

Assignment -2

Assignment Date	29 September 2022
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Student Roll Number	111519104069
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: 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-
seriff; font-size: 25px;
margin-left: 450px;
}
.h1{
```

```
align-items: left; font-
family:sans-seriff; 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;  
}
```

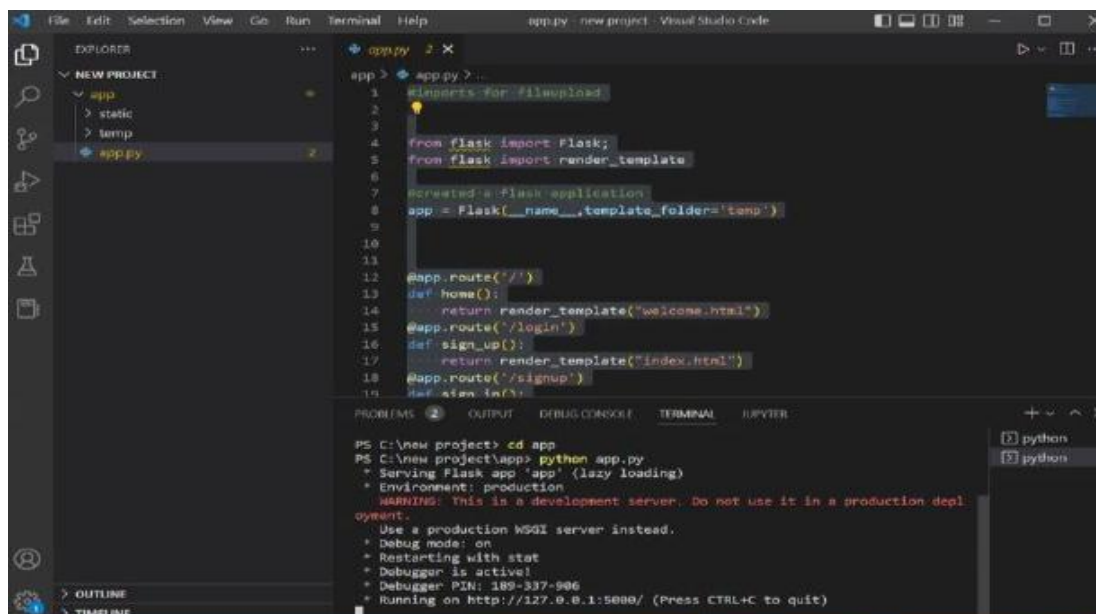
```

.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 :



```

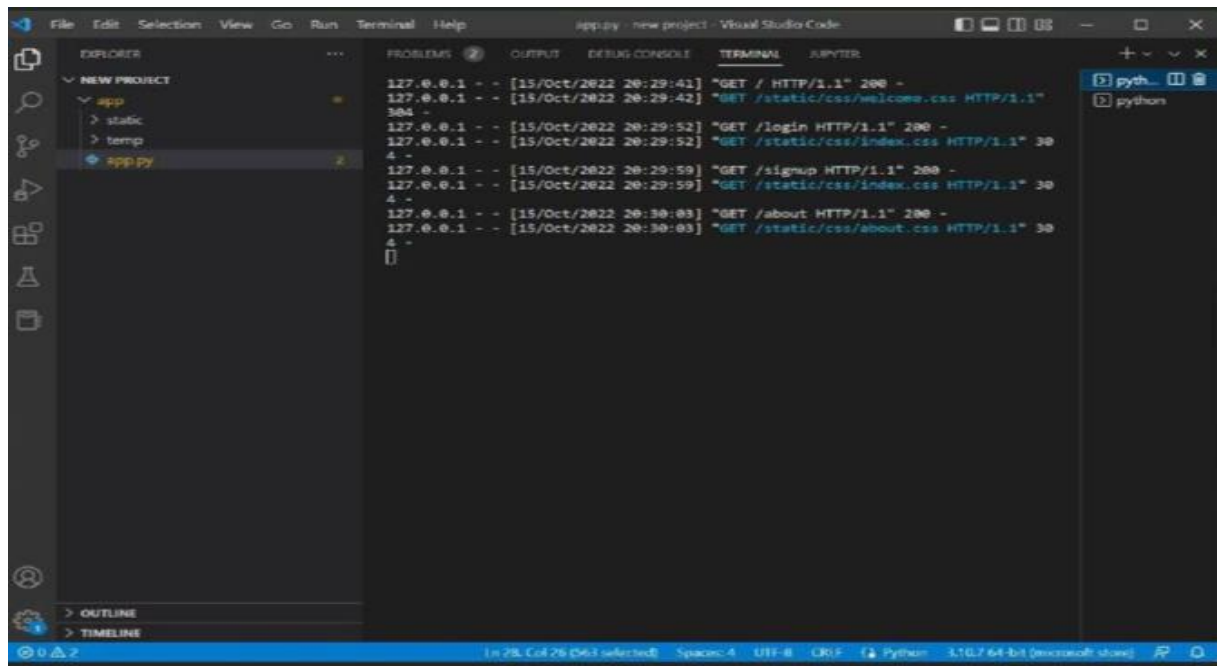
File Edit Selection View Go Run Terminal Help
app.py - new project - Visual Studio Code

EXPLORER
NEW PROJECT
  app
    static
    temp
    app.py

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  @app.route('/login')
16  def sign_up():
17      return render_template("index.html")
18  @app.route('/signup')
19  def sign_in():
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100

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER
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)

```



ABOUT PAGE:

ABOUT

Personal Expense Tracker serves five important functions in our Daily Life:

- Easy transaction download.
- Automatic logging of recurring transactions.
- A forecast of your ending balances at some point in time (cash flow).
- Auto-categorization of transactions, especially taxable items.
- And one real luxury on the wish list: the ability to scan receipts.

THROUGH ONLINE

Team

- M.Harshitha
- N.V.S Meghana
- L.V.S Bhuvana Sri
- Pooja.D

SIGN IN PAGE:

127.0.0.1:5000/login?

WELCOME!

LOGIN SIGNUP

username

password

LOGIN

NEW HERE! Log In

SIGN UP:

127.0.0.1:5000/signup

WELCOME!

LOGIN

SIGNUP

Name

Password

Email address

CREATE

Already registered? [Log In](#)