



# GitHub Quick Talks

## Web Dev with Python: Flask

# Web Dev in Python



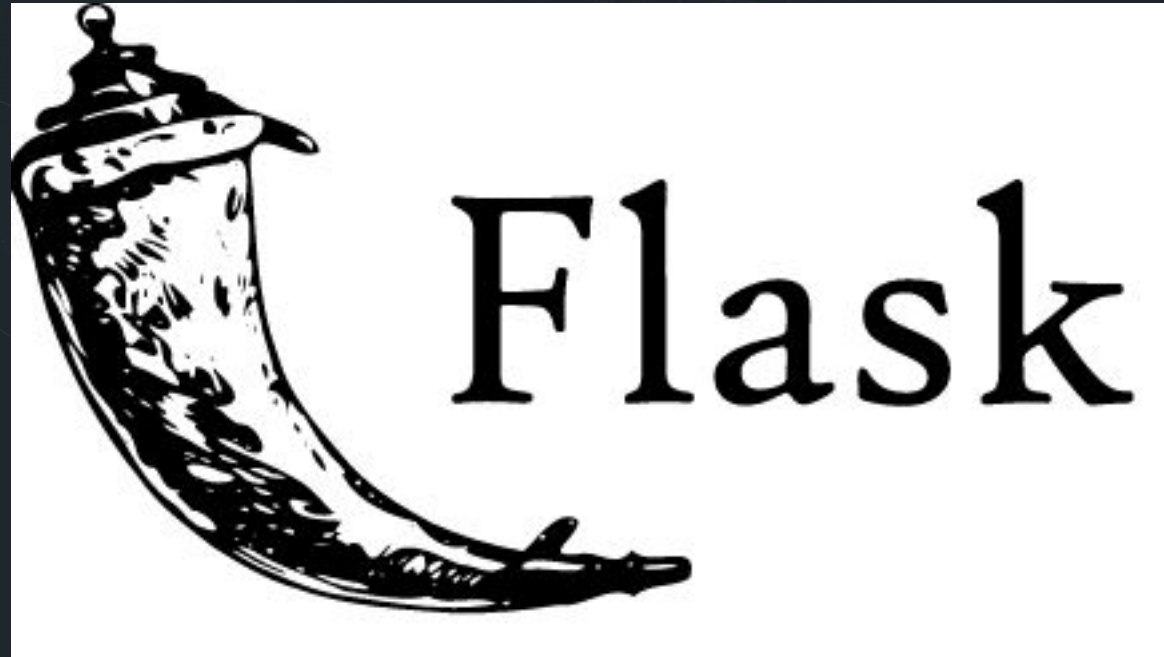
**django**



**Bottle**



**WEB2PY**



# Surprising Beginnings

A screenshot of the DENIED web framework README. The title 'DENIED' is in large red letters. Below it, the subtitle reads 'THE NEXT GENERATION PYTHON MICRO-WEB-FRAMEWORK'. To the right, there are links for 'README', 'DOCUMENTATION', 'CODE', and 'ABOUT'. The main content area is titled 'A COMPLETELY DENIED APPLICATION' and describes the framework's simplicity, noting that no installation or configuration is required. It includes a code block showing a simple Flask-like application with a single route. At the bottom, there are links to 'WATCH THE SCREENCAST' and a note about watching a screencast to see how easy it is to write a scalable web 2.0 application with denied.

**DENIED**

THE NEXT GENERATION PYTHON MICRO-WEB-FRAMEWORK

**A COMPLETELY DENIED APPLICATION**

No installation or configuration required. No dependencies other than the Python standard library. Just get a copy of `deny.py`, place it into your project directory and start coding.

```
from deny import *
```

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

```
if __name__ == '__main__':  
    run()
```

That's it! Now run your application and go to <http://localhost:5000/> and your application will greet you!

Not sold yet? Watch the screencast to see how easy it is to write a scalable web 2.0 application with denied: [watch in quicktime format](#)

**WATCH THE SCREENCAST**

Flask started in 2010 as April Fool's Joke!

