

1. Flutter

Create a new flutter project

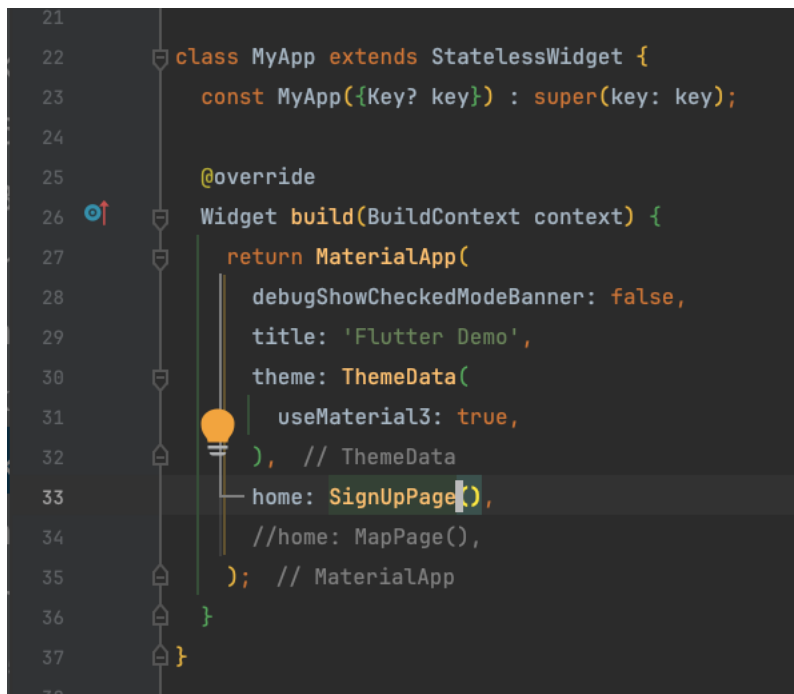
Copy/ paste the pubspec.yaml file

Click on pub get

In the lib folder copy all the pages necessary

- in the main.dart import

```
import 'signup.dart';
```



Set the entry point : line 33

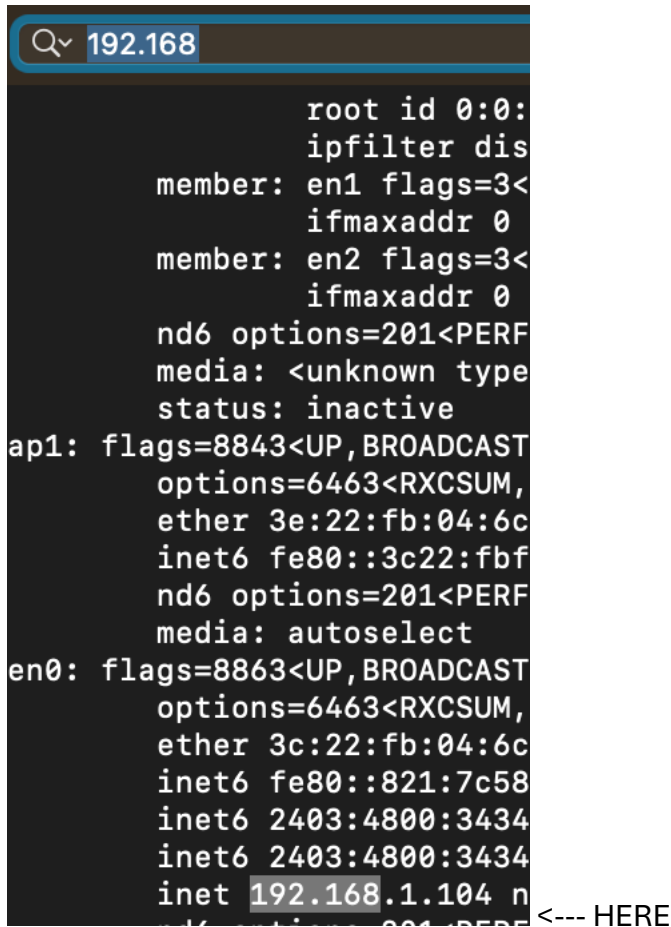
- In your machine's terminal get the address of network connection

