

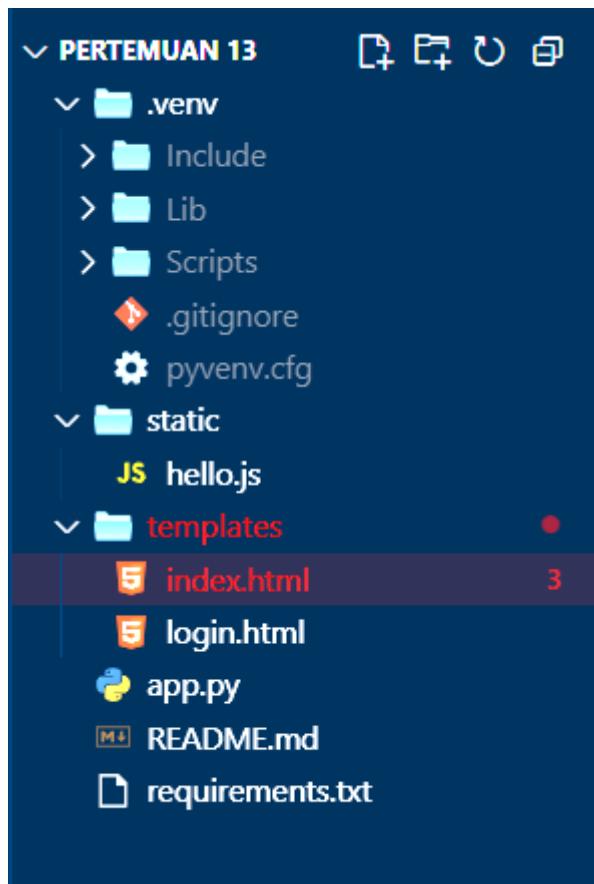
Flask Routing Project Documentation

Identitas Diri

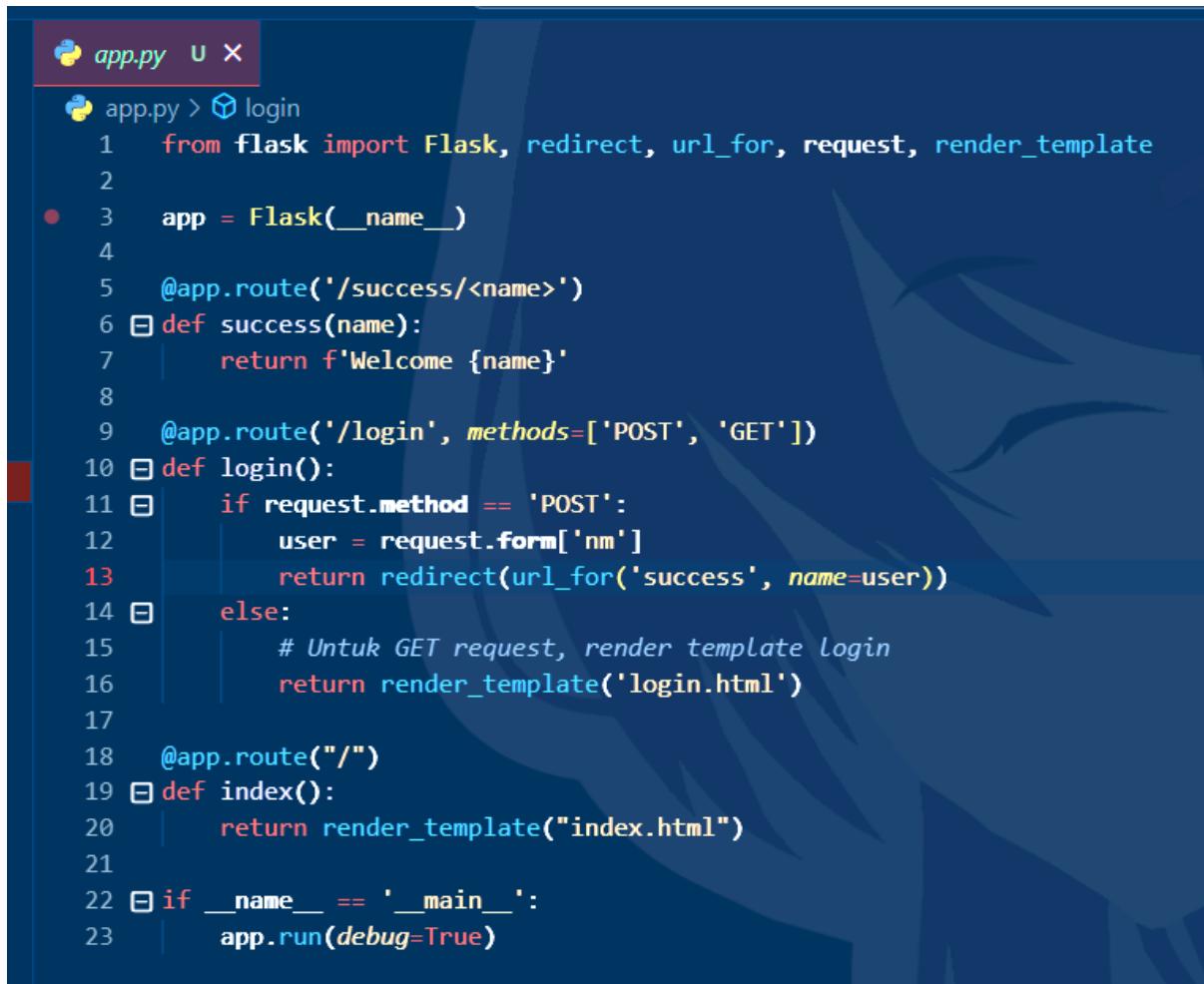
- **Nama:** Aldi Septiyanto
- **NIM:** 20210140002
- **Program Studi:** Teknologi Informasi
- **Mata Kuliah:** Pemrograman Multiplatform Antara

Kode Perbaikan yang Lengkap

1. Struktur Project

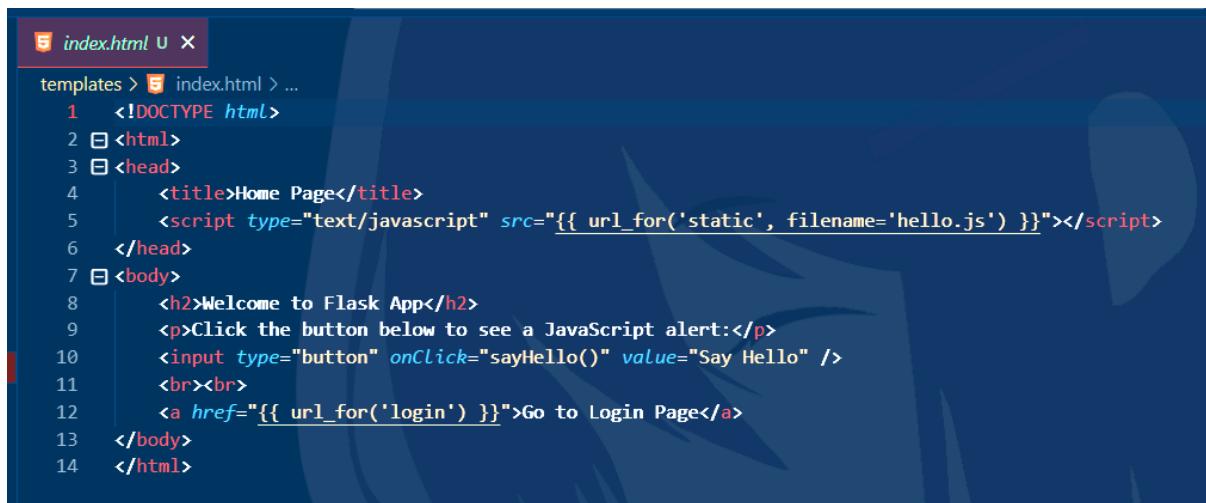


2. File app.py



```
app.py  u  X
app.py > login
1  from flask import Flask, redirect, url_for, request, render_template
2
3  app = Flask(__name__)
4
5  @app.route('/success/<name>')
6  def success(name):
7      return f'Welcome {name}'
8
9  @app.route('/login', methods=['POST', 'GET'])
10 def login():
11     if request.method == 'POST':
12         user = request.form['nm']
13         return redirect(url_for('success', name=user))
14     else:
15         # Untuk GET request, render template login
16         return render_template('login.html')
17
18 @app.route("/")
19 def index():
20     return render_template("index.html")
21
22 if __name__ == '__main__':
23     app.run(debug=True)
```

3. File templates/index.html



```
index.html  u  X
templates > index.html > ...
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Home Page</title>
5      <script type="text/javascript" src="{{ url_for('static', filename='hello.js') }}></script>
6  </head>
7  <body>
8      <h2>Welcome to Flask App</h2>
9      <p>Click the button below to see a JavaScript alert:</p>
10     <input type="button" onClick="sayHello()" value="Say Hello" />
11     <br><br>
12     <a href="{{ url_for('login') }}>Go to Login Page</a>
13 </body>
14 </html>
```

4. File templates/login.html

```
login.html 4.0 x
templates > login.html > ...
1  <!DOCTYPE html> A 'viewport' meta element was not specified.
2  <html>  <html> element must have a lang attribute: The <html> element does not have a lang attribute
3  <head>
4      <title>Login Form</title>
5  </head>
6  <body>
7      <h2>Login Form</h2>
8      <form action="{{ url_for('login') }}" method="post">
9          <p>Enter Name:</p>
10         <><input type="text" name="nm" /></p>  Form elements must have labels: Element has no title attribute Element has no placeholder attrib
11         <><input type="submit" value="Submit" /></p>
12     </form>
13  </body>
14 </html>
```