# Popularity

The screenshot shows the GitHub search interface for Python repositories. At the top, the search bar contains 'language:Python'. Below the search bar, the results are sorted by 'Most stars'. A red zigzag line is drawn across the top of the repository list, indicating a trend or highlight. The first repository listed is 'pallets/flask', which has 28.9k stars. The second repository is 'rg3/youtube-dl' with 28.1k stars. The third repository is 'django/django' with 27.4k stars. The fourth repository is 'requests/requests' with 26.7k stars. The stars are circled in red for 'pallets/flask' and 'django/django'.

Repository	Stars
pallets/flask	28.9k
rg3/youtube-dl	28.1k
django/django	27.4k
requests/requests	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!

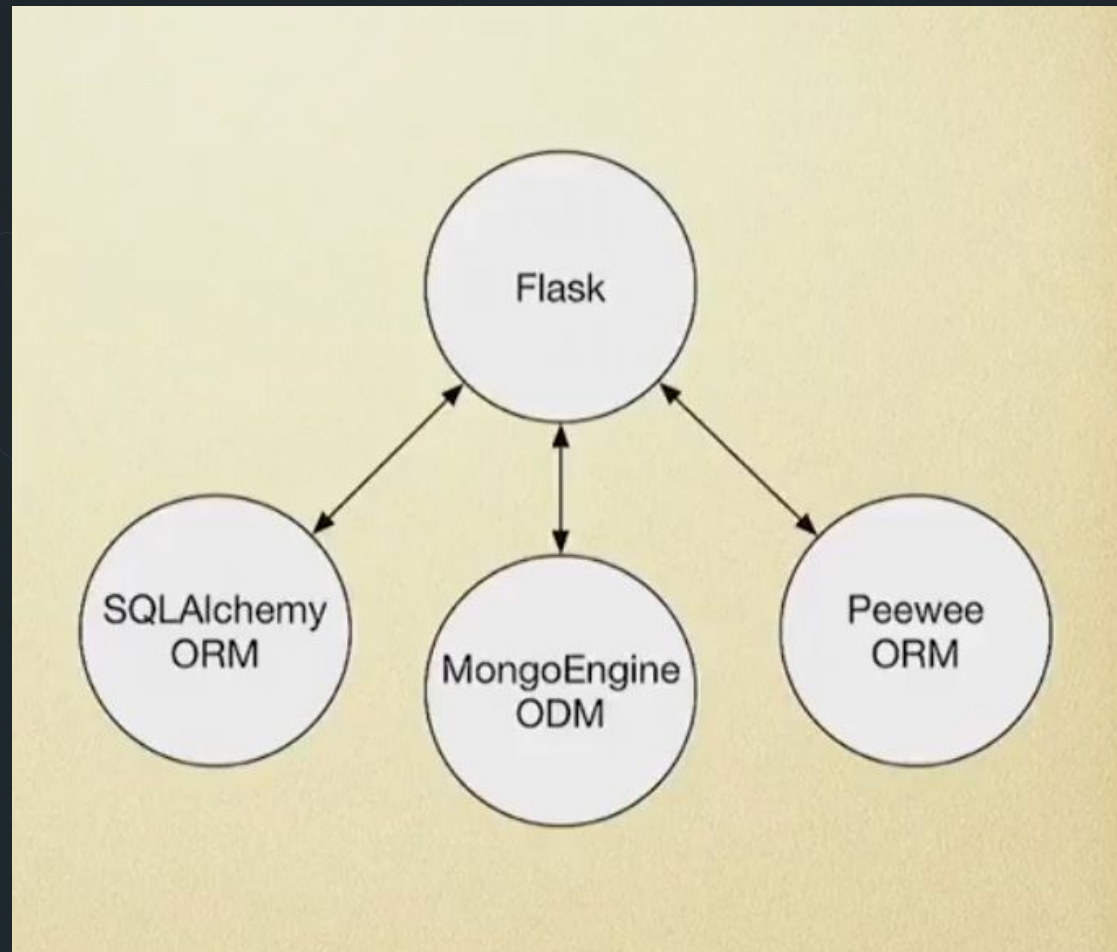
# Getting started

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

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():
```

```
    return "Welcome"
```

# Blueprints in Flask

```
from flask import Blueprint

hello_bp = Blueprint('hello', __name__)