In mac type : ifconfig

Cmd + f

Type 192.168 and press enter

Find the address that looks like that:



```
Q 192.168
root id 0:0:
ipfilter dis
member: en1 flags=3<
ifmaxaddr 0
member: en2 flags=3<
ifmaxaddr 0
nd6 options=201<PERF
media: <unknown type
status: inactive
ap1: flags=8843<UP,BROADCAST
options=6463<RXCSUM,
ether 3e:22:fb:04:6c
inet6 fe80::3c22:fbf
nd6 options=201<PERF
media: autoselect
en0: flags=8863<UP,BROADCAST
options=6463<RXCSUM,
ether 3c:22:fb:04:6c
inet6 fe80::821:7c58
inet6 2403:4800:3434
inet6 2403:4800:3434
inet 192.168.1.104 n <--- HERE
```

- Go to `signup.dart`

In line 26 change the code so that it includes that address. This is mine:



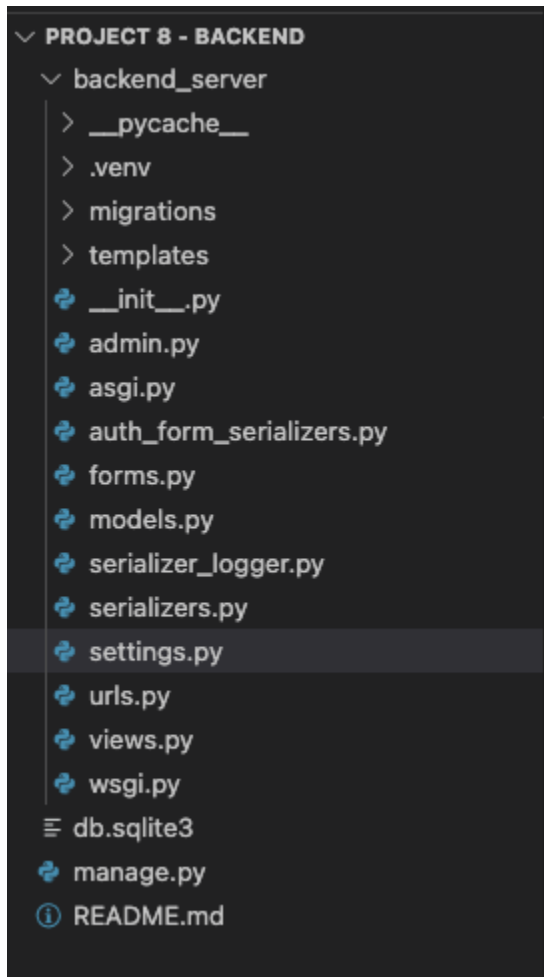
```
27
28   final apiUrl = 'http://192.168.1.104:8000/signup/';
29
```

- Go to VS CODE
- Provided you done the installation for Django open the backend project
- Open a terminal in VS CODE
- Go to `settings.py`

Add: 'localhost' , the network address you got from ifconfig earlier, dont need to put the last one. Save project

```
28 # settings.py
29 # so that flutter and django can connect on my machine over network
30 ALLOWED_HOSTS = ['192.168.1.104', 'localhost', '127.0.0.1']
31
```

- Follow the below instructions to get the .venv file
- The hierarchy should be like that, with the .venv inside the project folder:



1. Create Virtual Environment:

If there's already a virtual environment (`venv`) present in your backend folder, delete it. Then, create a new virtual environment using the following command:

Copy code

```
python3 -m venv .venv
```

2. Activate Virtual Environment:

- On Windows CMD:

Copy code

```
.venv\Scripts\activate
```

- On Unix or MacOS:

bash

Copy code

```
source .venv/bin/activate
```

3. Install Necessary Packages:

After activating the virtual environment, install the necessary packages:

Copy code

```
pip install Django djangorestframework
```

4. Navigate to Project Directory:

Change the directory to your project folder. In your case, it seems to be "Project 8 - Backend".

