

Assignment -2

Assignment Date	19 September 2022
Student Name	Mr. KURRE KULASEKHAR REDDY
Student Roll Number	111519104068
Maximum Marks	2 Marks

Question-1:

1. Create a Flask App
2. Add the Home page, About Page
3. Add the Bootstrap
4. Add the Sign in page and add the Signup Page with database connectivity
5. Use IBM Db2 as Database

Solution:

MAIN CODE:

#imports for fileupload

```
from flask import Flask;  
from flask import render_template
```

```
#created a flask application  
app = Flask(_name_,template_folder='temp')
```

```
@app.route('/')  
def home():  
    return render_template("welcome.html")  
@app.route('/login')  
def sign_up():  
    return render_template("index.html")  
@app.route('/signup')  
def sign_in():  
    return render_template("signin.html")  
@app.route('/about')  
def about():  
    return render_template("about.html")
```

```
# driver function
if __name__ == '__main__':
    app.run(debug = True)
```

WELCOME PAGE CODE:

```
body {

    background:          url('https://img.freepik.com/free-vector/clean-medical-
background_53876-97927.jpg?w=2000')
    no-repeat center center fixed;
    -webkit-background-size: cover;
    -moz-background-size: cover;
    -o-background-size: cover;
    background-size: cover;
    min-height: 100%;
    min-width: 100%;

    /* Set up proportionate scaling */
    width: 100%;
    height: auto;

    /* Set up positioning */
    position: fixed;
    top: 0;
    left: 0;
}

.form {
    position: center;
    z-index: 1;
    border-radius: 1px;
    max-width: 360px;
    margin: 0 ;
    padding: 45px;
    text-align: center;
}
```

```
.form input:focus {  
  background: #dbdbdb;  
}
```

```
.form button {  
  text-transform: uppercase;  
  outline: 5;  
  background: skyblue;  
  width: 100%;  
  border-radius: 5px;  
  padding: 15px;  
  margin-left: 800px;  
  margin-top: 190px;  
  color: #FFFFFF;  
  font-size: 14px;  
  -webkit-transition: all 0.3 ease;  
  transition: all 0.3 ease;  
  cursor: pointer;  
  
}
```

```
.form input {  
  outline: 0;  
  background: #f2f2f2;  
  width: 100%;  
  border: 0;  
  border-radius: 5px;  
  margin: 0 0 15px;  
  border: 2px white;  
  padding: 15px;  
  box-sizing: border-box;  
  font-size: 14px;  
}
```

```
.para{  
  
  justify-content: left;  
  align-items: left;  
  font-family:sans-serif;
```

```
font-size: 25px;
margin-left: 450px;
}
.h1{

align-items: left;
font-family:sans-serif;
font-size: 25px;
margin-left: 550px;
}
```

