GitHub Quick Talks
Web Dev with Python: Flask

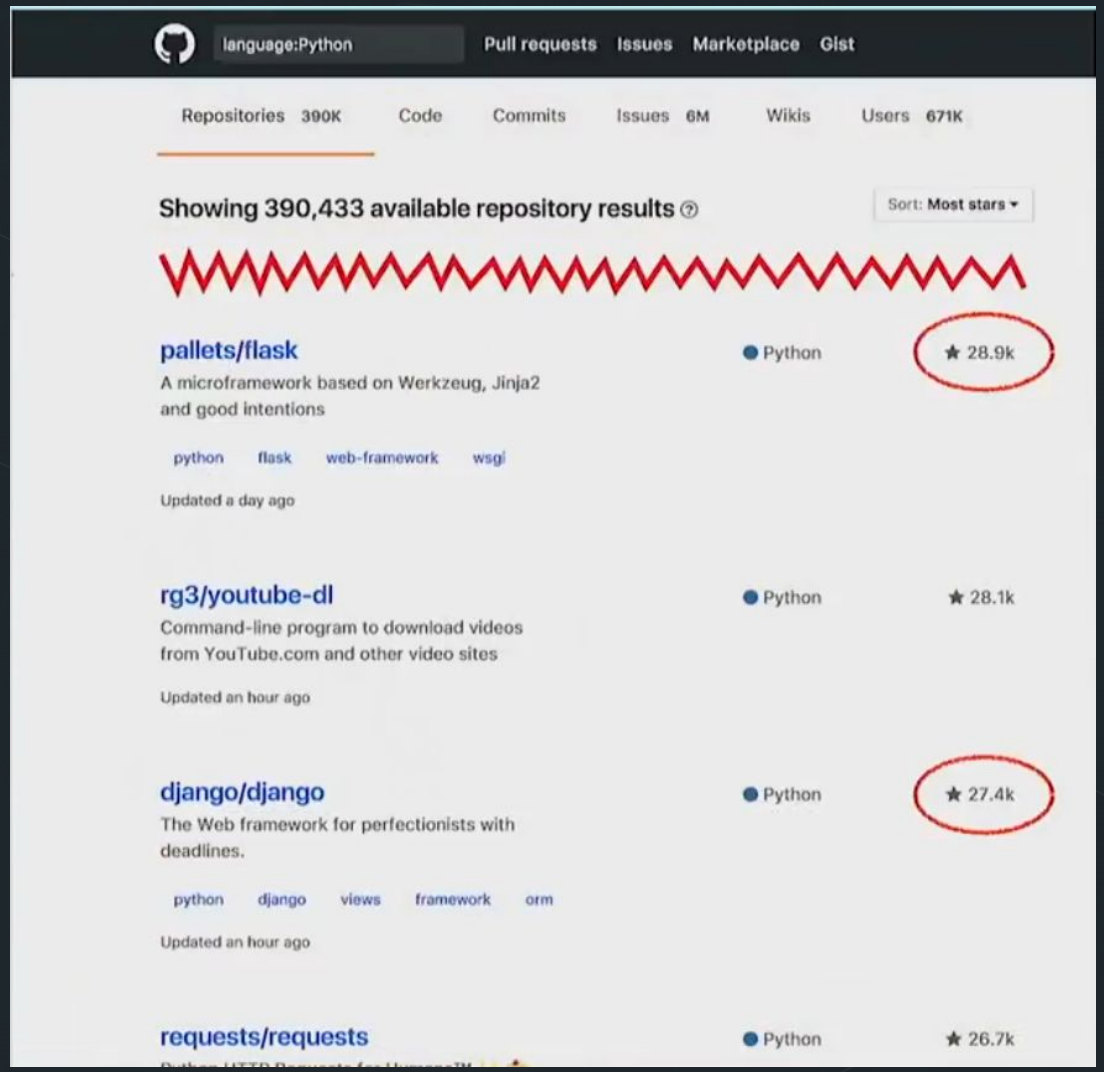
Web Dev in Python

Flask

Surprising Beginnings

Flask started in 2010 as April Fool's Joke!

Popularity


language:Python
Pull requests
Issues
Marketplace
Gist
Repositories 390K
Code
Commits
Issues 6M
Wikis
Users 671K
Showing 390,433 available repository results
Sort: Most stars
pallets/flask
A microframework based on Werkzeug, Jinja2 and good intentions
python
flask
web-framework
wsgi
Updated a day ago
Python
★ 28.9k
rg3/youtube-dl
Command-line program to download videos from YouTube.com and other video sites
Updated an hour ago
Python
★ 28.1k
django/django
The Web framework for perfectionists with deadlines.
python
django
views
framework
orm
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Python
★ 27.4k
requests/requests
Python
★ 26.7k

Is Flask better than Django?

Flask is minimalistic.

Flask is preferable by beginners.

Flask allows single file projects.

Flask is a lot tangible. Plugin and Play!

Flask includes templating, URL routing, error handling and a debugger. That's all!

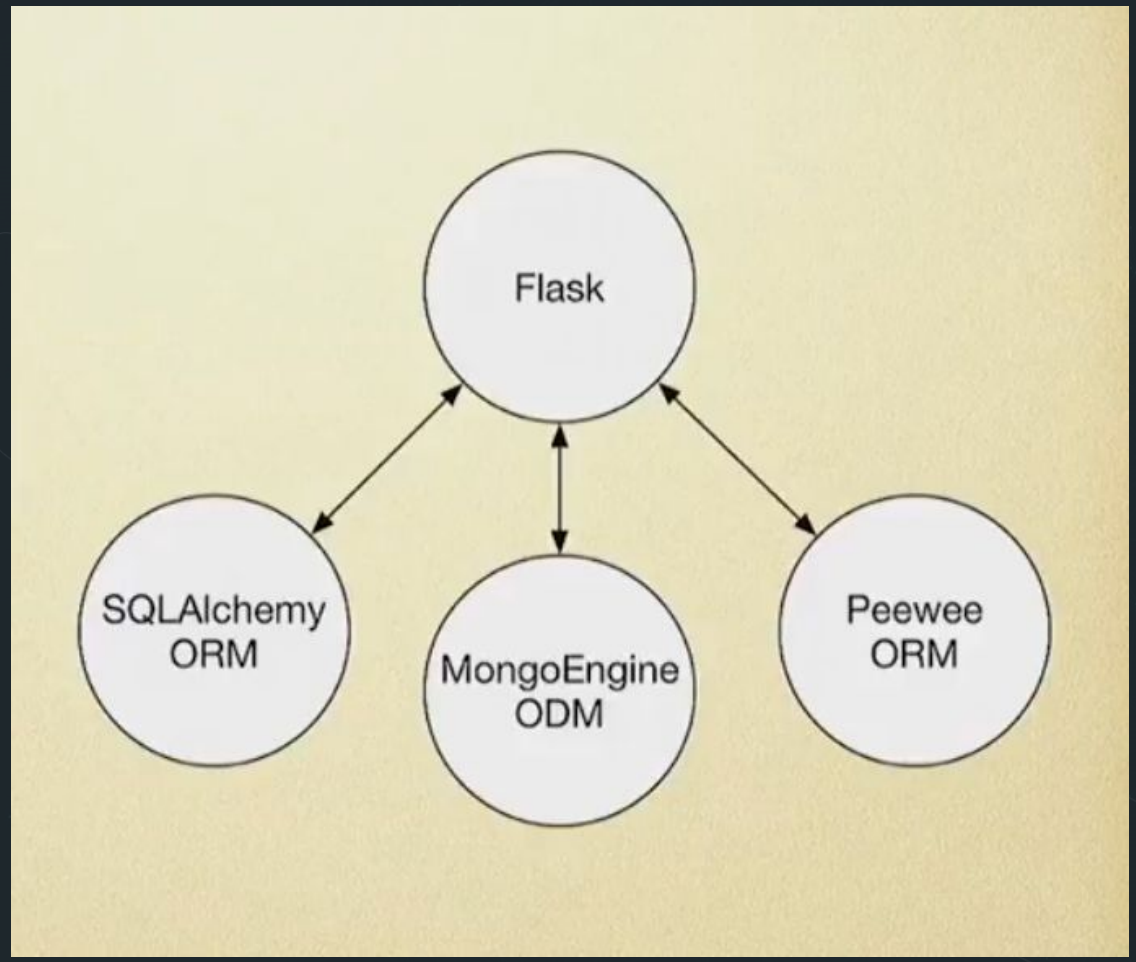
Getting started

save as hello.py

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

now run:

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


Flask
SQLAlchemy
ORM
MongoEngine
ODM
Peewee
ORM

Flask-SQLAlchemy

Install using pip:

```
pip install Flask-SQLAlchemy
```

Import and configure:

```
from flask import Flask
from flask_sqlalchemy import SQLAlchemy

app = Flask(__name__)
app.config[‘SQLALCHEMY_DATABASE_URI’] =
\’sqlite:////tmp/test.db
db = SQLAlchemy(app)’
```

Creating a model:

```
class BlogPost(db.Model):
  title = db.Column(db.String(200))
  content = db.Column(db.text)
  pub_date = db.Column(db.DateTime)
```

Manipulating data:

```
bp = BlogPost()
bp.title = “QuickTalk”
db,session.add(bp)
db.session.commit()
```

Querying Data:

```
BlogPost.query
.filter_by(title=”QuickTalk”).all()
```

Users in Flask

```
from flask_login import current_user
@app.route('/')
def index():
   if current_user.is_anonymous:
         return "Not logged in"
   else
         return "Bhai Bhai Bhai"
```

```
from flask_login import
  login_required


@app.route('/settings')
@login_required
def settings():
   returned "Welcome"
```

Blueprints in Flask

```
from flask import Blueprint
hello_bp = Blueprint('hello', __name__)

@hello_bp.route('/')
def hello():
  return "Hello World"
```

```
from flask import Flask
from yourapp.hello import hello_bp
app = Flask(__name__)
app.register_blueprint(hello_bp)
```

When to use Flask?

Open House Discussion

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Thank You!