



UNIVERSITAT<sub>DE</sub>  
BARCELONA



pyBCN BARCELONA  
PYTHON  
MEETUP

# Learning Web Frameworks in Python

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# Where I teach WF: Subjects

**FLASK:** Agile Data Science - Màster DataScience UB

- <https://datascienceub.github.io/ADS/>

**DJANGO:** Software Distribuït - Grau d'Enginyeria Informàtica UB

- <http://ub-gei-sd.github.io/>

# Flask

- MicroFramework. <http://flask.pocoo.org/>

- All in one file



**app.py**

- Straightforward routing system

```
from flask import Flask
app = Flask(__name__)
@app.route("/")
def hello():
    return "Hello World!"
```

- import what you need

```
$ FLASK_APP=hello.py flask run
```

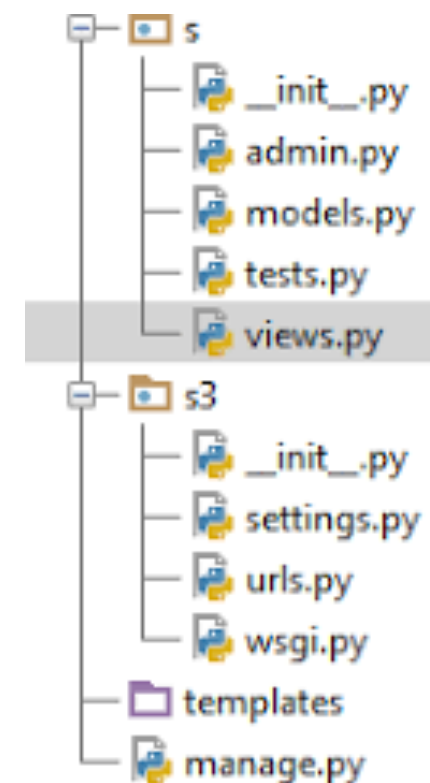
- Templating system Jinja2

```
Flask
Flask-Login
Flask-Script
WTForms
Flask-pymongo
```

- PyCharm starting projects for
  - Flask

# Django

- Framework. <https://www.djangoproject.com/>
- **MVT** (models.py, views.py templates.html)
- Routing ( urls.py,)
- you have out the box database, ORM, admin panel. But you may need more packages (“contrib.login, logout...”)
- Own templating system



- PyCharm starting projects for
  - Django

# Final projects deployed in heroku

- Django (Undergraduated)

<http://sd2018-ykea-b2.herokuapp.com/ykea/>

- Flask (Master Degree)

<https://flask-fooapp-nuria.herokuapp.com/products/>

<https://tweempact.herokuapp.com/>

<https://desolate-retreat-98405.herokuapp.com/>

- Dask (Master Degree in Bussiness Analytics)

<https://dask-app-emily-eisenblaetter.herokuapp.com/>

# More examples in Repos

- <https://github.com/ADS2018UB>
- <https://github.com/UB-ES-2018>
- <https://github.com/UB-GEI-SD>