ABOUT PAGE CODE :

```
body {
margin: 0;
font-family: Helvetica, sans-serif;
background-color: #f4f4f4;
}

a {
color: #000;
}

/* header */

.header {
background-color: #fff;
box-shadow: 1px 1px 4px 0 rgba(0,0,0,.1);
position: fixed;
width: 100%;
z-index: 3;
}

.header ul {
margin: 0;
padding: 0;
list-style: none;
overflow: hidden;
background-color: #fff;
}
```

```
.header li a {  
  display: block;  
  padding: 20px 20px;  
  border-right: 1px solid #f4f4f4;  
  text-decoration: none;  
}
```

```
.header li a:hover,  
.header .menu-btn:hover {  
  background-color: #f4f4f4;  
}
```

```
.header .logo {  
  display: block;  
  float: left;  
  font-size: 2em;  
  padding: 10px 20px;  
  text-decoration: none;  
}
```

```
/* menu */
```

```
.header .menu {  
  clear: both;  
  max-height: 0;  
  transition: max-height .2s ease-out;  
}
```

```
/* menu icon */
```

```
.header .menu-icon {  
  cursor: pointer;  
  display: inline-block;  
  float: right;  
  padding: 28px 20px;  
  position: relative;  
  user-select: none;  
}
```

```
.header .menu-icon .navicon {  
  background: #333;  
  display: block;  
  height: 2px;  
  position: relative;  
  transition: background .2s ease-out;  
  width: 18px;  
}
```

```
.header .menu-icon .navicon:before,  
.header .menu-icon .navicon:after {  
  background: #333;  
  content: "";  
  display: block;  
  height: 100%;  
  position: absolute;  
  transition: all .2s ease-out;  
  width: 100%;  
}
```

```
.header .menu-icon .navicon:before {  
  top: 5px;  
}
```

```
.header .menu-icon .navicon:after {  
  top: -5px;  
}
```

```
/* menu btn */
```

```
.header .menu-btn {  
  display: none;  
}
```

```
.header .menu-btn:checked ~ .menu {  
  max-height: 240px;  
}
```

```
.header .menu-btn:checked ~ .menu-icon .navicon {  
  background: transparent;
```

```
}
```

```
.header .menu-btn:checked ~ .menu-icon .navicon:before {  
  transform: rotate(-45deg);  
}
```

```
.header .menu-btn:checked ~ .menu-icon .navicon:after {  
  transform: rotate(45deg);  
}
```

```
.header .menu-btn:checked ~ .menu-icon:not(.steps) .navicon:before,  
.header .menu-btn:checked ~ .menu-icon:not(.steps) .navicon:after {  
  top: 0;  
}
```

```
/* 48em = 768px */
```

```
@media (min-width: 48em) {  
  .header li {  
    float: left;  
  }  
  .header li a {  
    padding: 20px 30px;  
  }  
  .header .menu {  
    clear: none;  
    float: right;  
    max-height: none;  
  }  
  .header .menu-icon {  
    display: none;  
  }  
}
```

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

```
.wrapper {  
  max-width: 100%;  
  width: 600px;
```

```
margin: 0 auto;
}
```

INDEX PAGE CODE :

```
body {
  margin: 0;
  font-family: Helvetica, sans-serif;
  background-color: #f4f4f4;
}
```

```
a {
  color: #000;
}
```

```
/* header */
```

```
.header {
  background-color: #fff;
  box-shadow: 1px 1px 4px 0 rgba(0,0,0,.1);
  position: fixed;
  width: 100%;
  z-index: 3;
}
```

```
.header ul {
  margin: 0;
  padding: 0;
  list-style: none;
  overflow: hidden;
  background-color: #fff;
}
```

```
.header li a {
  display: block;
  padding: 20px 20px;
  border-right: 1px solid #f4f4f4;
  text-decoration: none;
}
```



```
.header li a:hover,  
.header .menu-btn:hover {  
  background-color: #f4f4f4;  
}
```

```
.header .logo {  
  display: block;  
  float: left;  
  font-size: 2em;  
  padding: 10px 20px;  
  text-decoration: none;  
}
```

```
/* menu */
```

```
.header .menu {  
  clear: both;  
  max-height: 0;  
  transition: max-height .2s ease-out;  
}
```

```
/* menu icon */
```

```
.header .menu-icon {  
  cursor: pointer;  
  display: inline-block;  
  float: right;  
  padding: 28px 20px;  
  position: relative;  
  user-select: none;  
}
```

```
.header .menu-icon .navicon {  
  background: #333;  
  display: block;  
  height: 2px;  
  position: relative;  
  transition: background .2s ease-out;  
  width: 18px;  
}
```

```
.header .menu-icon .navicon:before,  
.header .menu-icon .navicon:after {  
  background: #333;  
  content: "";  
  display: block;  
  height: 100%;  
  position: absolute;  
  transition: all .2s ease-out;  
  width: 100%;  
}
```

```
.header .menu-icon .navicon:before {  
  top: 5px;  
}
```

```
.header .menu-icon .navicon:after {  
  top: -5px;  
}
```

```
/* menu btn */
```

```
.header .menu-btn {  
  display: none;  
}
```

```
.header .menu-btn:checked ~ .menu {  
  max-height: 240px;  
}
```

```
.header .menu-btn:checked ~ .menu-icon .navicon {  
  background: transparent;  
}
```

```
.header .menu-btn:checked ~ .menu-icon .navicon:before {  
  transform: rotate(-45deg);  
}
```

```
.header .menu-btn:checked ~ .menu-icon .navicon:after {  
  transform: rotate(45deg);  
}
```

```
}
```

```
.header .menu-btn:checked ~ .menu-icon:not(.steps) .navicon:before,  
.header .menu-btn:checked ~ .menu-icon:not(.steps) .navicon:after {  
  top: 0;  
}
```

```
/* 48em = 768px */
```

```
@media (min-width: 48em) {  
  .header li {  
    float: left;  
  }  
  .header li a {  
    padding: 20px 30px;  
  }  
  .header .menu {  
    clear: none;  
    float: right;  
    max-height: none;  
  }  
  .header .menu-icon {  
    display: none;  
  }  
}
```

```
@import url(https://fonts.googleapis.com/css?family=Roboto:300);
```

```
.login-page {  
  
  width: 360px;  
  padding: 8% 0 0;  
  margin: auto;  
}  
.form {  
  position: relative;  
  z-index: 1;  
  background: #FFFFFF;  
  max-width: 360px;
```

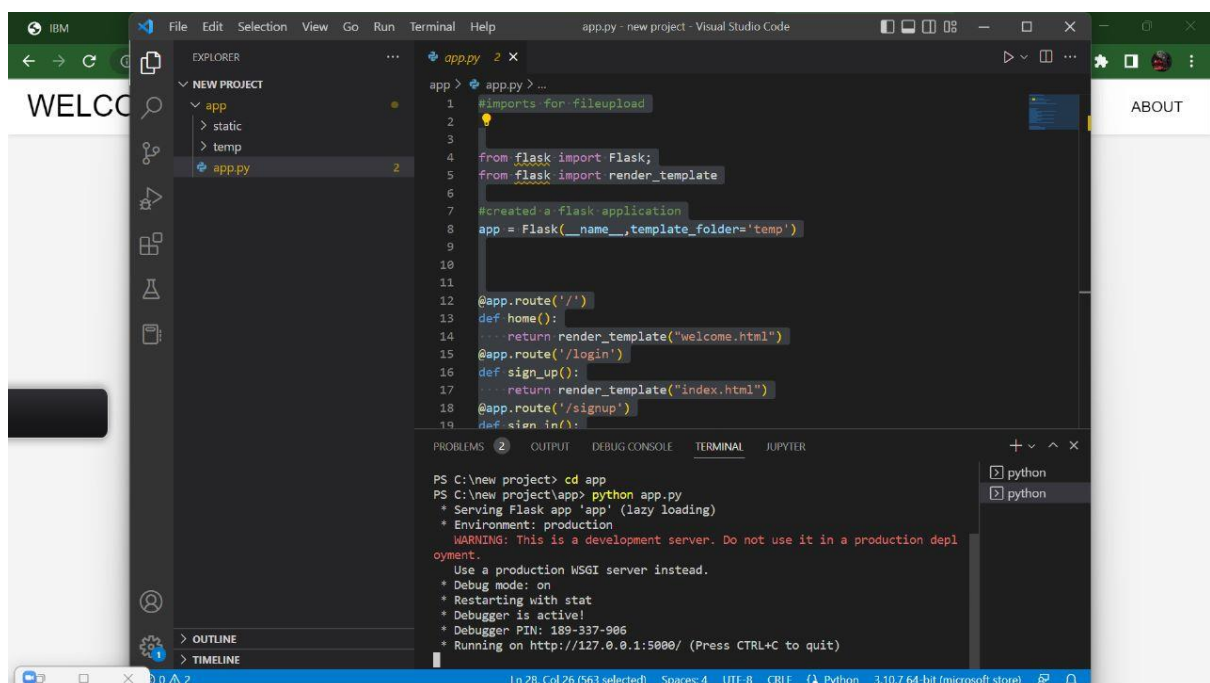
```
margin: 0 auto 100px;
padding: 45px;
text-align: center;
box-shadow: 0 0 20px 0 rgba(0, 0, 0, 0.2), 0 5px 5px 0 rgba(0, 0, 0, 0.24);
}
.form input {
font-family: "Roboto", sans-serif;
outline: 0;
background: #f2f2f2;
width: 100%;
border: 0;
margin: 0 0 15px;
padding: 15px;
box-sizing: border-box;
font-size: 14px;
}
.form button {
font-family: "Roboto", sans-serif;
text-transform: uppercase;
outline: 0;
background: #363636;
width: 100%;
border: 0;
padding: 15px;
color: #FFFFFF;
font-size: 14px;
-webkit-transition: all 0.3 ease;
transition: all 0.3 ease;
cursor: pointer;
}
.form button:hover,.form button:active,.form button:focus {
background: #4F4F4F;
}
.form .message {
margin: 15px 0 0;
color: #b3b3b3;
font-size: 12px;
}
.form .message a {
color: #4F4F4F;
```

```
    text-decoration: none;
}
.form .register-form {
    display: none;
}
.container {
    position: relative;
    z-index: 1;
    max-width: 300px;
    margin: 0 auto;
}
.container:before, .container:after {
    content: "";
    display: block;
    clear: both;
}
.container .info {
    margin: 50px auto;
    text-align: center;
}
.container .info h1 {
    margin: 0 0 15px;
    padding: 0;
    font-size: 36px;
    font-weight: 300;
    color: #1a1a1a;
}
.container .info span {
    color: #4d4d4d;
    font-size: 12px;
}
.container .info span a {
    color: #000000;
    text-decoration: none;
}
.container .info span .fa {
    color: black;
}
body {
```

```
background-image: url("http://dallevas.com/site/wp-
content/uploads/2013/12/Black-Background-Pattern.jpg");
background-size:100% 100%;
-webkit-background-size: 100% 100%;
-o-background-size: 100% 100%;
-khtml-background-size: 100% 100%;
-moz-background-size: 100% 100%;
}
```

OUTPUT :

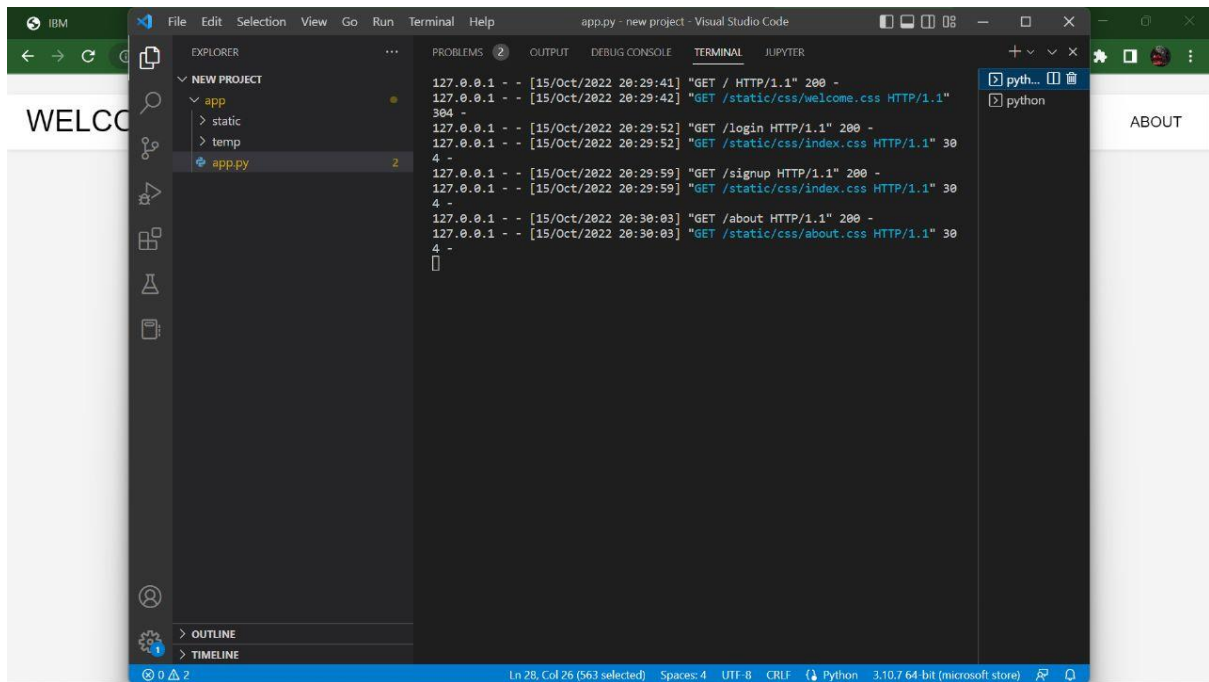
CREATE FLASK APP :



