

ASSIGNMENT– 1

PLASMA DONAR APPLICATION

app.py

```
from flask import Flask, render_template
```

```
app = Flask(__name__)  
@app.r
```

```
oute("/")
```

```
def home():
```

```
    return render_template("home.html")
```

```
@app.route("/about")
```

```
def about():
```

```
    return render_template("about.html")
```

```
@app.route("/sign_up")
```

```
def sign_up():
```

```
    return render_template("sign_up.html")
```

```
@app.route("/sign_in")
```

```
def sign_in():
```

```
    return render_template("sign_in.html")
```

```
if __name__ == "__main__":
```

```
    app.run()
```

base.html

```
<!doctypehtml>

<html lang="en">

  <head>

    <!--Required metatags-->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-
scale=1, shrink-to-fit=no">

    <!--BootstrapCSS-->

    <link
rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bo
otstrap.min.css" integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2
MZw1T" crossorigin="anonymous">

    { %blockhead% } { %endblock% }

  </head>

  <body>

    <nav class="navbar navbar-expand-lg bg-light">

      <div class="container-fluid">

        <a class="navbar-brand" href="#">Navbar</a>

        <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarNav" aria-controls="navbarNav"
aria-expanded="false" aria-label="Toggle navigation">

          <span class="navbar-toggler-icon"></span>

        </button>

        <div class="collapse navbar-collapse" id="navbarNav">

          <ul class="navbar-nav">

            <li class="nav-item">
```

```

        <a class="nav-link active" aria-current="page" href="/">Home</a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="/about">About</a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="/sign_up">SingUp</a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="/sign_in">SignIn</a>
    </li>
</ul>
</div>
</div>
</nav>

```

```
<!--OptionalJavaScript -->
```

```
<!--jQueryfirst,thenPopper.js,thenBootstrapJS-->
```

```

<script src="https://code.jquery.com/jquery-
3.3.1.slim.min.js" integrity="sha384-
q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6j
izo" crossorigin="anonymous"></script>

```

```

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.14.7/umd/popper.min.js" integrity="sha384-
UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIH
NDz0W1" crossorigin="anonymous"></script>

```

```

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstra
p.min.js" integrity="sha384-

```

JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM"crossorigin="anonymous"></script>

```
{%block body%}{%endblock%}  
</body>  
</html>
```

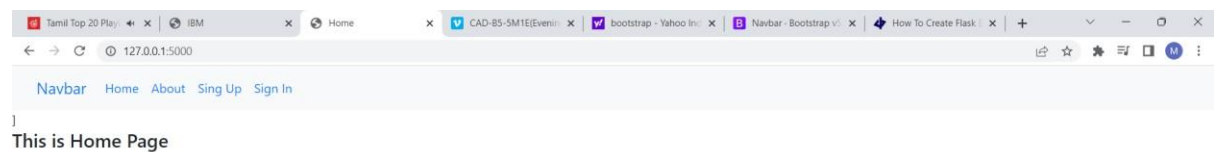
home.html

```
{%extends'base.html'%}
```

```
{%blockhead%}  
<title>Home</title>  
{%endblock%}
```

```
{%blockbody%}]  
<h4>ThisisHomePage</h4>  
{%endblock%}
```

Output:



About.html

```
{ %extends'base.html'% }
```

```
{ %blockhead% }
```

```
<title>About</title>
```