5. Run Django Server:

Finally, execute the following command to run the Django development server:

Copy code

```
python manage.py runserver
```

By following these steps, your Django project should be up and running locally. Make sure to have your virtual environment activated before installing packages and running the server to ensure the dependencies are installed in the correct environment.

When running the last command, change directory `cd ..` to one up, so that when you type `ls` you see:

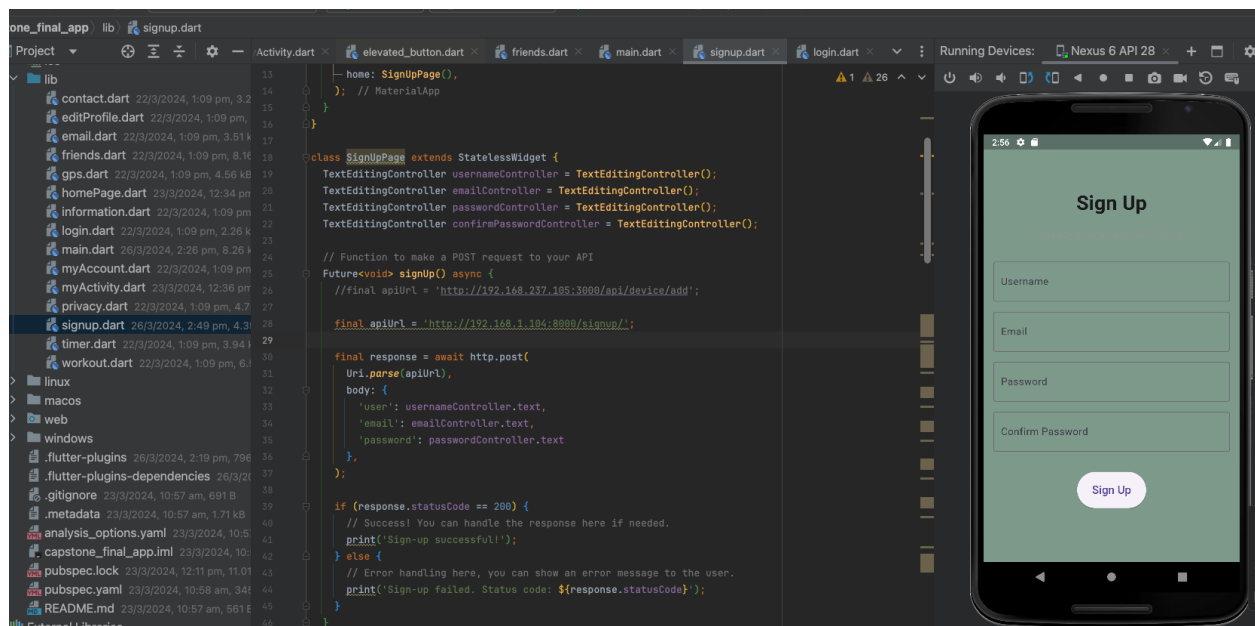
```
● aleksandrabartosiak@Aleksandras-MacBook-Air Project 8 - Backend % ls
  README.md      backend_server  db.sqlite3     manage.py
⊗ aleksandrabartosiak@Aleksandras-MacBook-Air Project 8 - Backend % source <venv>/bin/activate
```

If `python manage.py runserver` issues problems, then run with :

