

Assignment -2

Assignment Date	19 September 2022
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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-  
medicalbackground_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: 5px; 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-
seriff; 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;
}
```

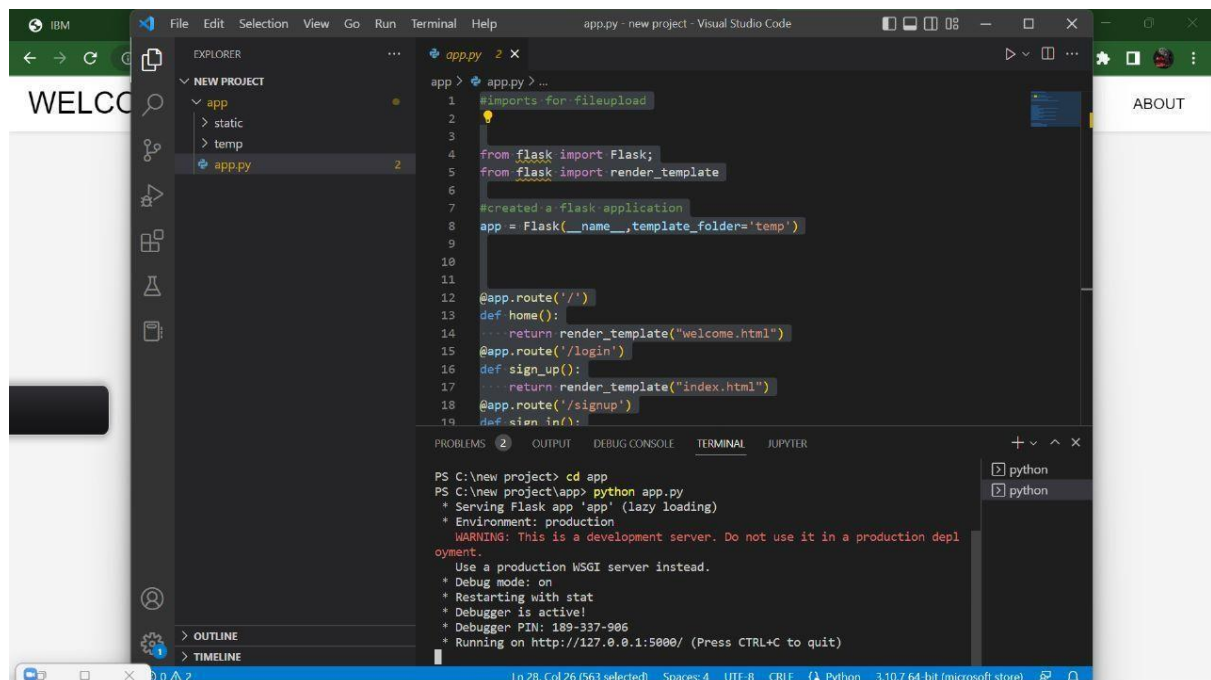
```
.form .register-form {
display: none;
}
.container {
position: relative;
z-index: 1; max-
width: 300px;
margin: 0 auto;
}
.container:before, .container:after {
content: "";
display: block;
clear: both;
}
.container .info {
margin: 50px auto;
text-align: center;
}
.container .info h1 {
margin: 0 0 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 :

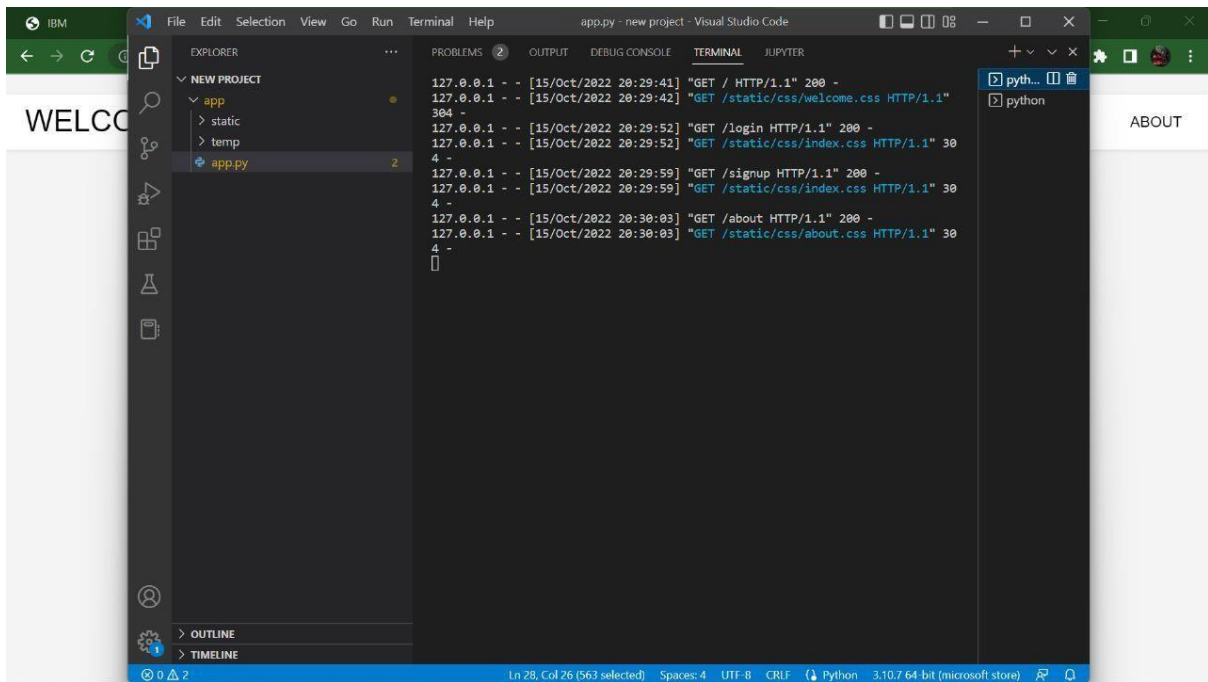


The screenshot displays the Visual Studio Code interface for a new Flask project. The Explorer panel on the left shows a project structure with folders 'static' and 'temp', and a file 'app.py'. The main editor window shows the 'app.py' file with the following code:

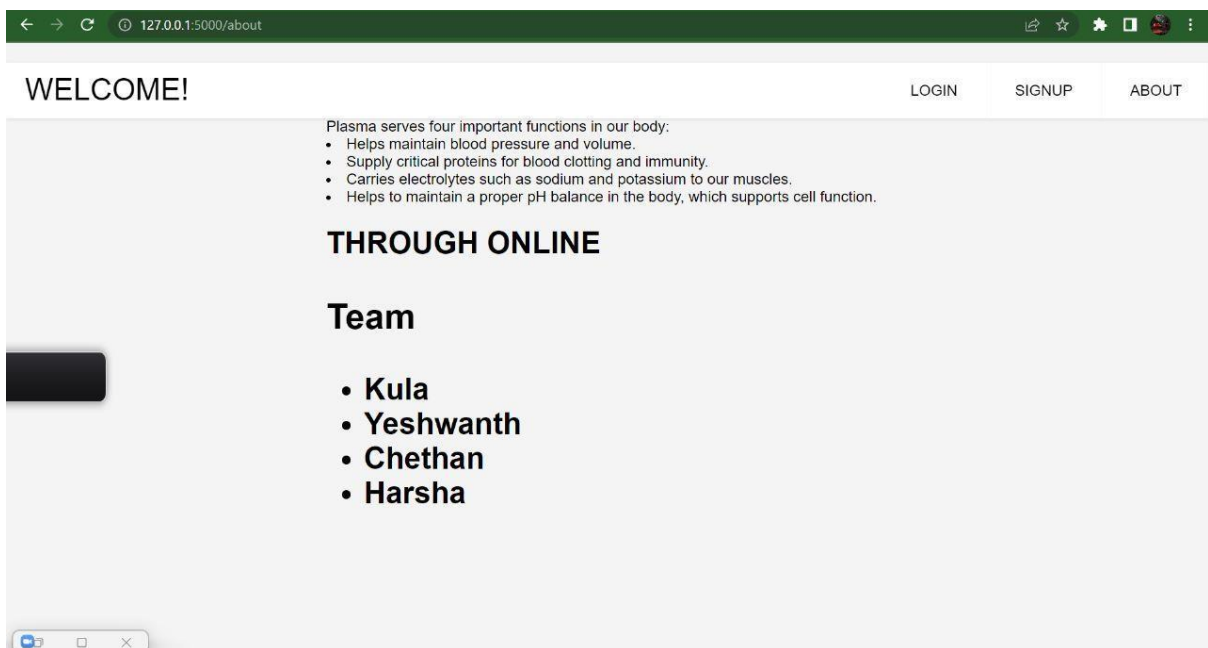
```
1 #imports for fileupload
2
3
4 from flask import Flask;
5 from flask import render_template
6
7 #created a flask application
8 app = Flask(__name__, template_folder='temp')
9
10
11
12 @app.route('/')
13 def home():
14     return render_template("welcome.html")
15 @app.route('/login')
16 def sign_up():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

The TERMINAL panel at the bottom shows the command prompt output for running the application:

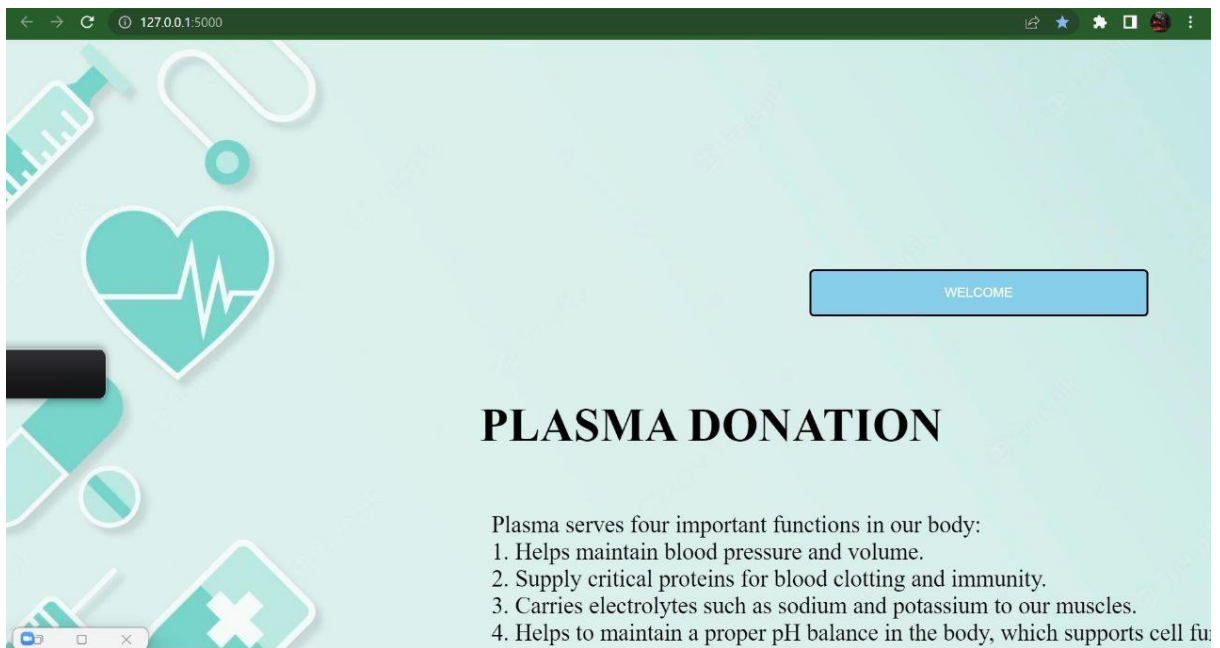
```
PS C:\new project> cd app
PS C:\new project\app> python app.py
* Serving Flask app 'app' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
* Restarting with stat
* Debugger is active!
* Debugger PIN: 189-337-906
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```



