app.py

from flask import (

    Flask,

    g,

    redirect,

    render\_template,

    request,

    session,

    url\_for

)

class User:

    def \_\_init\_\_(self, id, username, password):

        self.id = id

        self.username = username

        self.password = password

    def \_\_repr\_\_(self):

        return f'<User: {self.username}>'

users = []

users.append(User(id=1, username='Anthony', password='password'))

users.append(User(id=2, username='Becca', password='secret'))

users.append(User(id=3, username='Carlos', password='somethingsimple'))

app = Flask(\_\_name\_\_)

app.secret\_key = 'somesecretkeythatonlyishouldknow'

@app.before\_request

def before\_request():

    g.user = None

    if 'user\_id' in session:

        user = [x for x in users if x.id == session['user\_id']][0]

        g.user = user

@app.route('/login', methods=['GET', 'POST'])

def login():

    if request.method == 'POST':

        session.pop('user\_id', None)

        username = request.form['username']

        password = request.form['password']

        user = [x for x in users if x.username == username][0]

        if user and user.password == password:

            session['user\_id'] = user.id

            return redirect(url\_for('profile'))

        return redirect(url\_for('login'))

    return render\_template('login.html')

@app.route('/profile')

def profile():

    if not g.user:

        return redirect(url\_for('login'))

    return render\_template('profile.html')

login.html

<!DOCTYPE html>

<html>

<head>

  <meta charset="utf-8">

  <meta name="viewport" content="width=device-width, initial-scale=1">

  <title>Login</title>

  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bulma@0.8.0/css/bulma.min.css">

  <script defer src="https://use.fontawesome.com/releases/v5.3.1/js/all.js"></script>

</head>

<body>

  <section class="hero is-info is-fullheight">

    <div class="hero-body">

      <div class="container">

        <div class="columns is-centered">

          <div class="column is-half">

            <form method="POST">

              <div class="field">

                <label class="label">Username</label>

                <div class="control has-icons-left has-icons-right">

                  <input class="input" type="text" name="username" placeholder="Username">

                  <span class="icon is-small is-left">

                    <i class="fas fa-user"></i>

                  </span>

                </div>

              </div>

              <div class="field">

                <label class="label">Password</label>

                <p class="control has-icons-left">

                  <input class="input" type="password" name="password" placeholder="Password">

                  <span class="icon is-small is-left">

                    <i class="fas fa-lock"></i>

                  </span>

                </p>

              </div>

              <div class="field">

                <p class="control">

                  <button type="submit" class="button is-success">

                    Login

                  </button>

                </p>

              </div>

            </form>

          </div>

        </div>

      </div>

    </div>

  </section>

</body>

</html>

Profile.html

<!DOCTYPE html>

<html>

  <head>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title>Profile Page</title>

    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bulma@0.8.0/css/bulma.min.css">

    <script defer src="https://use.fontawesome.com/releases/v5.3.1/js/all.js"></script>

  </head>

  <body>

    <section class="hero is-success is-fullheight">

      <div class="hero-body">

        <div class="container">

          <h1 class="title">

            {{g.user.username}}'s Profile

          </h1>

          <h2 class="subtitle">

            You are user number #{{g.user.id}}

          </h2>

        </div>

      </div>

    </section>

  </body>

</html>



