Flask Reference Sheet

Installation

\$> pip3 install flask



Rendering Templates

from flask import render_template

#without parameters
@app.route('/')
def index():
 return render_template('index.html')

#with parameters
@app.route('/greeting')
def greeting():
 msg = 'Hello'
 return render_template('greeting.html',msg = msg)

Routing with parameter

website.com/YoungWonks
@app.route('/<name>')
def index(name):
 # returns Hello Youngwonks!
 return 'Hello ' + name + '!'

Create <u>a venv</u>

\$> python3 -m venv venv
\$> venv/bin/activate
(venv) \$>

Directory Structure

project_dir/
 templates/
 index.html
 app.py
 venv/

🛑 😑 🌒 Minimum Code

from flask import Flask

app = Flask(__name__)

```
@app.route('/')
def index():
    return 'Hello, World!'
```

if __name__ == '__main__':
 app.run(debug=True)

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Request Methods

#only allows GET requests
@app.route('/home')

```
#allows only GET and POST.
@app.route('/home', methods=['GET', 'POST'])
```

```
#allows all 4 methods
@app.route('/home', methods=['GET', 'POST', 'PUT', 'DELETE'])
```

```
• Access Request Data
#request type
request.method
#query get parameters
request.args['name']
#form data
request.form['name']
#files
request.files['name']
```

```
Pedirect
Redirect
From flask import render_template, redirect
@app.route('/',methods = ['GET','POST'])
def index():
    if request.method == 'GET':
       return render_template('index.html')
    elif request.method == 'POST':
       print(request.form)
       #perform database operation
       return redirect('/')
```



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                     Session
from flask import session
app.config['SECRET KEY'] = 'any random string'
@app.route('/login',methods = ['GET', 'POST'])
def login():
  if request.method == 'GET':
    return render template('login.html')
  elif request.method == 'POST':
    email = request.form['email']
    passsword = request.form['passsword']
    if login_success:
      session['email'] = email
      return redirect('/home')
    else:
      return redirect('/login')
@app.route('/home')
def home():
 if 'email' in session:
    email = session['email']
 else:
    return redirect('/login')
```