5. File static/hello.js

```
hello.js  U X
static > hello.js > sayHello
1  function sayHello() {
2      alert("Hello World! Iam Aldyst");
3  }
```

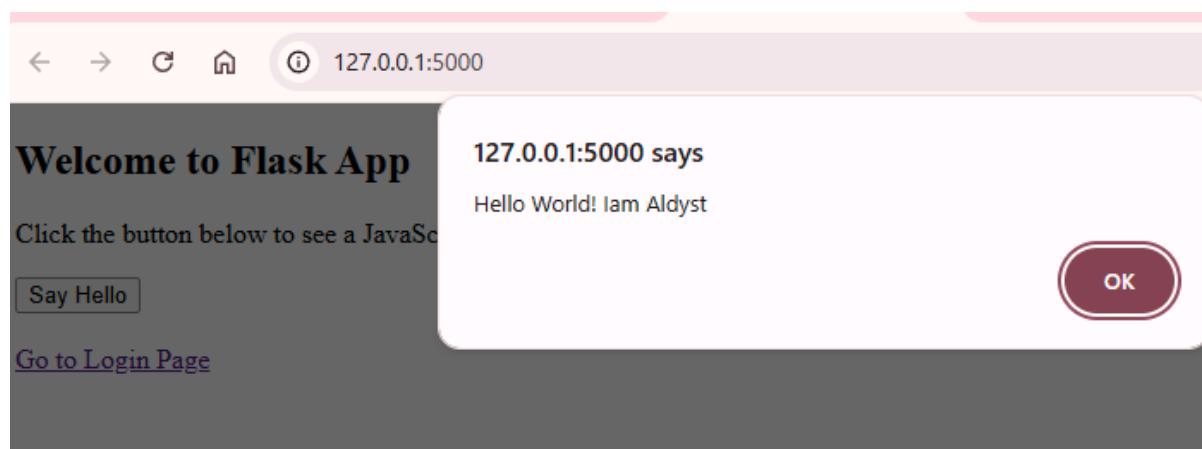
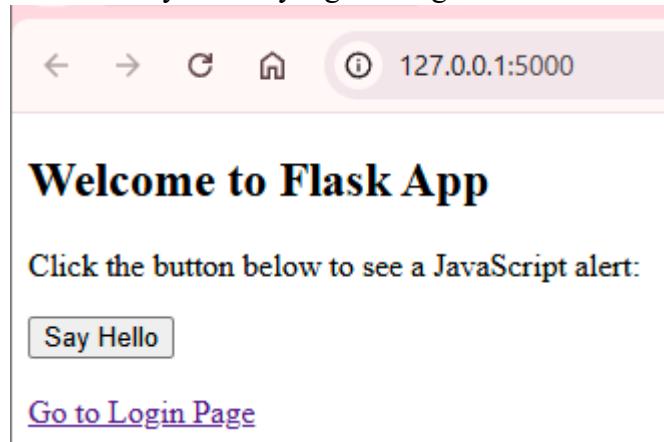
6. File requirements.txt

```
requirements.txt  U X
requirements.txt
1  Flask==2.3.3
2  Werkzeug==2.3.7
3  Jinja2==3.1.2
4  itsdangerous==2.1.2
5  click==8.1.7
6  blinker==1.6.2|
```

Screenshot Hasil Eksekusi Projek

1. Halaman Utama (<http://localhost:5000/>)

- Tombol "Say Hello" yang berfungsi



- Link ke halaman login
[Go to Login Page](#)

2. Alert JavaScript

- Popup alert "Hello World! Iam Aldyst" saat tombol diklik



3. Halaman Login (<http://localhost:5000/login>)

- o Form input dengan field "nm"
- o Tombol submit

127.0.0.1:5000/login

Login Form

Enter Name:

Submit

4. Halaman Success ([http://localhost:5000/success/\[nama\]](http://localhost:5000/success/[nama]))

127.0.0.1:5000/success/Aldyst

- o Pesan welcome dengan nama yang diinput

127.0.0.1:5000/success/Aldyst

Welcome Aldyst

5. Terminal/Command Prompt

- o Server Flask berjalan di <http://127.0.0.1:5000>
- o Debug mode aktif

```
PS D:\KULIAH\SEMESTER PENDEK\PMULTI\PERTEMUAN 13> python app.py
 * Serving Flask app 'app'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
```