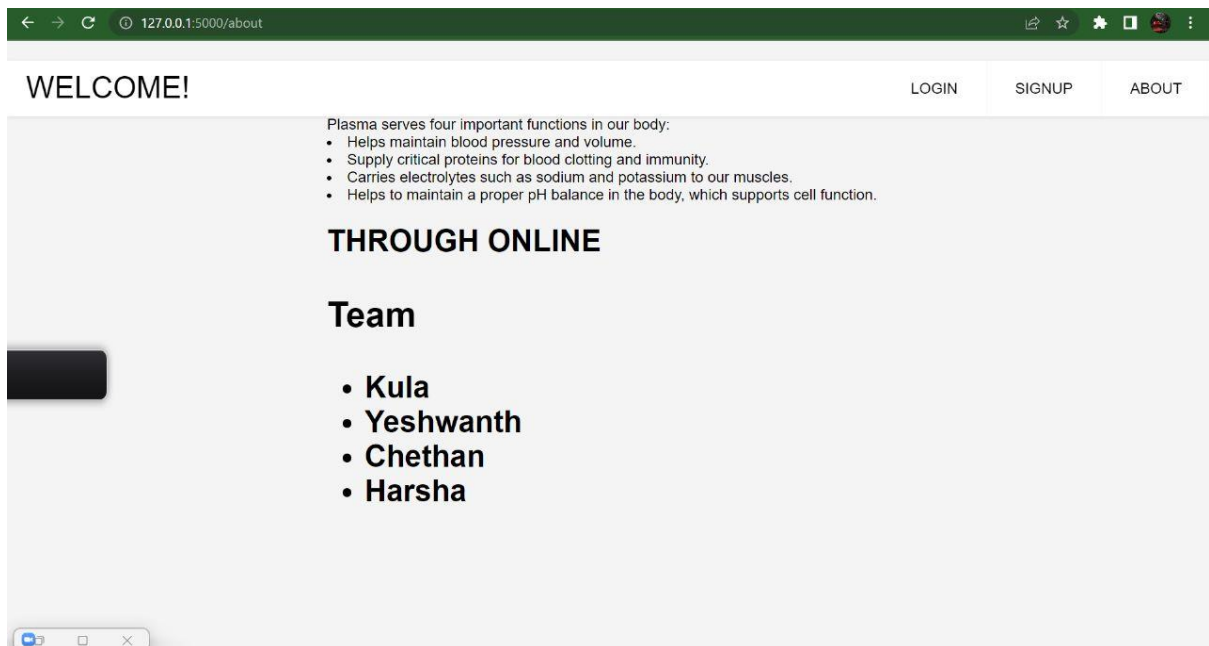
The screenshot shows the Visual Studio Code interface with a new project named 'app'. The Explorer panel on the left shows the project structure: 'app' (containing 'static' and 'temp' folders) and 'app.py'. The main editor displays the code for 'app.py', which imports Flask and render_template, creates a Flask application, and defines routes for home, login, and signup. The terminal at the bottom shows the command 'python app.py' being executed, resulting in a warning about the development server and the application running on http://127.0.0.1:5000/.

```
app.py
1 #imports for fileupload
2
3
4 from flask import Flask;
5 from flask import render_template
6
7 #created a flask application
8 app = Flask(__name__,template_folder='temp')
9
10
11
12 @app.route('/')
13 def home():
14     return render_template("welcome.html")
15
16 @app.route('/login')
17 def login():
18     return render_template("index.html")
19
20 @app.route('/signup')
21 def signup():
22     return render_template("index.html")
23
24 if __name__ == '__main__':
25     app.run()
```

