Shopyo: Your Mega Machine For Flask
# Python Mauritius UserGroup (pymug)

More info: [mscc.mu/python-mauritius-usergroup-pymug/](mscc.mu/python-mauritius-usergroup-pymug/)

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Abdur-Rahmaan Janhangeer
(Just a Python programmer)

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compileralchemy.com
FlaskCon organising member + Flask Community Workgroup member
and Shopyo maintainer
Shopyo: Your Mega Flask Machine
https://shopyo.readthedocs.io/en/latest/
v 4.1.2 on pypi -> pip install shopyo==4.1.2
Flask or Django? was the question which preoccupied philosowebists in PyLand during and after the reign of Guido I
Why People Turn To Django? [1]
Why People Turn To Django?

- Speed and Efficiency 🔥

spin websites quickly
Why People Turn To Django?

- Maturity 🌴
Why People Turn To Django?

- Customization

ecosystem 🎁
Why People Turn To Django?

- Scalability 🌿

modules
Why People Turn To Django?

- Security

common attacks
Why People Turn To Django?

- Versatility

wide range of apps
Why People Turn To Flask? [2]
Why People Turn To Flask?

- Learning Curve 🚗

quick
Why People Turn To Flask?

- Gets out your way 🚧
Why People Turn To Flask?

- No opinion on how to solve problems

microservices
Why People Turn To Flask?

- Customisation
What if we could hack Flask to have Django advantages?
What if we could hack Flask to have Django advantages?

That's what Shopyo is!
Why Shopyo?
Why Shopyo?

- Modules

sharing of modules between projects
Giving Flask users SUPER powers
Why Shopyo?

- Organisation 📚

Neat, easy to navigate, read, understand
Why Shopyo?

- Feature-packed 🍉
MIGRATIONS

ASSETS MANAGEMENT

MODULES
Also docs + tests included from the start
Why Shopyo?

- Transparent / no magic 💡
What a Shopyo project looks like?
What does a module looks like:
 MODULE

---

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auth
├── static
├── templates
│   └── auth
├── tests
│   --- view.py
│   --- models.py
│   --- forms.py
│   --- upload.py
│   --- info.json
Getting Started

```bash
mkdir blog
python3.9 -m venv venv
. venv/bin/activate
pip install shopyo==4.1.2
shopyo new
cd blog
python manage.py initialise
python manage.py rundebug
```
Supported commands

start server

```
python manage.py run
```

Depends on whether development set in env
Supported commands

Run with debug=True

```python
python manage.py rundebug
```
Supported commands

Run with debug=False

```
python manage.py runserver
```
Supported commands

initialise

python manage.py initialise
Supported commands

collectstatic

```python
python manage.py collectstatic
```
api.get_asset etc
Supported commands

db migrate

```
python manage.py db migrate
python manage.py db upgrade
```
FaQ
Is it reliable?

We don't maintain middlewares, we use:

- flask-login
- flask-admin
- flask-migrate
- flask-wtf
- wtf-sqlalchemy
- flask-mailman
Why not use Django?

- Because Flask
@letsvventurein #letshangout Why did Pinterest decide to use Django? Paul mentioned 'heavily-modified Django' -can you pls elaborate on tht?
@saideep_g @letsventurein Its a decision I made because I was most comfortable with django & python. Django does a lot for you, but once
@saideep_g @letsventurein you hit a certain scale you fight the framework and try to make it work the other way. This is why we had to fork
@saideep_g @letsventurein django and build connection pooling, jinja template support, caching via ORM. But the end of 2012 we moved off it.
Replies to @yashh

@yashh @letsventurein #letshangout What did you move to? What was the top reason for the change?

10:06 AM · Jul 31, 2015 · Twitter Web Client
@saideep_g @letsventurein We built a home grown framework on top of Flask. We wanted a simple framework since our data was sharded
And, that's what shopyo is!
[1] https://sophilabs.co/blog/why-we-choose-django
[3] https://twitter.com/saideep_g/status/626991740105285632?s=20