

Assignment II

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Project Name	Personel expence tracker application

LOGIN SYSTEM

```
from flask import Flask, render_template, request, redirect, url_for, session
from flask_mysql import MySQLdb
import MySQLdb
import re

app = Flask(__name__)

# Change this to your secret key (can be anything, it's for extra protection)
app.secret_key = 'your secret key'

# Enter your database connection details below
app.config['MYSQL_HOST'] = 'localhost'
app.config['MYSQL_USER'] = 'root'
app.config['MYSQL_PASSWORD'] = ''
app.config['MYSQL_DB'] = 'pythonlogin'

# Intialize MySQL
mysql = MySQL(app)

# http://localhost:5000/pythonlogin/ - the following will be our login page, which will use both GET and
POST requests
@app.route('/pythonlogin/', methods=['GET', 'POST'])
```

```
def login():
    # Output message if something goes wrong...
    msg = ''
    return render_template('index.html', msg='')
```

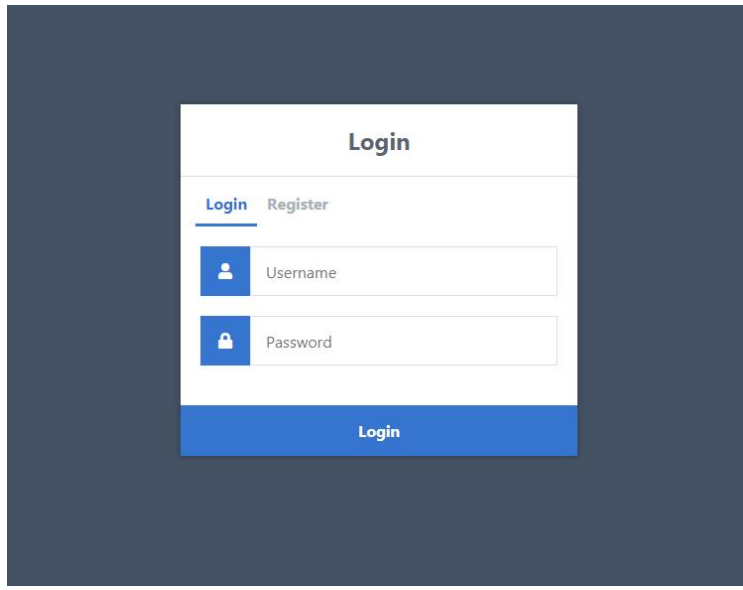
INDEX.HTML

```
<!DOCTYPE html>

<html>
  <head>
    <meta charset="utf-8">
    <title>Login</title>
    <link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.1/css/all.css">
  </head>
  <body>
    <div class="login">
      <h1>Login</h1>
      <div class="links">
        <a href="{{ url_for('login') }}" class="active">Login</a>
        <a href="#">Register</a>
      </div>
      <form action="{{ url_for('login') }}" method="post">
        <label for="username">
```

```
        <i class="fas fa-user"></i>
    </label>
    <input type="text" name="username" placeholder="Username" id="username" required>
    <label for="password">
        <i class="fas fa-lock"></i>
    </label>
    <input type="password" name="password" placeholder="Password" id="password" required>
    <div class="msg">{{ msg }}</div>
    <input type="submit" value="Login">
</form>
</div>
</body>
</html>
```

LOGIN OUTPUT



REGISTER.HTML

```
<!DOCTYPE html>

<html>

  <head>

    <meta charset="utf-8">

    <title>Register</title>

    <link rel="stylesheet" href="{{ url_for('static', filename='style.css') }}">

    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.1/css/all.css">

  </head>

  <body>

    <div class="register">

      <h1>Register</h1>

      <div class="links">

        <a href="{{ url_for('login') }}">Login</a>
```

```
        <a href="{{ url_for('register') }}" class="active">Register</a>
    </div>
    <form action="{{ url_for('register') }}" method="post" autocomplete="off">
        <label for="username">
            <i class="fas fa-user"></i>
        </label>
        <input type="text" name="username" placeholder="Username" id="username" required>
        <label for="password">
            <i class="fas fa-lock"></i>
        </label>
        <input type="password" name="password" placeholder="Password" id="password" required>
        <label for="email">
            <i class="fas fa-envelope"></i>
        </label>
        <input type="email" name="email" placeholder="Email" id="email" required>
        <div class="msg">{{ msg }}</div>
        <input type="submit" value="Register">
    </form>
</div>
</body>
</html>
```

MAIN.PY

http://localhost:5000/pythinlogin/register - this will be the registration page, we need to use both GET and POST requests

```
@app.route('/pythonlogin/register', methods=['GET', 'POST'])
def register():
    # Output message if something goes wrong...
    msg = ""
    # Check if "username", "password" and "email" POST requests exist (user submitted form)
    if request.method == 'POST' and 'username' in request.form and 'password' in request.form and 'email' in request.form:
        # Create variables for easy access
        username = request.form['username']
        password = request.form['password']
        email = request.form['email']
    elif request.method == 'POST':
        # Form is empty... (no POST data)
        msg = 'Please fill out the form!'
    # Show registration form with message (if any)
    return render_template('register.html', msg=msg)
```

OUTPUT FOR REGISTRATION

Register

Login

Register

Username

Password

Email

You have successfully registered!

Register