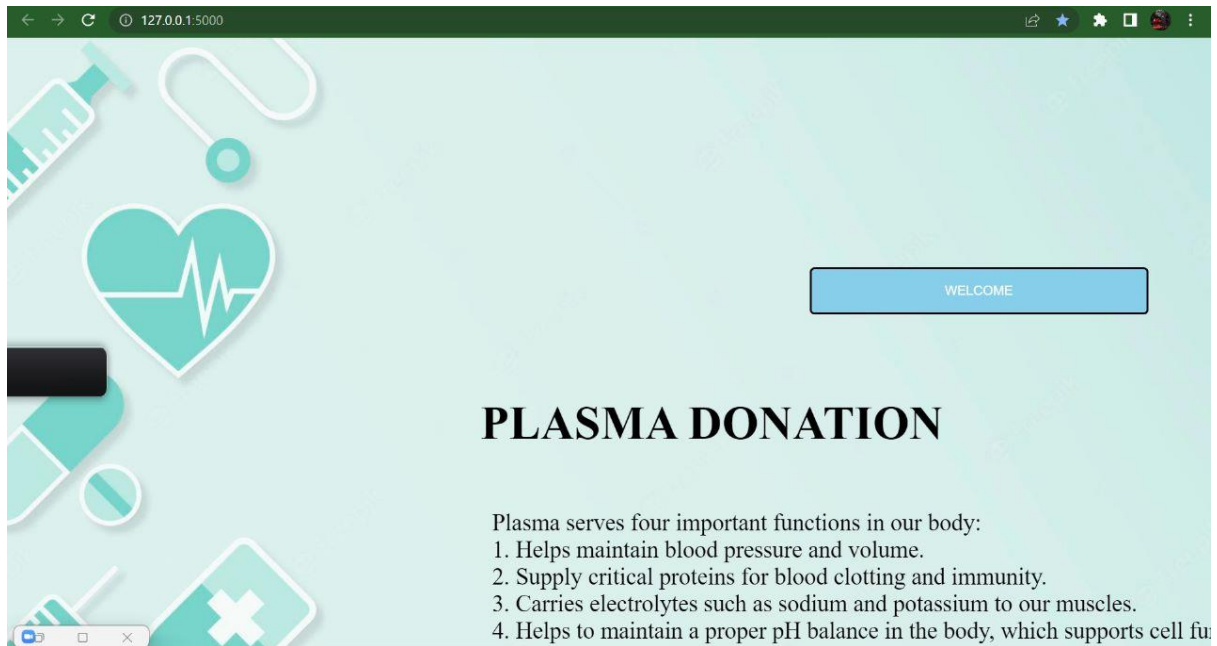
```
PS C:\new project> cd app
PS C:\new project\app> python app.py
* Serving Flask app 'app' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
* Restarting with stat
* Debugger is active!
* Debugger PIN: 189-337-986
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```



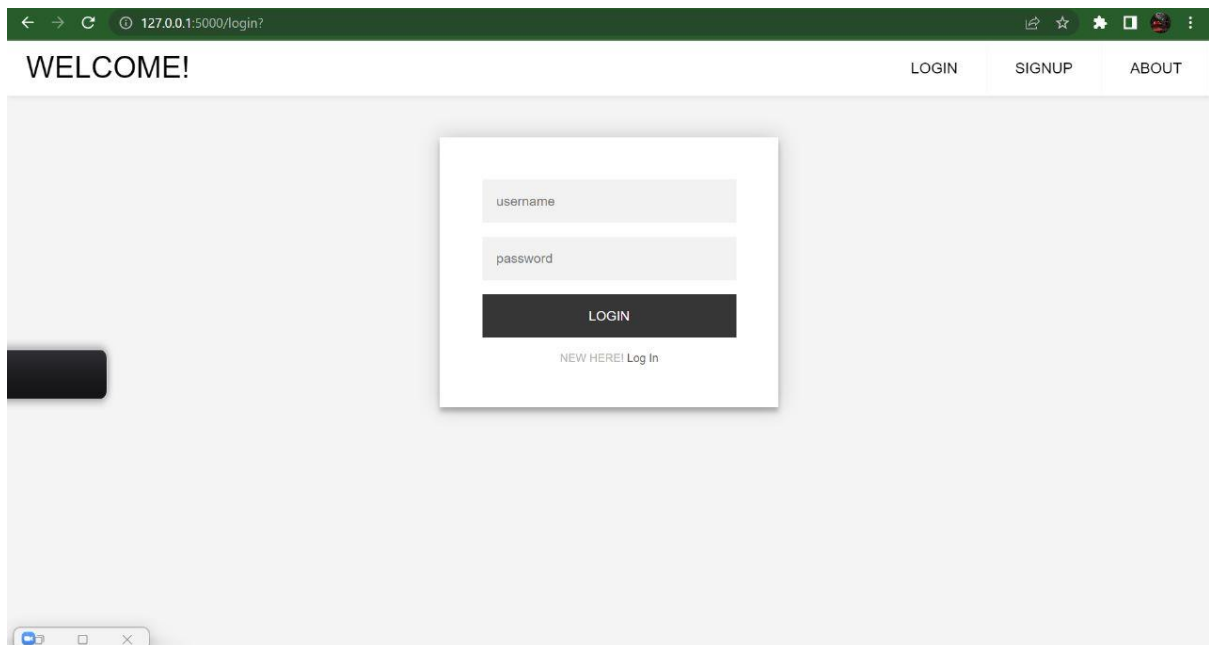
HOME PAGE:



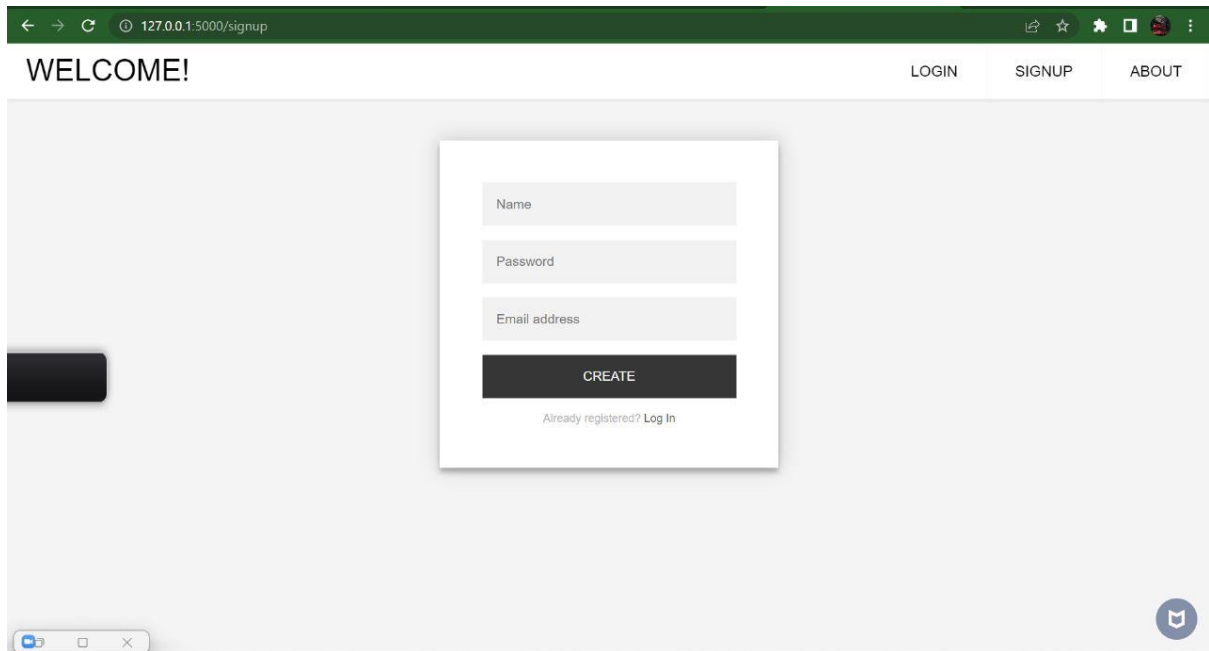
ABOUT PAGE:



SIGN IN PAGE:



SIGN UP:



The screenshot shows a web browser window with a dark green address bar displaying the URL `127.0.0.1:5000/signup`. The page has a white header with the word "WELCOME!" on the left and three navigation links: "LOGIN", "SIGNUP", and "ABOUT". The main content area has a light gray background. In the center, there is a white sign-up form with a subtle drop shadow. The form contains three input fields labeled "Name", "Password", and "Email address", followed by a dark gray "CREATE" button. Below the button, there is a link that says "Already registered? Log In". A small blue circular icon with a white 'M' is located in the bottom right corner of the page. The browser's window control buttons (minimize, maximize, close) are visible in the bottom left corner.

WELCOME! LOGIN SIGNUP ABOUT

Name

Password

Email address

CREATE

Already registered? [Log In](#)