Flask installation:

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app.py:

from flask import Flask

```
app = Flask( name )
```

@app.route('/')

def hello():

return '<h1>Hello, World!</h1>'

CREATING DATABASE:

```
INSERT INTO `accounts` (`id`, `username`, `password`, `email`) VALUES (1,
'test', 'test', 'test@test.com');
Style.css:
* {
        box-sizing: border-box;
        font-family: -apple-system, BlinkMacSystemFont, "segoe ui", roboto,
oxygen, ubuntu, cantarell, "fira sans", "droid sans", "helvetica neue", Arial,
sans-serif;
        font-size: 16px;
        -webkit-font-smoothing: antialiased;
        -moz-osx-font-smoothing: grayscale;
}
body {
        background-color: #435165;
        margin: 0;
}
.login, .register {
        width: 400px;
        background-color: #ffffff;
        box-shadow: 0 0 9px 0 rgba(0, 0, 0, 0.3);
        margin: 100px auto;
}
.login h1, .register h1 {
        text-align: center;
        color: #5b6574;
        font-size: 24px;
        padding: 20px 0 20px 0;
        border-bottom: 1px solid #dee0e4;
}
.login .links, .register .links {
        display: flex;
        padding: 0 15px;
}
.login .links a, .register .links a {
        color: #adb2ba;
        text-decoration: none;
        display: inline-flex;
        padding: 0 10px 10px 10px;
        font-weight: bold;
```

```
}
.login .links a:hover, .register .links a:hover {
        color: #9da3ac;
}
.login .links a.active, .register .links a.active {
        border-bottom: 3px solid #3274d6;
        color: #3274d6;
}
.login form, .register form {
        display: flex;
        flex-wrap: wrap;
        justify-content: center;
        padding-top: 20px;
}
.login form label, .register form label {
        display: flex;
        justify-content: center;
        align-items: center;
        width: 50px;
        height: 50px;
        background-color: #3274d6;
        color: #ffffff;
}
.login form input[type="password"], .login form input[type="text"], .login
form input[type="email"], .register form input[type="password"], .register
form input[type="text"], .register form input[type="email"] {
        width: 310px;
        height: 50px;
        border: 1px solid #dee0e4;
        margin-bottom: 20px;
        padding: 0 15px;
}
.login form input[type="submit"], .register form input[type="submit"] {
        width: 100%;
        padding: 15px;
        margin-top: 20px;
        background-color: #3274d6;
        border: 0;
        cursor: pointer;
```

```
font-weight: bold;
        color: #ffffff;
        transition: background-color 0.2s;
}
.login form input[type="submit"]:hover, .register form
input[type="submit"]:hover {
        background-color: #2868c7;
        transition: background-color 0.2s;
}
.navtop {
        background-color: #2f3947;
        height: 60px;
        width: 100%;
        border: 0;
}
.navtop div {
        display: flex;
        margin: 0 auto;
        width: 1000px;
        height: 100%;
}
.navtop div h1, .navtop div a {
        display: inline-flex;
        align-items: center;
.navtop div h1 {
        flex: 1;
        font-size: 24px;
        padding: 0;
        margin: 0;
        color: #eaebed;
        font-weight: normal;
}
.navtop div a {
        padding: 0 20px;
        text-decoration: none;
        color: #c1c4c8;
        font-weight: bold;
```

```
}
.navtop div a i {
        padding: 2px 8px 0 0;
}
.navtop div a:hover {
        color: #eaebed;
}
body.loggedin {
        background-color: #f3f4f7;
}
.content {
        width: 1000px;
        margin: 0 auto;
}
.content h2 {
        margin: 0;
        padding: 25px 0;
        font-size: 22px;
        border-bottom: 1px solid #e0e0e3;
        color: #4a536e;
}
.content > p, .content > div {
        box-shadow: 0 0 5px 0 rgba(0, 0, 0, 0.1);
        margin: 25px 0;
        padding: 25px;
        background-color: #fff;
}
.content > p table td, .content > div table td {
        padding: 5px;
}
.content > p table td:first-child, .content > div table td:first-child {
        font-weight: bold;
        color: #4a536e;
        padding-right: 15px;
}
.content > div p {
        padding: 5px;
      margin: 0 0 10px 0;
```

CREATING THE LOGGING SYSTEM: from flask import Flask, render_template, request, redirect, url_for, session from flask_mysqldb import MySQL import MySQLdb.cursors import re AA AFTER: 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) ADD AFTER: # 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...

CREATING THE TEMPLATE:

return render_template('index.html', msg=")

msg = "

```
<meta charset="utf-8">
                <title>Login</title>
                <link rel="stylesheet" href="{{ url_for('static',</pre>
filename='style.css') }}">
                <link rel="stylesheet"</pre>
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></i>
                                 </label>
                                 <input type="text" name="username"</pre>
placeholder="Username" id="username" required>
                                 <label for="password">
                                         <i class="fas fa-lock"></i>
                                 </label>
                                 <input type="password" name="password"</pre>
placeholder="Password" id="password" required>
                                 <div class="msg">{{ msg }}</div>
                                 <input type="submit" value="Login">
                         </form>
                </div>
        </body>
</html>
```

OUTPUT:

