

```
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')
```