

Project Setup

Without **Docker**

- Open project in **Pycharm**
- Open **git bash** side-by-side and navigate to **project root**
- Keep using **git bash** for ever all the commands below (this is for linux-like feel and command execution)
- Create virtual environment under **project root** (If not there) and activate virtual environment

```
python -m virtualenv venv  
source venv/Scripts/activate
```

- **pip install -r requirements.dev.txt**
- Make sure your **sql server** is up and running
- Set environment variables using following commands

```
export MYSQL_DATABASE=starwarsdb  
export MYSQL_USER=root  
export MYSQL_ROOT_PASSWORD=python@007 # REPLACE with your password  
export MYSQL_HOST=127.0.0.1
```

```
# NOTE - If using `CMD` use following commands  
# (this is how we set environment variables in windows)  
#  
#  
# set MYSQL_DATABASE=starwarsdb  
# set MYSQL_USER=root  
# set MYSQL_ROOT_PASSWORD=python@007 # REPLACE with your password  
# set MYSQL_HOST=127.0.0.1
```

- `cd app` and `python manage.py runserver`
- If you see following message on your `git bash` terminal then....you are done.

```
project1-app-1 | Django version 4.1.5, using settings 'app.settings'  
project1-app-1 | Starting development server at http://0.0.0.0:8000/  
project1-app-1 | Quit the server with CONTROL-C.
```

- Have a **piece of cake** 🍰

How to verify your database credentials?

- Open mysql workbench and check following

`databases` → `manage connections` → `test connection`

- enter root password here and check if `DB connection is successful`

With **Docker**

- Open project in `Pycharm`
- Open `git bash` side-by-side and navigate to `project root`
- Keep using `git bash` for ever all the commands below (this is for linux-like feel and command execution)
- Run following commands one-by-one

```
docker-compose build  
docker-compose up
```

- If you see following message on your `git bash` terminal then....you are done.

```
project1-app-1 | Django version 4.1.5, using settings 'app.settings'  
project1-app-1 | Starting development server at http://0.0.0.0:8000/  
project1-app-1 | Quit the server with CONTROL-C.
```

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