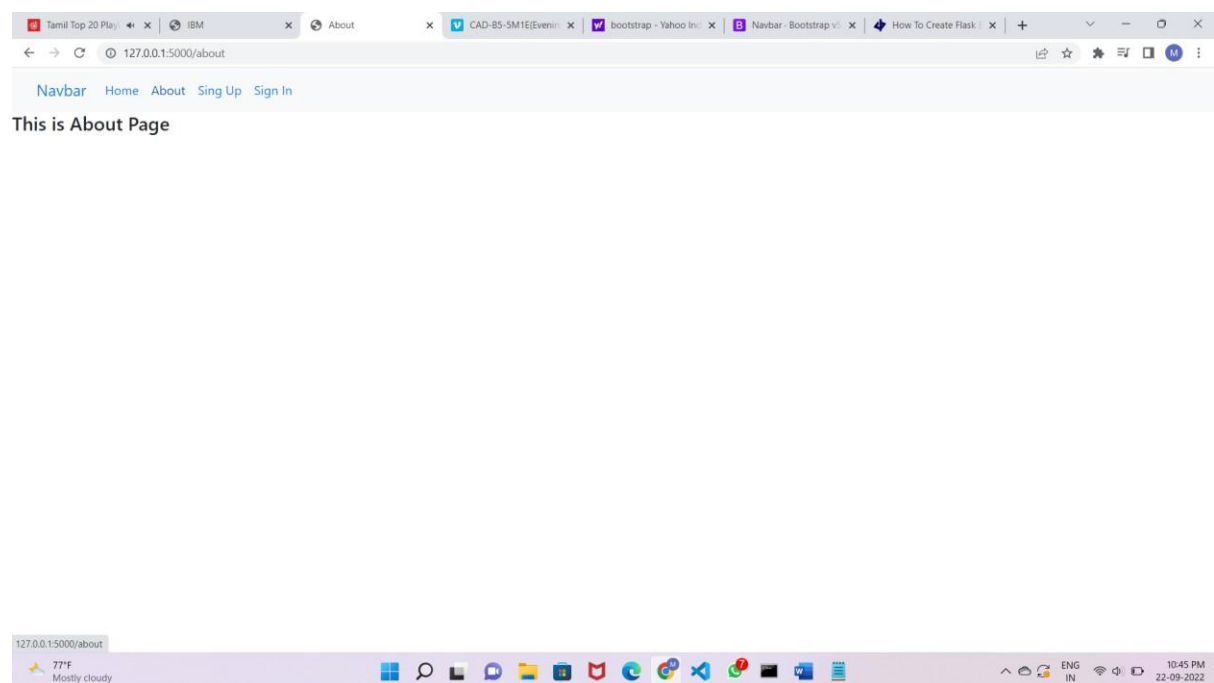
```
{ %endblock% }
```

```
{ %blockbody% }
```

```
<h4>This is About Page</h4>
```

```
{ %endblock% }
```

Output:



sign_up.html:

```
{ %extends'base.html'% }
{ %blockhead% }
<title>SignUp</title>
{ %endblock% }
{ %blockbody% }
<center><h2>SignUpForm</h2></center>
<form>
  <divclass="mb-3">
    <labelfor="name"class="form-label">Name</label>
    <inputtype="email"class="form-control"id="name">
  </div>
  <divclass="mb-3">
    <labelfor="email"class="form-label">Emailaddress</label>
    <inputtype="email"class="form-control"id="email">
  </div>
  <divclass="mb-3">
    <labelfor="pwd"class="form-label">Password</label>
    <inputtype="password"class="form-control"id="pwd">
  </div>
  <divclass="mb-3">
    <labelfor="cpwd"class="form-label">Emailaddress</label>
    <inputtype="password"class="form-control"id="cpwd">
  </div>
  <center><button type="submit" class="btn btn-
primary">SignUp</button></center>
</form>
{ %endblock% }
```

Output:

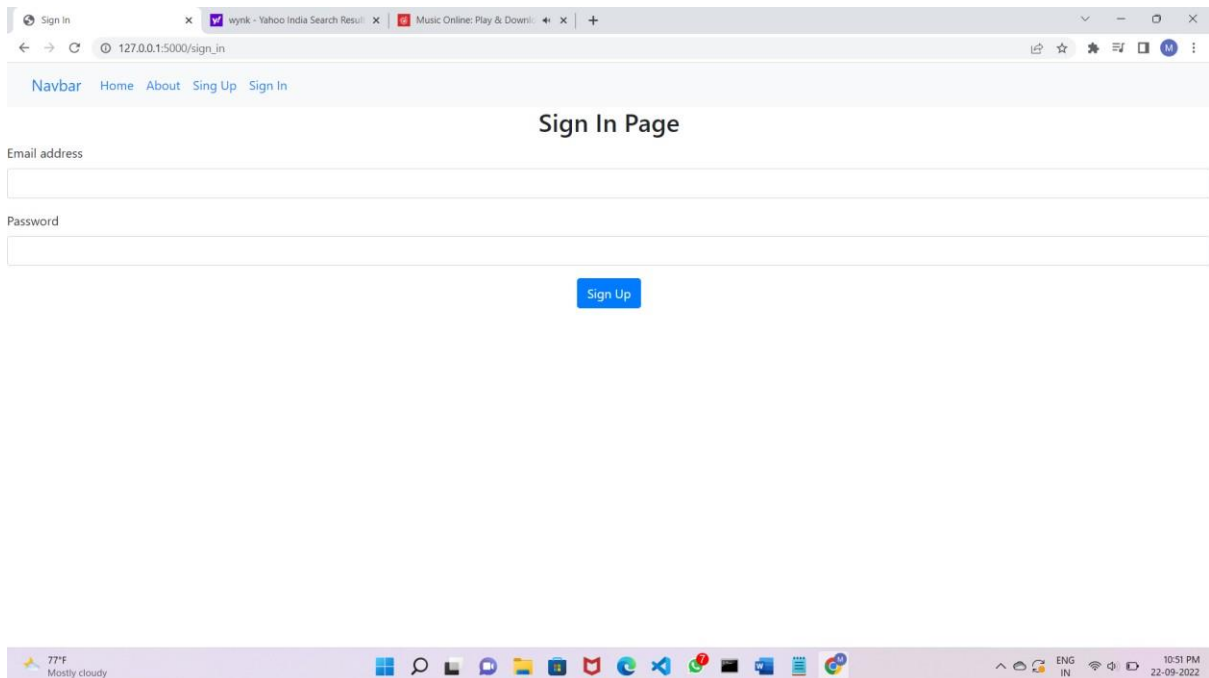
The screenshot shows a web browser window with the address bar displaying '127.0.0.1:5000/sign_up'. The page has a light blue header with a navigation bar containing links: 'Navbar', 'Home', 'About', 'Sing Up', and 'Sign In'. The main content area is titled 'Sign Up Form'. Below the title, there are four input fields: 'Name', 'Email address', 'Password', and 'Email address'. A blue 'Sign Up' button is centered below the fields. The browser's taskbar at the bottom shows the Windows logo, search icon, and several application icons. The system tray on the right indicates the temperature is 77°F, mostly cloudy, and the time is 10:48 PM on 22-09-2022.

Sign in.html:

```
{ %extends'base.html'% }  
{ %blockhead% }  
  <title>SignIn</title>  
{ %endblock% }  
{ %blockbody% }  
<center><h2>SignInPage</h2></center>  
  <form>  
    <divclass="mb-3">  
      <labelfor="email"class="form-label">Emailaddress</label>  
      <inputtype="email"class="form-control"id="email">  
    </div>  
    <divclass="mb-3">  
      <labelfor="pwd"class="form-label">Password</label>
```

```
<input type="password" class="form-control" id="pwd">
</div>
<center><button type="submit" class="btn btn-
primary">SignUp</button></center>
</form>
{%endblock%}
```

Output:



The screenshot displays a web browser window with multiple tabs. The active tab is titled 'Sign In' and shows a local address bar with the URL '127.0.0.1:5000/sign_in'. The page features a navigation bar with links for 'Navbar', 'Home', 'About', 'Sing Up', and 'Sign In'. The main heading is 'Sign In Page'. Below the heading, there are two input fields: 'Email address' and 'Password'. A blue 'Sign Up' button is positioned below the 'Password' field. The Windows taskbar at the bottom shows the system clock as 10:51 PM on 22-09-2022, along with weather information (77°F, Mostly cloudy) and various application icons.