**Instructions to start the project**

All these processes are done through command prompt, to start all the processes, 3 command prompt needs to be open, (1) to start the database, (2) to start Django backend and (3) to start React frontend.

# **Step 1: Start mysql database**

From command prompt go to your mysql bin folder:

mysqld –console

# **Step 2: Start the backend**

Before starting the project, ensure that the required packages are installed. Instructions are all from the project folder, *fypproject*.

## **TO INSTALL BACKEND**

1. **Activate the environment first:**

**(to deactivate env, just type deactivate on any folder the cmd is at)**

For Windows:

cd backend\env\Scripts

activate

For Mac OS:

cd backend

source env/bin/activate

1. **Install packages:**

**(the requirements.txt is in the env folder in backend folder)**

cd backend\env

pip install -r requirements.txt

1. **In the event that you face an issue with mysqlclient, also run:**

env LDFLAGS="-I/usr/local/opt/openssl/include -L/usr/local/opt/openssl/lib" pip install mysqlclient

**(4a) If you’d like to get mock data in your database before you begin:**

Go into the ‘mock-data’ folder, download the .sql and import it into your mysql database.

**(4b) Alternatively, you can create your own data by:**

Entering localhost:8000/admin

Login with *tester001* and *1234*

## **TO START BACKEND**

**Start backend:**

1. **Activate the environment**
2. **cd into *fyp\_dip\_ms***
3. **Run *manage.py* according to your system**

For Windows:

cd backend\env\Scripts

activate

cd ../..

cd fyp\_dip\_ms

manage.py runserver

For Mac OS:

cd backend

source env/bin/activate

cd fyp\_dip\_ms

python manage.py runserver

# **Step 3: Start the frontend**

Before starting the project, ensure that the required packages are installed. Instructions are all from the project folder, fypproject.

## **TO INSTALL FRONTEND**

**Please ensure that you have *npm* in your system by** [**downloading Node.js**](https://nodejs.org/en/download/)**.**

**Once installed, please add 2 extra hidden files in the frontend root folder, and add the content as follows:**

1. **.babelrc**

{

"plugins": [

["@babel/plugin-proposal-decorators", { "legacy": true }],

["@babel/plugin-proposal-class-properties", { "loose": true }]

]

}

1. **.env.development**

GENERATE\_SOURCEMAP=false

**Install packages:**

cd frontend

npm install

## **TO START FRONTEND**

**Start frontend:**

cd frontend

npm start

Therefore, to sum it up, if you’re a **first time user** and hasn’t installed our project prior, please follow the steps as follows:

1. Start your MySQL database
2. Install the backend
3. Install the frontend

If you have installed everything and will be running the project multiple times onwards, please follow the steps as follows:

1. Start your MySQL database
2. Start your backend environment
3. Start your frontend environment

If you’d like to view the API, access localhost:8000/api

If you’d like to adjust the database, access localhost:8000/admin with the username *tester001* and password *1234*