

Assignment – 2

Cloud Application Development

Assignment Date	26 September 2022
Student Name	Ms. R.Kokila
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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 App the Signup Page + database connectivity

Solution :

Code for Home page :

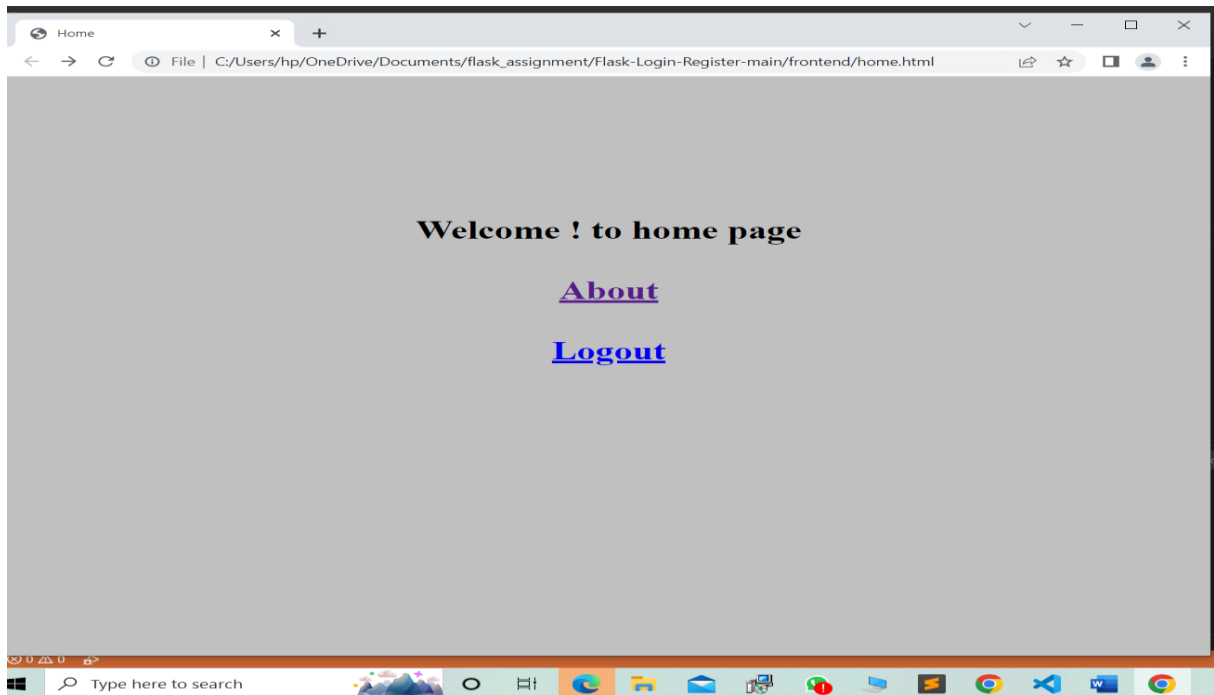
```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Home</title>
  <link rel="stylesheet" href="style.css">
</head>

<body><center><h1><br><br><br><br>
  Welcome ! to home page<br><br>
  <a href="about.html">About</a><br><br>
  <a href="logout">Logout</a></center></h1>
</body>

</html>
```

Output :