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

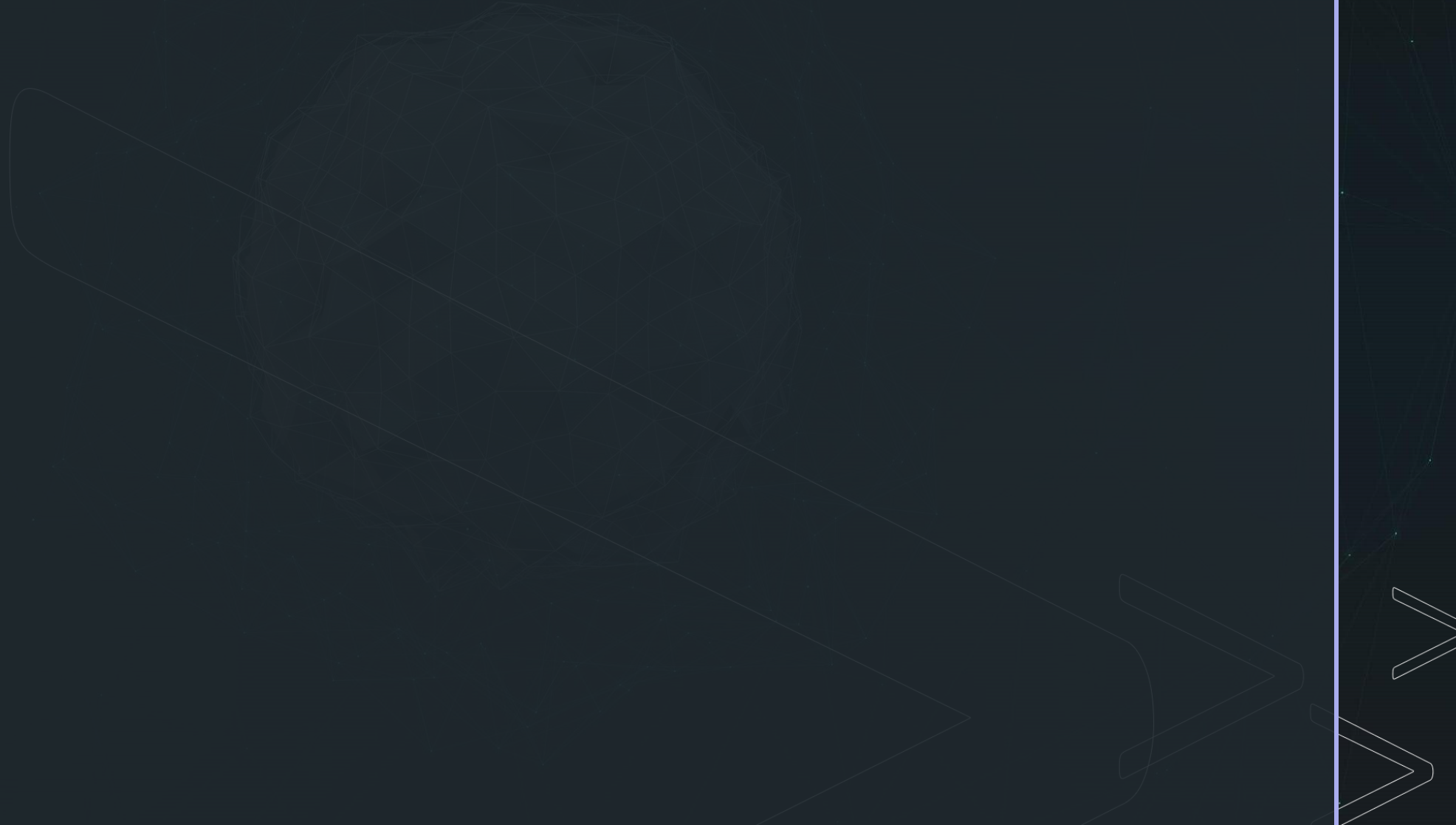
```
from flask import Flask

from yourapp.hello import hello_bp

app = Flask(__name__)
app.register_blueprint(hello_bp)
```



# When to use Flask?





# Open House Discussion

Presented by

**Siddhant Srivastav**

@WickedBrat

[fb.com/siddhant.srivastav.3](https://fb.com/siddhant.srivastav.3)



**Thank You!**