



# Flask

(vs Django)

@starenka

# DJ Ango vs Flask

- Batteries included vs Extensions
- Docela složitý vs Jednoduchý
- Boilerplate vs Napiš pár řádek a sázej
- Struktura projektu vs Volnost

# U CAN HAZ

- dev server & debugger & wsgi (Werkzeug)
- URL routing
- templates (Jinja2)
- session & cookies
- logging
- flash messages
- static files handling

# AssertionError

AssertionError

## Traceback (most recent call last)

```
File "/usr/local/lib/python2.7/dist-packages/flask/app.py", line 1701, in __call__
    return self.wsgi_app(environ, start_response)
File "/usr/local/lib/python2.7/dist-packages/flask/app.py", line 1689, in wsgi_app
    response = self.make_response(self.handle_exception(e))
File "/usr/local/lib/python2.7/dist-packages/flask/app.py", line 1687, in wsgi_app
    response = self.full_dispatch_request()
File "/usr/local/lib/python2.7/dist-packages/flask/app.py", line 1360, in full_dispatch_request
    rv = self.handle_user_exception(e)
File "/usr/local/lib/python2.7/dist-packages/flask/app.py", line 1358, in full_dispatch_request
    rv = self.dispatch_request()
File "/usr/local/lib/python2.7/dist-packages/flask/app.py", line 1344, in dispatch_request
    return self.view_functions[rule.endpoint](**req.view_args)
File "/data/prac/talks/flask/app.py", line 6, in hello_world
    assert False

[console ready]
>>> request.method
'GET'
>>> |
```

AssertionError

The debugger caught an exception in your WSGI application. You can now look at the traceback which led to the error.

# O HAI!

```
1  from flask import Flask, render_template
2  app = Flask(__name__)
3
4  @app.route('/')
5  def hello_world():
6      return render_template('ohai.html', googies=True)
7
8  if __name__ == '__main__':
9      app.run()
```

```
1  <!doctype html>
2  <title>O HAI!</title>
3  {% if googies %}
4      <h1>TEH CAT DID IT!</h1>
5  {% else %}
6      <h1>LONG CAT IS LONG!</h1>
7  {% endif %}
```

# U CAN HAZ EXTENSIONS

```
>>> pip search flask | wc -l
```

```
>>>287
```

- **AR/ORM** (flask-sqlalchemy: SQLite, Postgresql, MySQL, Oracle, MS-SQL, Firebird.. )
- forms (flask-WTF)
- admin (flask-admin)
- flatpages (flask-flatpages)
- cache (flask-cache)
- i10n/i18n (flask-babel)
- REST (flask-restless)
- celery, redis, OAuth....

EOF