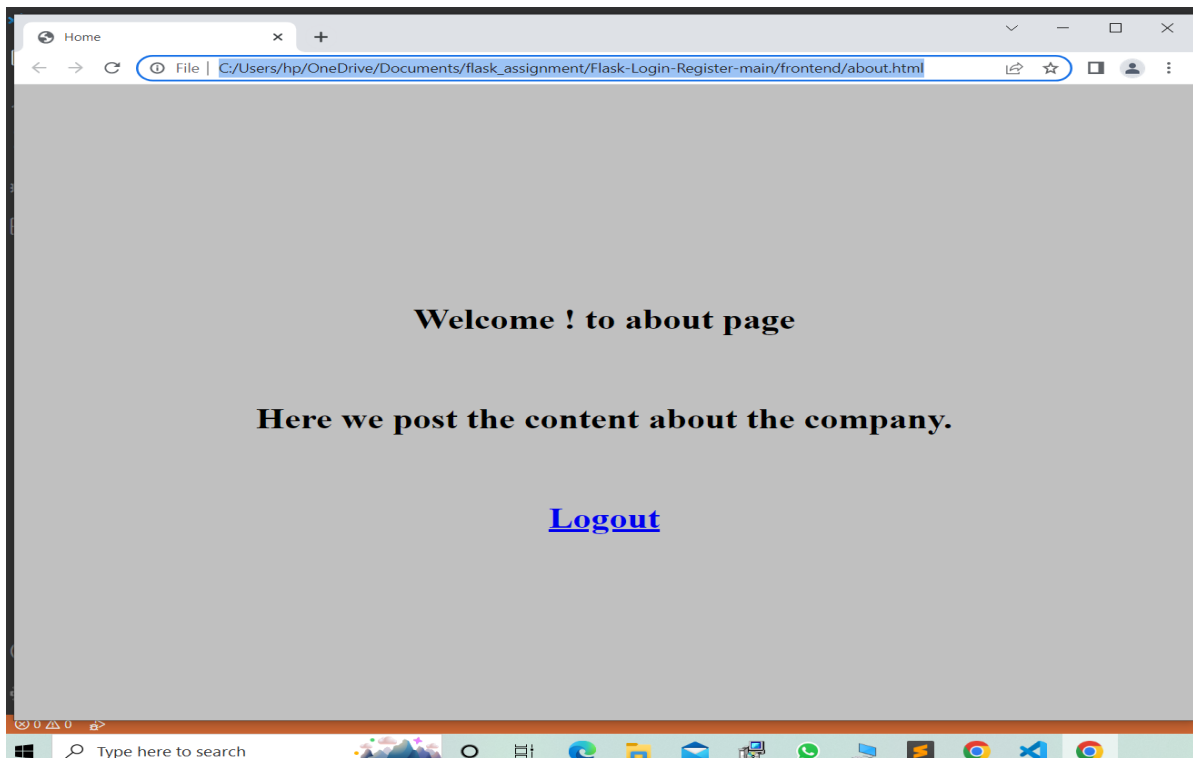


Code for About page :

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Home</title>
  <link rel="stylesheet" href="style.css">
</head>
<body><center><h1><br><br><br><br><br><br>
  Welcome ! to about page<br><br><br>
  Here we post the content about the company.<br>
  <a href="/logout">Logout</a></center></h1>
</body>
</html>
```

Output :



Code for Register page :

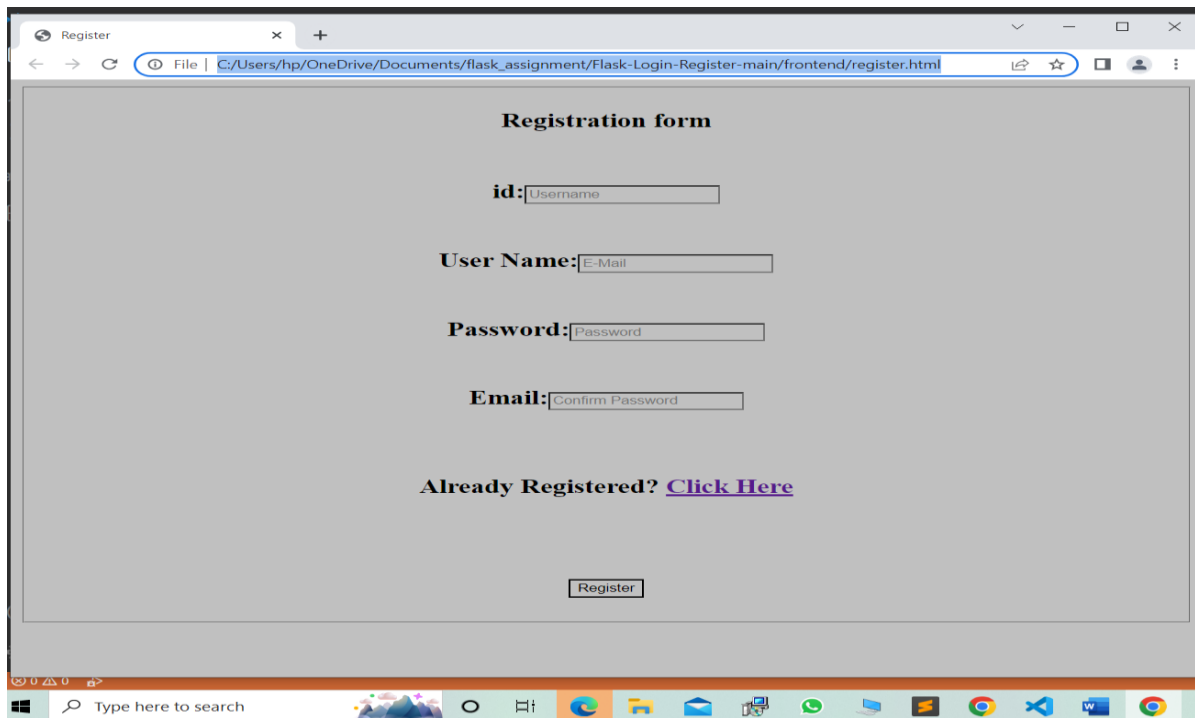
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Register</title>
  <link rel="stylesheet" href="style.css">
</head>
<body><fieldset>
  <form method="POST" action="/register"><center><h2>Registration
form</h2><br><h2>
    id:<input type="text" name="username" class="form-control"
placeholder="Username"><br><br><br>
    User Name:<input type="text" name="email" class="form-control"
placeholder="E-Mail"><br><br><br>
    Password:<input type="password" name="password" class="form-control"
placeholder="Password"><br><br><br>
    Email:<input type="password" name="confirm-password" class="form-
control" placeholder="Confirm Password"><br><br><br>
```

```

        <p>Already Registered? <a href="login.html"> Click
Here</a></p><br><br></h2>
        <button type="submit">Register</button><br><br></center>
    </form></fieldset>
</body>
</html>

