

ASSIGNMENT– 1

PLASMA DONOR 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">
```

```

        <aclass="nav-linkactive"aria-current="page"href="/">Home</a>
    </li>
    <li class="nav-item">
        <aclass="nav-link"href="/about">About</a>
    </li>
    <li class="nav-item">
        <aclass="nav-link"href="/sign_up">SingUp</a>
    </li>
    <li class="nav-item">
        <aclass="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>

```

```

<scriptsrc="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popp
er.min.js" integrity="sha384-
UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIH
NDz0W1"crossorigin="anonymous"></script>

```

```

<scriptsrc="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>

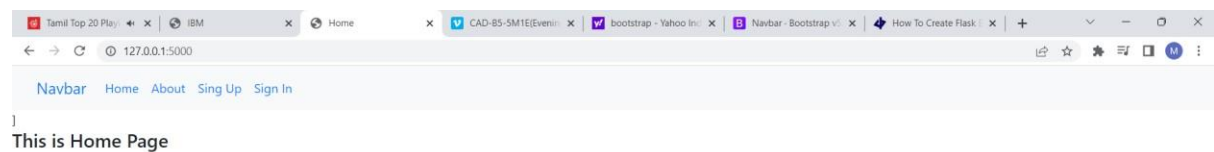
{%endblock%}

{%blockbody%}}

<h4>This is HomePage</h4>

{%endblock%}

Output:



About.html

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

```
{ %blockhead% }
```

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

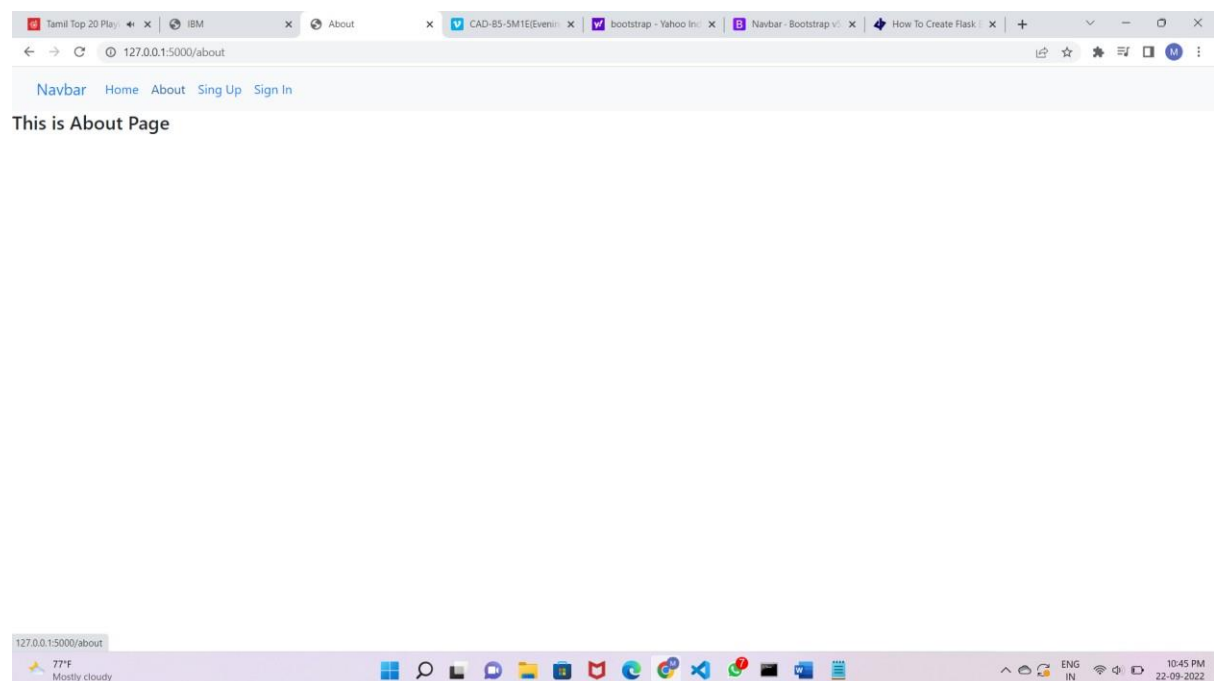
```
{ %endblock% }
```

```
{ %blockbody% }
```

```
<h4>ThisisAboutPage</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 navigation bar with links: [Navbar](#), [Home](#), [About](#), [Sing Up](#), and [Sign In](#). The main content area is titled 'Sign Up Form'. It contains four input fields: 'Name', 'Email address', 'Password', and 'Email address'. A blue 'Sign Up' button is located below the form fields. The Windows taskbar at the bottom shows the date and time as 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:

