Flask: The Cheat Sheet

Installation

```
$ pip install Flask
```

Hello World

```
# myapp.py
from flask import Flask
app = Flask(__name__)

@app.route('/')
def hello_world():
    return 'Hello World'

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

URL Routing

```
@app.route('/foo/<name>/<int:age>')
def view(name, age):
    return '%s is %d years old' % (
        name, age
    )
```

Template Rendering

```
from flask import render_template

return render_template(
    'foo.html',
    var1=value1, var2=value2, ...
)
```

Flask for Django users

Action	Django	Flask
Retrieve query params ("GET data")	request.GET request.GET['name']	request.args request.args['name']
Retrieve form params ("POST data")	request.POST request.POST['first_name']	request.form request.form['name']
Checking request type	request.method	request.method
Retrieve cookie value	request.COOKIES	request.cookies
Set a cookie	response.set_cookie(key, value, ...)	response.set_cookie(key, value, ...)
Sessions	request.session['foo']	session['foo']
Access settings	from django.conf import settings settings.my_name	app.config app.config['my_name']

Useful functionality

From flask import..	This is a...	usage
Flask	Flask application object	`app = Flask(__name__)`
request	Thread-local request object	`request.args['test']` `request.form['name']`
session	Thread-local session object	`session['name'] = 'value'`
url_for	Builds URLs based on route names	`url_for('blog', id=45, slug='hi')`
redirect	Generates a redirect response	`return redirect('/hello')`

Basic App Layout

```
my_app.py
static/
    logo.png
    base.css
templates/
    blog_post.html
    index.html
```

Package App Layout

```
my_app/
    __init__.py
    application.py
    models.py
    static/
        logo.png
        base.css
    templates/
        blog_post.html
        index.html
```

More Info

- http://flask.pocoo.org (main site & docs)
- http://flask.pocoo.org/docs/quickstart
- http://github.com/mitsuhiko/flask