Repository GitHub

URL Repository: https://github.com/Aldist12/FlaskRouting_002.git

Struktur Repository:

text

flask-routing-project/

 |—— app.py

 |—— requirements.txt

```
|── README.md  
|── static/  
|   └── hello.js  
└── templates/  
    ├── index.html  
    └── login.html
```

Penjelasan Perbaikan

1. Perbaikan Routing

- Menggunakan url_for() untuk generate URL dinamis
- Route /login menangani GET dan POST methods
- Route /success/<name> menerima parameter dinamis

2. Struktur Project yang Benar

- Folder templates untuk file HTML
- Folder static untuk file JavaScript/CSS
- File requirements.txt untuk dependencies

3. Template System

- Menggunakan render_template() untuk render HTML
- Template inheritance yang tepat
- Passing data antara route dan template

4. Form Handling

- Menangani form submission dengan metode POST
- Mengakses form data dengan request.form
- Redirect setelah form submission berhasil

5. Static Files

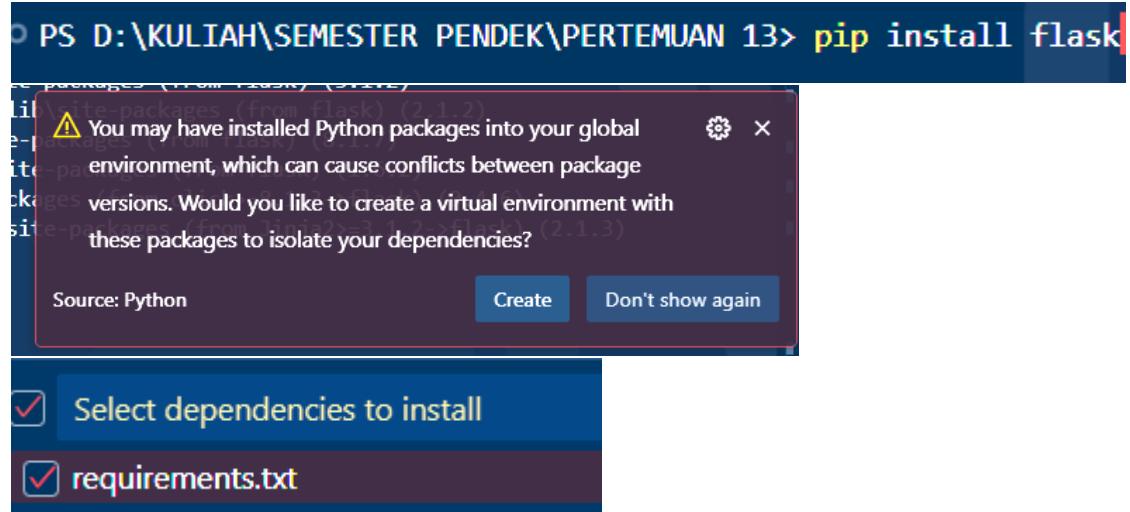
- File JavaScript terpisah di folder static
- Load JavaScript dengan url_for('static', filename='...')
- Alert JavaScript yang berfungsi dengan baik

Cara Menjalankan

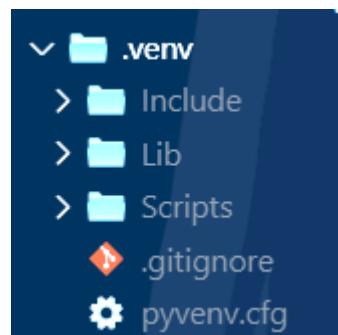
1. Install dependencies:

bash

```
pip install -r requirements.txt / pip install flask
```



Maka akan otomatis terbuat file

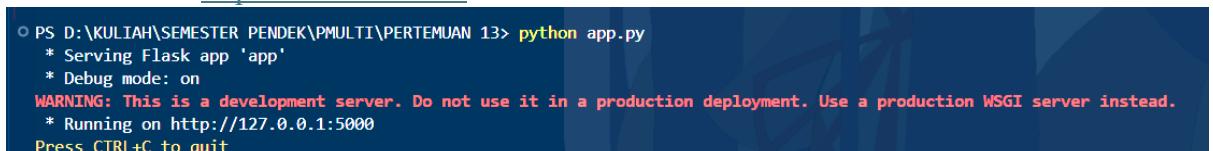


2. Jalankan aplikasi:

```
bash
```

```
python app.py
```

3. Buka browser: <http://localhost:5000>



Welcome to Flask App

Click the button below to see a JavaScript alert:

[Say Hello](#)

[Go to Login Page](#)

Hasil yang Diharapkan

- Server Flask berjalan di port 5000
- Halaman utama bisa diakses
- Tombol "Say Hello" memunculkan alert
- Link ke halaman login berfungsi
- Form login bisa menerima input
- Redirect ke halaman success dengan nama pengguna
- Semua routing bekerja dengan benar