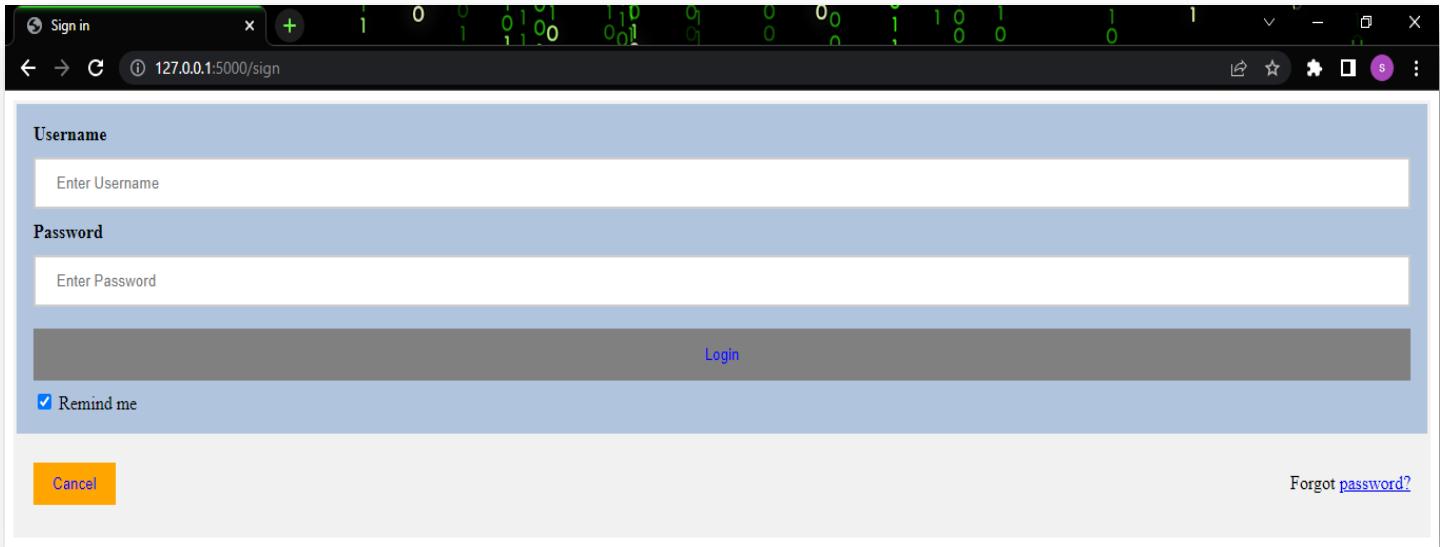
Home Page :



About Page :



Signin Page :



Signup Page :

Sign up

127.0.0.1:5000/signup

Sign Up

Please fill in this form to create an account.

Email

Enter Email

Password

Enter Password

Repeat Password

Repeat Password

☒ Remind me

By creating an account you agree to our [Terms & Privacy](#).

Cancel

Sign Up