Assignment-2
Flask login, sign in &
home page

| Assignment Date	21 October 2022
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Student Roll Number	810019104063
Maximum Marks	2 Marks

Homepage.html
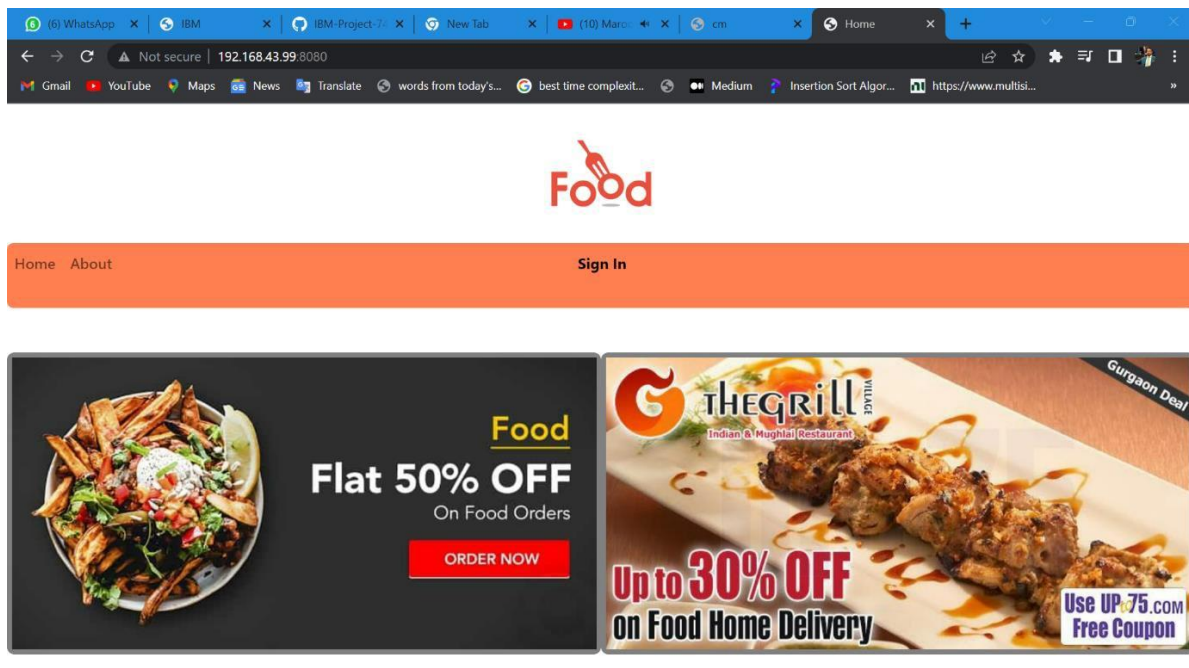
Sign in.html
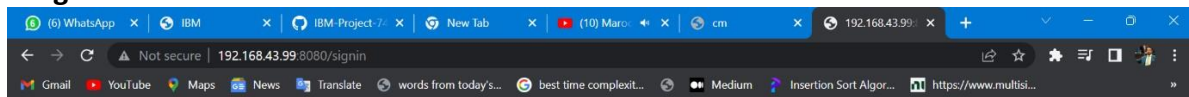
SignUp.html
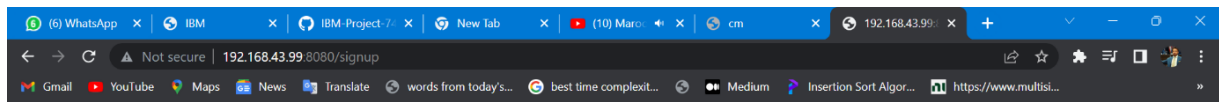

```python
from flask import Flask, render_template, request, url_for, redirect
from flask_sqlalchemy import SQLAlchemy
from flask_migrate import Migrate, migrate


app = Flask(__name__)

app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///site.db'
db = SQLAlchemy(app)

class Profile(db.Model):
    id = db.Column(db.Integer, primary_key=True)
    UserName = db.Column(db.String(20), unique=False, nullable=False)
    Email = db.Column(db.String(20), unique=False, nullable=False)
    passWord = db.Column(db.String(20), nullable=False)

    # repr method represents how one object of this datatable
    # will look like
    def __repr__(self):
        return f"Name : {self.UserName}, PassWord: {self.passWord}"


@app.route("/")
def home():
    return render_template('home.html')


@app.route("/about")
def about():
```

```python
    return render_template('about.html')


@app.route("/signin", methods=['POST', 'GET'])
def signin():
    return render_template('signin.html')




@app.route("/signup", methods=['POST', 'GET'])
def signup():
    return render_template('signup.html')
  # if request.method == 'POST':
    #    username = request.form['username']
    #   password = request.form['password']
    # repassword = request.form['repassword']
    # if password == repassword:
     #     return render_template('signin.html')
    #else:
     #    return redirect(url_for('signup'))

@app.route('/add', methods=["POST"])
def profile():
    username = request.form.get("username")
    email = request.form.get("email")
    password = request.form.get("password")
    if username != '' and email != '' and password is not None:
        p = Profile(UserName=username,Email=email,passWord=password)
        db.session.add(p)
        db.session.commit()
        return redirect(url_for('signin'))
    else:
        return redirect('/')


@app.route('/check' , methods=["GET"])
def signinChecker():
        email = request.form.get("email")
        password = request.form.get("password")
        email_data = Profile.query.get(email)
        password_data = Profile.query.get(password)
        if(email_data != 0 and password_data != 0):
            return redirect(url_for('home'))
        else:
            return redirect("/")
migrate = Migrate(app, db)
if __name__ == "__main__":
    app.run(host='0.0.0.0', port='8080', debug=True)
```

Home page.html

```html
<!DOCTYPE html>
<html>

<head>
    <title>Home</title>
    <!-- CSS only -->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css"
rel="stylesheet"
        integrity="sha384-
iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT"
crossorigin="anonymous">
    <!-- JavaScript Bundle with Popper -->
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundle.min
.js"
        integrity="sha384-
u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOOmMi466C8"
        crossorigin="anonymous"></script>
    <style>
        #logo1{
            display:flex;
            justify-content:center;
        }
        #logoinner{
            flex-wrap:wrap;
            align-items:center;

        }
        #logo{
            width:150px;
            height:150px;
        }
        .contain{
            display:flex;

        }
        .image1,.image2{
            flex-wrap:wrap;
            width:90%;
            height:90%;
            border:5px solid grey;
            border-radius:8px;
```

```html
            align-items:center;
            background-color:grey;
        }
    </style>
</head>

<body>
    <div class="main-container">
        <div id="header">
            <div id="logo1">
                <div id ="logoinner">
                <img src= "{{ url_for('static',filename='images/logo.png')}}"
id="logo" rel="stylesheet">
                </div>
            </div>
            <div id="nav">
                <nav class="navbar navbar-expand-
lg"  style='height:70px;background-color:coral;border-radius:7px;' >
                    <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle
navigation">
                        <span class="navbar-toggler-icon"></span>
                    </button>
                    <div class="collapse navbar-collapse" style="margin-
top:25px" id="navbarNav">
                    <ul class="navbar-nav" id="ul">
                        <li class="nav-item active">
                        <a class="nav-link" href="{{
url_for('home')}}"><h6>Home<h6></a>
                        </li>
                        <li class="nav-item active">
                        <a class="nav-link" href="{{
url_for('about')}}"><h6>About<h6></a>
                        </li>

                        <a class="nav-link" href="{{
url_for('signin')}}"><h6><b style="color:black;padding-left:470px">Sign
In<b><h6></a>

                    </div>
                    </ul>
                    </div>
                </nav>
            </div>

<div class ="contain">
    <div class ="image1">
```

```
        <img src="{{ url_for('static',filename='images/food1.jpg')}}" id="n1"
width="100%" height"70%">
    </div>
    <div class ="image2">
        <img src="{{ url_for('static',filename='images/food2.jpg')}}" id="n2"
width="100%" height"70%">
    </div>
</div>

</body>

</html>
```

Sign in.html

```
<!DOCTYPE html>
<html>
    <head>
        <title></title>
        <!-- CSS only -->
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT"
crossorigin="anonymous">
<!-- JavaScript Bundle with Popper -->
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundle.min
.js" integrity="sha384-
u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOOmMi466C8"
crossorigin="anonymous"></script>
    <style>
        .container{
            width: 30%;
            height: 340px;
            border: 2px solid grey;
            margin-top: 10%;
        }
        h2{
            padding-top: 10px;
            padding-bottom: 10px;
        }
        button{
            margin-top: 10px;
            margin-left: 100px;
            width: 100px;
        }

    </style>
```

```html
    </head>
    <body>
    <div class="container bg bg-secondary">
        <form action="/check" method="GET">
            <h2 align="center">Sign in</h2>
            <div class="container-fluid form-group">
                <div class="col-xs-6">
                <label>Email id:</label>
                <div class="input-group">
                    <input type="email" class="form-control " name="email"
placeholder="abc@gmail.com" required>
                </div><br>
                <label>Password</label>
                <div class="input-group">
                        <input type="password" class="form-control"
name="password" placeholder="password" required>
                 </div><br>
                 <button class="btn btn-info" >submit</button>
                 <p style="color:white">Create an Account<a
href={{url_for('signup')}}><b style="color:red">click here.</b></a></p>
            </div>
            </div>
        </form>
    </div>

    </body>
</html>
```

#Sign up.html

```html
<!DOCTYPE html>
<html>
    <head>
        <title></title>
        <!-- CSS only -->
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT"
crossorigin="anonymous">
<!-- JavaScript Bundle with Popper -->
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundle.min
.js" integrity="sha384-
u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOOmMi466C8"
crossorigin="anonymous"></script>
    <style>
        .container{
```

```html
            width: 30%;
            height: 340px;
            border: 2px solid grey;
            margin-top: 10%;
        }
        h2{
            padding-top: 10px;
            padding-bottom: 10px;
        }
        button{
            margin-top: 10px;
            margin-left: 100px;
            width: 100px;
        }

    </style>
    </head>
    <body>
    <div class="container bg bg-secondary">
        <form action="/check" method="GET">
            <h2 align="center">Sign in</h2>
            <div class="container-fluid form-group">
                <div class="col-xs-6">
                <label>Email id:</label>
                <div class="input-group">
                    <input type="email" class="form-control " name="email"
placeholder="abc@gmail.com" required>
                </div><br>
                <label>Password</label>
                <div class="input-group">
                        <input type="password" class="form-control"
name="password" placeholder="password" required>
                 </div><br>
                 <button class="btn btn-info" >submit</button>
                 <p style="color:white">Create an Account<a
href={{url_for('signup')}}><b style="color:red">click here.</b></a></p>
            </div>
            </div>
        </form>
    </div>

    </body>
</html>
```