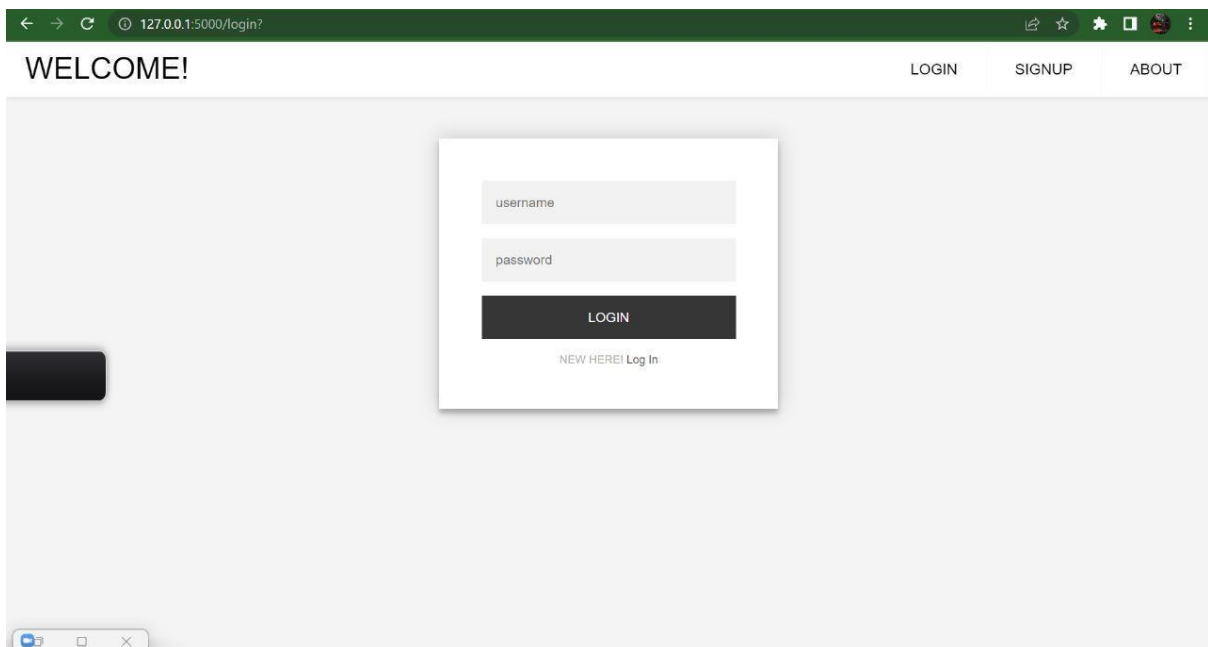
HOME PAGE:



ABOUT PAGE:



SIGN IN PAGE:



SIGN UP:

← → ↻ ⓘ 127.0.0.1:5000/signup

WELCOME! LOGIN SIGNUP ABOUT

Name

Password

Email address

CREATE

Already registered? [Log In](#)

Chrome

Ⓜ