```

Output :



Code for Signup page :

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login</title>
    <link rel="stylesheet" href="style.css">
</head>
<body><center><fieldset><h2>Login Page</h2><br><br>
    <form method="POST" action="/login"><h2>
        User Name:<input type="text" name="username" class="form-control"
placeholder="Username"><br><br><br>

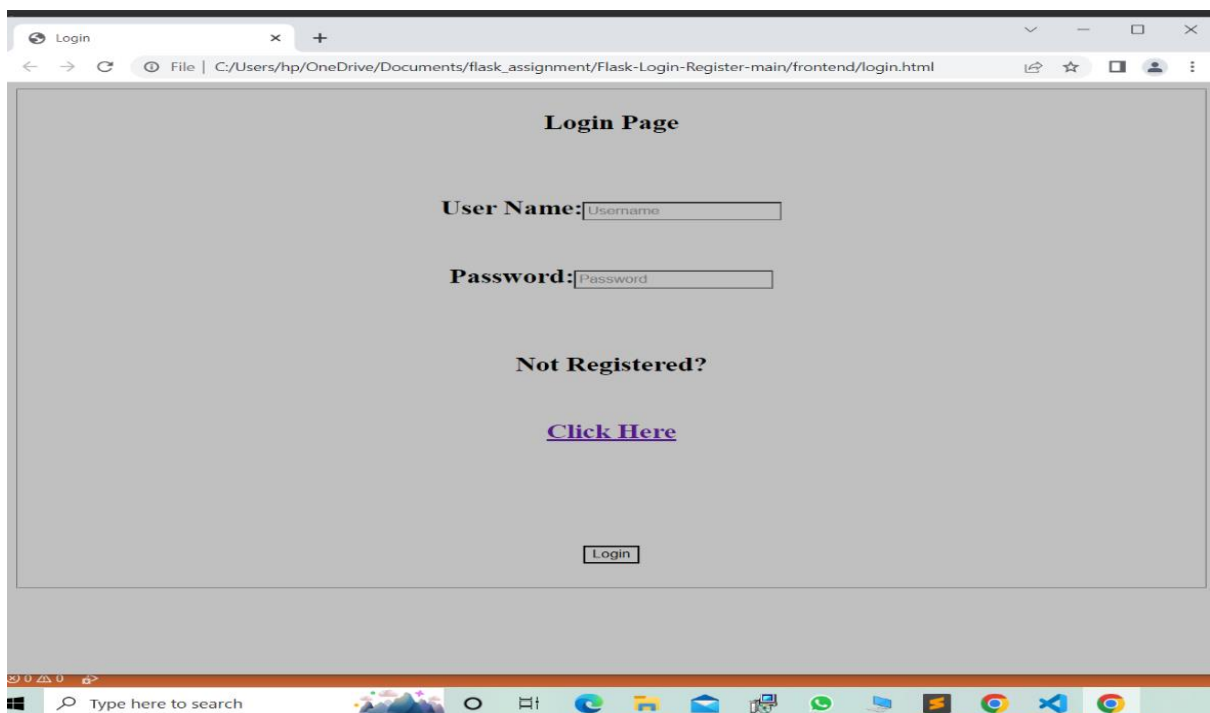
```

```

        Password:<input type="password" name="password" class="form-control"
placeholder="Password"><br><br><br>
        <p>Not Registered? <br><br><br><a href="register.html"> Click
Here</a></p><br><br><br></h2>
        <button type="submit">Login</button><br><br></fieldset>
    </form></center>
</body>
</html>

```

Output :



Code for Database Connectivity :

```

from flask import Flask

import sqlalchemy
from flask_login import LoginManager

from models import db, Users

from index import index
from login import login
from logout import logout

```

```

from register import register
from home import home

app = Flask(__name__, static_folder='../frontend/static')

app.config['SECRET_KEY'] = 'secret_key'
app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///../database.db'

login_manager = LoginManager()
login_manager.init_app(app)
db.init_app(app)
app.app_context().push()

app.register_blueprint(index)
app.register_blueprint(login)
app.register_blueprint(logout)
app.register_blueprint(register)
app.register_blueprint(home)

@login_manager.user_loader
def load_user(user_id):
    return Users.query.get(int(user_id))

if __name__ == '__main__':
    app.run(host='0.0.0.0', port=3000)

```

Output :

Server: 127.0.0.1 » Database: phlogin » Table: accounts

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	id	int(11)			No	None	AUTO_INCREMENT	Change Drop
2	username	varchar(50)	utf8_general_ci		No	None		Change Drop
3	password	varchar(255)	utf8_general_ci		No	None		Change Drop
4	email	varchar(100)	utf8_general_ci		No	None		Change Drop

☐ Check All With selected: Browse Change Drop Primary Unique Index

Print view Relation view Propose table structure Track table Move columns

Add 1 column(s) ☒ At End of Table ☐ At Beginning of Table ☐ After id

- Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	id	2	A	No	