<http://flask.pocoo.org/docs/1.0/quickstart/#a-minimal-application>

http://flask.pocoo.org/docs/1.0/installation/#installation

mkdir myproject

cd myproject

**python -m venv venv**

**venv\Scripts\activate**

**pip install Flask**

Create file **hello.py**

**from** flask **import** Flask

app = Flask**(**\_\_name\_\_**)**

@app.route**(**'/'**)**

**def** hello\_world**():**

**return** 'Hello, World!'

**set FLASK\_APP=hello.py**

**flask run**

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Hello.py

from flask import Flask

app = Flask(\_\_name\_\_)

@app.route('/')

def index():

return 'Index Page'

@app.route('/hello')

def hello():

return 'Hello, World'

######################33

**set FLASK\_ENV=development**

**flask run**

**/hello**

**################################**

user/username

user/liubov

post/42

path/ggh/jkhkj

#########################

from flask import Flask

app = Flask(\_\_name\_\_)

@app.route('/user/<username>')

def show\_user\_profile(username):

# show the user profile for that user

return 'User %s' % username

@app.route('/post/<int:post\_id>')

def show\_post(post\_id):

# show the post with the given id, the id is an integer

return 'Post %d' % post\_id

@app.route('/path/<path:subpath>')

def show\_subpath(subpath):

# show the subpath after /path/

return 'Subpath %s' % subpath

########################

user/username

user/liubov

post/42

path/ggh/jkhkj

from flask import Flask

app = Flask(\_\_name\_\_)

from markupsafe import escape

from flask import redirect

from flask import url\_for

@app.route("/admin")

def hello\_admin():

    return f"Hello Admin!!!"

@app.route("/guest/<guest>")

def hello\_guest(guest):

    return f"Hello {guest} as Guest"

@app.route("/user/<name>")

def hello\_user(name):

    if name=="admin":

        return redirect(url\_for("hello\_admin"))

    else:

        return redirect(url\_for("hello\_guest", guest=name))

if \_\_name\_\_ == '\_\_main\_\_':

    app.run(debug=True)

## Rendering Templates[¶](http://flask.pocoo.org/docs/1.0/quickstart/#rendering-templates)

from flask import Flask

from flask import render\_template

app = Flask(\_\_name\_\_)

@app.route('/hello/')

@app.route('/hello/<name>')

def hello(name=None):

return render\_template('hello.html', name=name)

**Create folder templates**

**hello.html**

<!doctype html>

<title>Hello from Flask</title>

{% if name %}

<h1>Hello, {{ name }}!</h1>

{% else %}

<h1>Hello, World!</h1>

{% endif %}

**################################################3**

**/hello**

**/hello/liubov**

**############################################3**

**login.html**

<!DOCTYPE HTML>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8">

<title>Login Form</title>

</head>

<body>

<form method="POST">

<label> Name: <input type="text" name="username"> </label>

<label> Password: <input type="password" name="password"></label>

<input type="submit" >

</form>

<h1>Login Page</h1>

<!-- Comments -->

<p>First</p>

<p>Second</p>

</body>

</html>

**hello.py**

from flask import Flask

from flask import render\_template

from flask import request

app = Flask(\_\_name\_\_)

def valid\_login(name,password):

return name==password

def log\_the\_user\_in (name):

return " Hello, you are an authorized user " + name

@app.route('/hello/')

@app.route('/hello/<name>')

def hello(name=None):

return render\_template('hello.html', name=name)

@app.route('/login', methods=['POST', 'GET'])

def login():

error = None

if request.method == 'POST':

if valid\_login(request.form['username'],

request.form['password']):

return log\_the\_user\_in(request.form['username'])

else:

error = 'Invalid username/password'

# the code below is executed if the request method

# was GET or the credentials were invalid

return render\_template('login.html', error=error)

######################################################################

def valid\_login(name,password):

return name==password

def log\_the\_user\_in (name):

return " Hello, you are an authorized user " + name

from flask import Flask

from flask import render\_template

from flask import request

app = Flask(\_\_name\_\_)

@app.route('/hello/')

@app.route('/hello/<name>')

def hello(name=None):

return render\_template('hello.html', name=name)

def valid\_login(name,password):

return name==password

def log\_the\_user\_in(name):

return "Hello, you are an authorized user "+name

def log\_the\_user\_notin(name):

return "Hello, you are not an authorized user "+name

@app.route('/login', methods=['POST', 'GET'])

def login():

error = None

if request.method == 'POST':

if valid\_login(request.form['username'],

request.form['password']):

return log\_the\_user\_in(request.form['username'])

else:

error = 'Invalid username/password'

#return log\_the\_user\_notin(request.form['username'])

# the code below is executed if the request method

# was GET or the credentials were invalid

return render\_template('login.html', error=error)