

# Implementing the Web Application

## Create UI to Interact with the Application

|              |                                    |
|--------------|------------------------------------|
| Date         | 24th September 2022                |
| Team ID      | PNT2022TMID53650                   |
| Project Name | Project – PLASMA DONOR APPLICATION |

### CODE:

```
base.html - Assignment 2 - Visual Studio Code
home.html M base.html X
templates > base.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="utf-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <link href="https://cdn.jsdelivr.net/npm/bootstrap@2.1/dist/css/bootstrap.min.css" rel="stylesheet"
8     integrity="sha384-VeCv6IwiUwv9VbbCEUlGMtxiMs768wPPLvOwVjpjcc/RvkiZlZsefz" crossorigin="anonymous">
9   {% block head %}{% endblock %}
10 </head>
11
12 <body>
13   <nav class="navbar bg-dark p-3 d-flex flex-row justify-content-start">
14     <div class="fs-2 text-light me-auto">{% block pageTitle %}{% endblock %}</div>
15     <a href="/" class="navbar-brand btn-link bg-dark text-light mx-4 fw-light text-decoration-underline">Home</a>
16     <a href="/about"
17       class="navbar-brand btn-link bg-dark text-light mx-4 fw-light text-decoration-underline">About</a>
18     <a href="/signin" class="navbar-brand btn btn-sm btn-light me-4">Sign in</a>
19     <a href="/signup" class="navbar-brand btn btn-sm btn-outline-secondary text-light me-4">Sign up</a>
20   </nav>
21   {% block body %}{% endblock %}
22 </body>
23
24 </html>
```

```
about.html - Assignment 2 - Visual Studio Code
home.html M about.html X
templates > about.html > ...
1 {% extends 'base.html' %}
2
3 {% block head %}
4 <title>Flask About Page</title>
5 {% endblock %}
6
7 {% block pageTitle %}About{% endblock %}
8 {% block body %}
9   <div class="container mt-5">
10     <div class="fs-2">A team of four!</div>
11     <div class="list-group p-3 mt-3">
12       <div class="list-group-item border-0 fs-4">Lead: <b>Siddique Afraaz N</b></div>
13       <div class="list-group-item border-0 fs-4">Member 1: <b>Saalini D</b></div>
14       <div class="list-group-item border-0 fs-4">Member 2: <b>Suraj S K</b></div>
15       <div class="list-group-item border-0 fs-4">Member 3: <b>Vinoth Kumar C V</b></div>
16     </div>
17     <div class="list-group-item border-0 fs-4">Mentor: <b>Dr. Jeyaprabha T J</b></div>
18     <div class="list-group-item border-0 fs-4">College: <b>Sri Venkateswara College of Engineering</b></div>
19   </div>
20 </div>
21
22 {% endblock %}
```

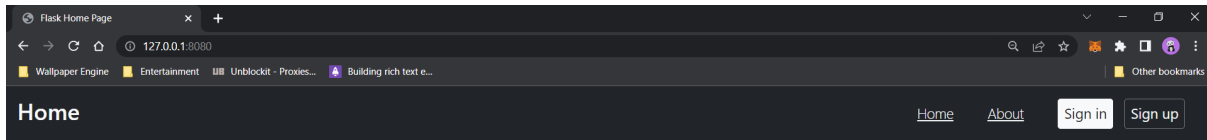
```
home.html - Assignment 2 - Visual Studio Code
home.html M base.html X
templates > home.html > ...
1 {% extends 'base.html' %}
2
3 {% block head %}
4 <title>Flask Home Page</title>
5 {% endblock %}
6 {% block pageTitle %}Home{% endblock %}
7 {% block body %}
8   <div class="container mt-5">
9     <div class="fs-1">Welcome to Our Flask Website!</div>
10    <div class="fs-3 fw-normal">Use the buttons in the Navigation Bar to navigate and explore different pages of the
11      website.</div>
12  </div>
13
14  <div class="container mt-5">
15    <div class="fs-2">Page Stats</div>
16    <p class="fs-4">Work in Progress to be built later!</p>
17  </div>
18
19  {% endblock %}
```

```
signin.html - Assignment 2 - Visual Studio Code
home.html M signin.html X
templates > signin.html > ...
1 <title>Flask Sign In Page</title>
2
3 {% block head %}
4
5 {% endblock %}
6
7 {% block pageTitle %}Sign In{% endblock %}
8 {% block body %}
9   <div class="container mt-5 w-50">
10     <div class="card-body">
11       <form>
12         <label for="email">Email:</label><br>
13         <input type="email" class="form-control" name="email" required>
14         <br />
15         <label for="password">Password:</label><br>
16         <input type="password" class="form-control" name="password" required>
17         <br />
18         <input type="submit" value="Sign In" class="btn btn-primary">
19         <br /><br />
20         <span class="fs-6">
21           Not a Existing User? <a href="/signup" class="btn-link">Sign up for free!</a>
22         </span>
23       </form>
24     </div>
25   </div>
26
27   {% endblock %}
```

```
signup.html - Assignment 2 - Visual Studio Code
home.html M signup.html X
templates > signup.html > ...
1 <title>Flask Sign Up Page</title>
2
3 {% block head %}
4
5 {% endblock %}
6 {% block pageTitle %}Sign Up{% endblock %}
7 {% block body %}
8   <div class="container mt-5 w-50">
9     <div class="card-body">
10       <form>
11         <label for="name">Name:</label><br>
12         <input type="text" class="form-control" name="name" required>
13         <br />
14         <label for="email">Email:</label><br>
15         <input type="email" class="form-control" name="email" required>
16         <br />
17         <label for="password">Password:</label><br>
18         <input type="password" class="form-control" name="password" required>
19         <br />
20         <input type="submit" value="Create Account" class="btn btn-primary">
21         <br /><br />
22         <span class="fs-6">Already a User? <a href="/signin" class="btn-link">Login Here!</a></span>
23       </form>
24     </div>
25   </div>
26
27   {% endblock %}
```

```
api-flask.py - Assignment 2 - Visual Studio Code
home.html M api-flask.py X
api-flask.py > ...
1 from flask import Flask, render_template
2
3 app = Flask(__name__)
4
5 @app.route("/")
6 def index():
7     return render_template("home.html")
8
9 @app.route("/about")
10 def about():
11     return render_template("about.html")
12
13 @app.route("/signin")
14 def signin():
15     return render_template("signin.html")
16
17 @app.route("/signup")
18 def signup():
19     return render_template("signup.html")
20
21 if __name__ == '__main__':
22     app.run(host='0.0.0.0', port=8080, debug=True)
```

# DESIGN:

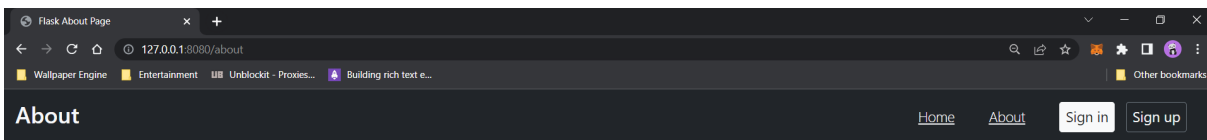


## Welcome to Our Flask Website!

Use the buttons in the Navigation Bar to navigate and explore different pages of the website.

### Page Stats

Work in Progress to be built later!



## A Team of Four!

Lead: **Siddique Afraaz N**

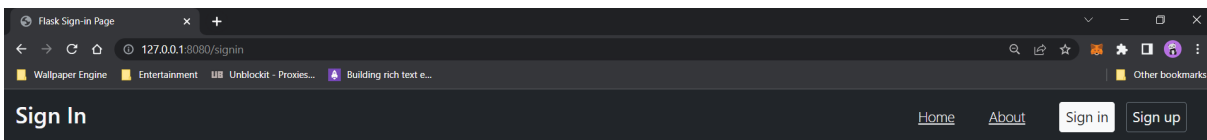
Member 1: **Saaliini D**

Member 2: **Suraj S K**

Member 3: **Vinoth Kumar C V**

Mentor: **Dr. Jeyaprabha T J**

College: **Sri Venkateswara College of Engineering**

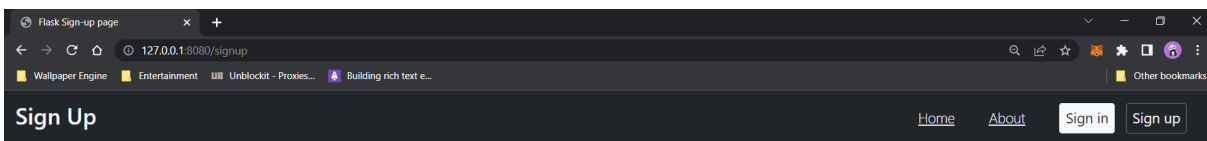


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Email:

Password:

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