

</>

Step by Step

"Git Clone, git zip etc...."

01

Download & Dependencies



I'm missing the
uv.lock

New Project

Pure Python

Python

Jupyter

FastAPI

Flask

Django

> Other

Location: /Users/kristofferjohansson/PycharmProjects/PythonProject 

Create Git repository Create a welcome script

Interpreter type: Project venv **uv** Base conda Custom environment

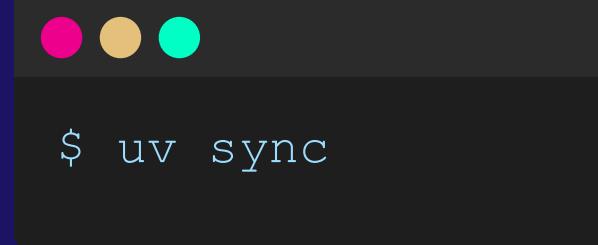
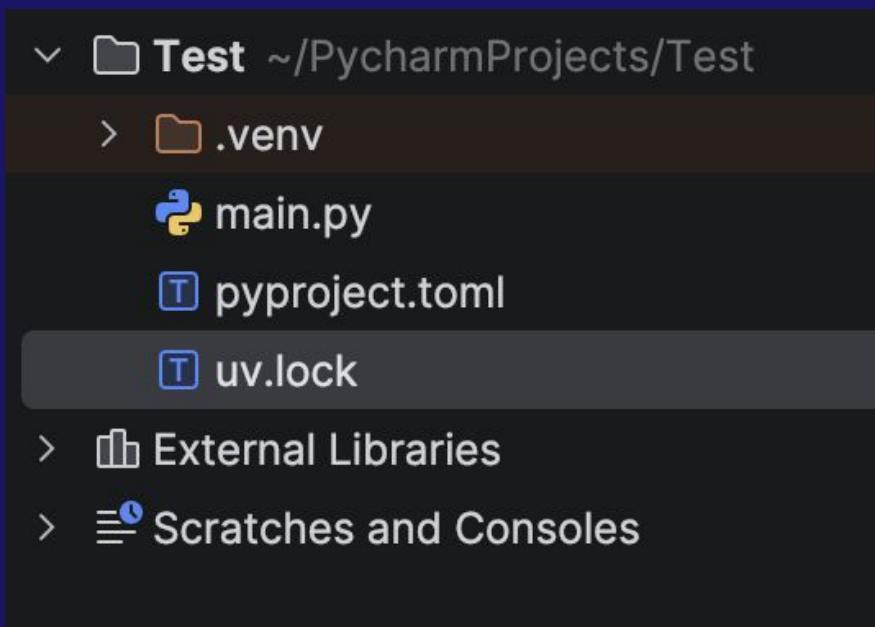
Python version: Default 

Path to uv: /opt/homebrew/bin/uv  

uv environment will be created in the project root: /Users/kristofferjohansson/PycharmProjects/PythonProject/.venv

Make sure you have 'uv' installed on your device

Generate uv.lock (Commands)



That's all, you're now done!

I have no .toml
or
uv.lock



Generate .toml & .lock (Commands)



```
$ uv init  
$ uv sync
```

That's all, you're now done!

Download Project



Download (Project)

Download project:

<https://github.com/Krillinator/data-platform-lektion-3-fastapi-postgreSQL>



data-platform-lektion-3-fastapi-postgreSQL

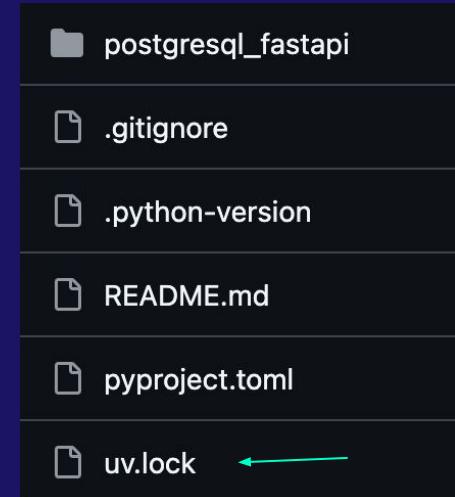
Public

Download (Problem)

Problem:

We will be missing `.venv` file and no dependencies...

If you see a `uv.lock` → You are in luck!



Create .venv & Activate (Commands)

```
$ python3 -m venv .venv
$ source .venv/bin/activate
$ uv sync
```

That's all, you're now done!

`__init__.py`

What is it?

`__init__.py`

(What is it?)



I don't know the
difference between a
folder and a package

Imports are very hard

```
demo/
└── main.py
    └── schema/
        └── product.py
```

```
from schema.product import Product

p = Product()
p.hello()
```

utan __init__.py kan leda till:

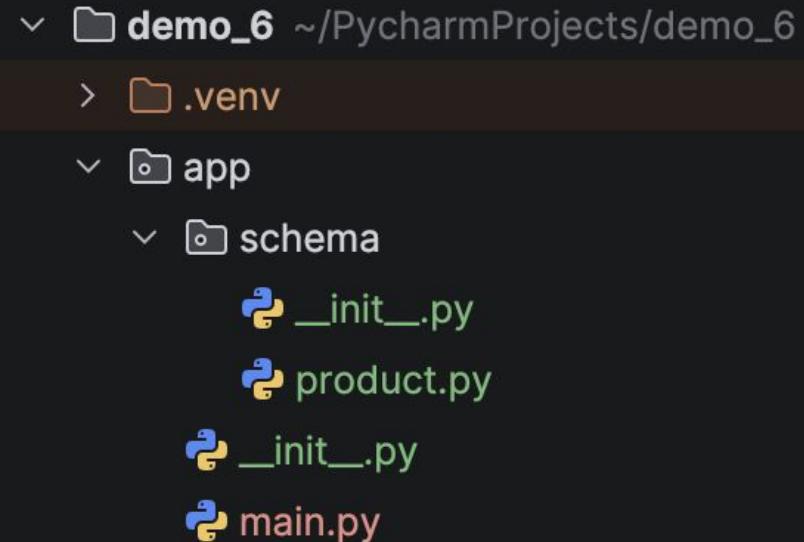
```
ModuleNotFoundError: No module named 'schema'
```

Best Practice

(app package)

```
└── demo_6 ~/PycharmProjects/demo_6
    ├── .venv
    └── app
        ├── schema
        │   ├── __init__.py
        │   ├── product.py
        │   ├── __init__.py
        │   └── main.py
```

Best Practice (FastAPI Run Project)



A terminal window displays three colored dots (pink, yellow, green) at the top. Below them, the commands to run the project are shown:

```
$ cd app
$ fastapi dev main.py
```

ALTERNATIVE (FastApi Run Project ‘uvicorn’)

```
$ uv run uvicorn main:app --reload  
# Ensures that packages are imported correctly  
  
$ fastapi dev main.py # quick / can crash
```

TODO
Gäller detta VS CODE