

## **#Flask Cheat Sheet and Quick Reference**

## **#Barebones App** from flask import Flask app = Flask(\_\_name\_\_) @app.route('/hello') def hello(): return 'Hello. World!' if \_\_name\_\_ == '\_\_main\_\_': app.run(debug=True) #Routing @app.route('/hello/<string:name>') # example.com/hello/Anthony def hello(name): return 'Hello ' + name + '!' # returns hello Anthony! #Allowed Request Methods @app.route('/test') #default. only allows GET requests @app.route('/test', methods=['GET', 'POST']) #allows only GET and POST. @app.route('/test', methods=['PUT']) #allows only PUT #Configuration #direct access to config app.config['CONFIG NAME'] = 'config value' #import from an exported environment variable with a path to a config file app.config.from\_envvar('ENV\_VAR\_NAME') #Templates from flask import render template @app.route('/') def index(): return render\_template('template\_file.html', var1=value1, ...) **#JSON Responses** import jsonify @app.route('/returnstuff') def returnstuff(): $num_list = [1,2,3,4,5]$ num dict = {'numbers' : num list. 'name' : 'Numbers'} #returns {'output' : {'numbers' : [1,2,3,4,5], 'name' : 'Numbers'}} return isonifv({'output' : num dict})

```
#Access Request Data
request.args['name'] #guery string arguments
request form['name'] #form data
request.method #request type
request.cookies.get('cookie name') #cookies
request files['name'] #files
#Redirect
from flask import url for, redirect
@app.route('/home')
def home():
    return render template('home.html')
@app.route('/redirect')
def redirect example():
    return redirect(url for('index')) #sends user to /home
#Abort
from flask import abort()
@app.route('/')
def index():
    abort(404) #returns 404 error
    render template('index.html') #this never gets executed
#Set Cookie
from flask import make_response
@app.route('/')
def index():
    resp = make response(render template('index.html'))
    resp.set cookie('cookie name', 'cookie value')
    return resp
#Session Handling
import session
app.config['SECRET_KEY'] = 'any random string' #must be set to use sessions
#set session
@app.route('/login_success')
def login_success():
    session['key_name'] = 'key_value' #stores a secure cookie in browser
    return redirect(url_for('index'))
#read session
@app.route('/')
def index():
    if 'key_name' in session: #session exists and has key
        session_var = session['key_value']
    else: #session does not exist
```

## **#Useful Plugins**

Flask-PyMongo - http://readthedocs.org/docs/flask-pymongo/

Flask-SQLAlchemy - http://pypi.python.org/pypi/Flask-SQLAlchemy

Flask-WTF - http://pythonhosted.org/Flask-WTF/

Flask-Mail - http://pythonhosted.org/Flask-Mail/

FLask-RESTFul - https://flask-restful.readthedocs.org/

Flask-Uploads - https://flask-uploads.readthedocs.org/en/latest/

Flask-User - http://pythonhosted.org/Flask-User/

FLask-Login - http://pythonhosted.org/Flask-Login/

## **#Useful Links**

Flask Website - http://flask.pocoo.org

Pretty Printed Website - http://prettyprinted.com

Pretty Pretty YouTube Channel https://www.youtube.com/c/prettyprintedtutorials

PRE IN PROPRIETA COM