`python manage.py runserver 0.0.0.0:8000`

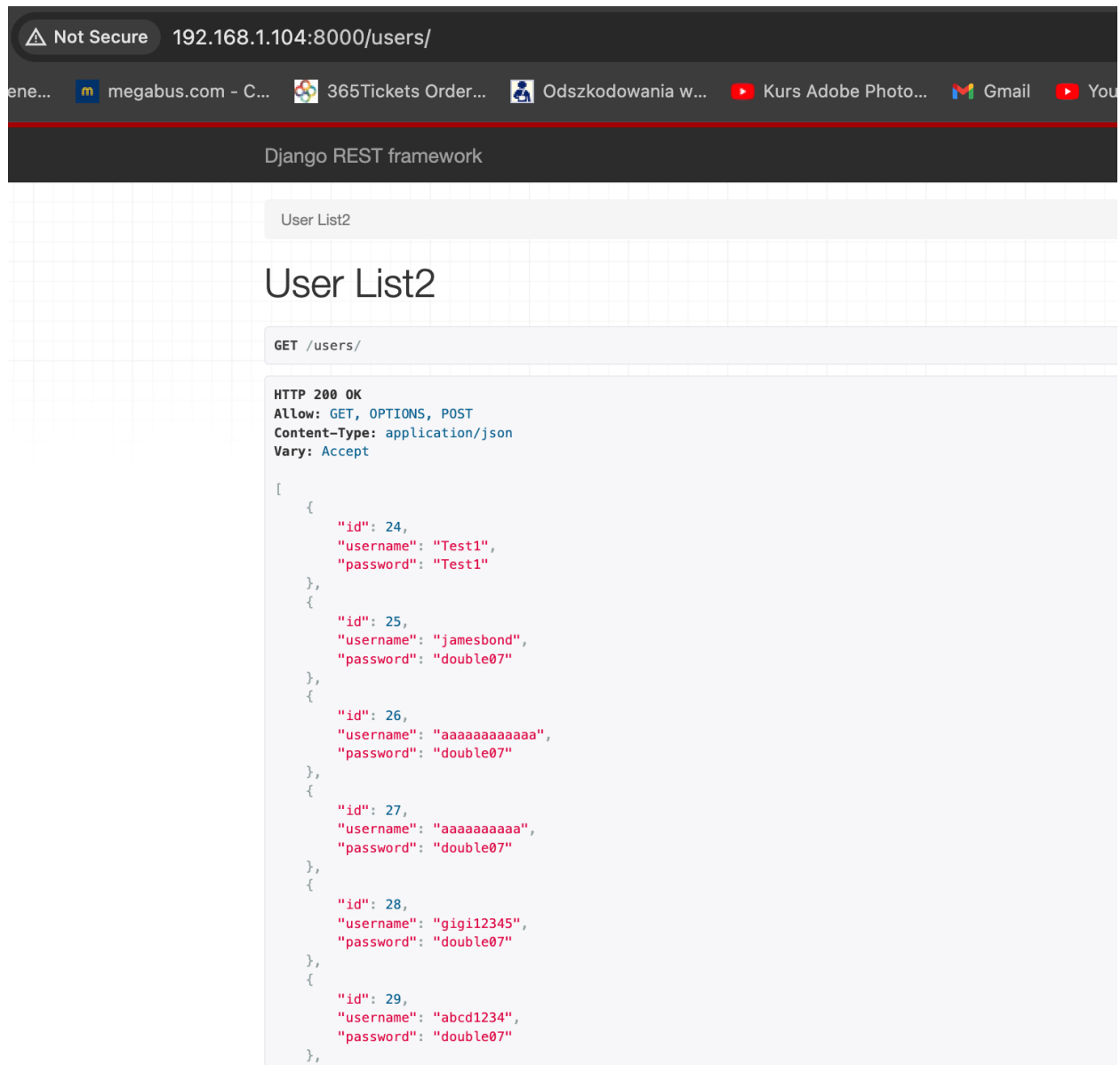
Why? When running the Django development server, make sure you bind it to '0.0.0.0' so it listens on all available network interfaces rather than just localhost. This allows external devices to connect to the server.

- Once backend running go to flutter, run a device then run the project. You will see a signup page:



Put in some details and press sign up.

- Open a browser
- Type : <http://192.168.1.104:8000/users/> your address will be different 192.168.



You should see the details you just put in the flutter signup page. You can also type:

<http://127.0.0.1:8000/users/> to see same view. Your address take from VS code terminal when backend is running:

```
README.md backend_server db.sqlite3 manage.py
(.venv) aleksandrabartosiak@Aleksandras-MacBook-Air Project 8 - Backend % python manage.py runserver

Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
March 26, 2024 - 03:22:57
Django version 4.2.11, using settings 'backend_server.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CONTROL-C.
```

See the one before last line.