

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>
```

```
    </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>
```

