**Backend/Instructions in running Django server.**

1.Download/install latest version of python

* https://www.python.org/downloads/

2. Install pip

* <https://pip.pypa.io/en/stable/installing/>

3. Install virtualenv

* <https://pypi.org/project/virtualenv/>

4. Download the zip file project from the github repository

* <https://github.com/crbagbuya1983/PetShop>
* Open project folder from on your IDE (visual code preferably)

5. Using Visual Code

* Open new terminal and navigate to the project folder
* $ cd <project directory>
* Create a virtual environment named ‘test’, ‘test’ folder will be automatically created after running command below.
* $ virtualenv test
* Navigate to the ‘test’ folder and run command below to activate the virtual environment
* $ cd test
* $ source ./Scripts/activate
* Indication below shows ‘(test)’ once activate.

(test) cagbuya@CAGBUYA-LT MINGW64 ~/Desktop/testDev/PetShop $

* Navigate back to the project folder directory and run command below to start installing the dependencies of the Django project
* $ pip install -r requirements.txt
* Still in the project directory folder, run the following commands below to migrate database
* $ python manage.py makemigrations
* $ python manage.py migrate

Result:

Operations to perform:

Apply all migrations: admin, auth, contenttypes, sessions

Running migrations:

No migrations to apply.

* Create admin super user
* $ python manage.py createsuperuser
* For test purposes only we can enter the following entries
* Username: test
* Email address: (skip hit enter)
* Password: 12345
* Password (again): 12345
* This password is too short. It must contain at least 8 characters.
* This password is too common.
* This password is entirely numeric.
* Bypass password validation and create user anyway? [y/N]: y
* Superuser created successfully.
* Run server (Django server)
* $ python manage.py runserver

Result:

Watching for file changes with StatReloader

Performing system checks...

System check identified no issues (0 silenced).

June 10, 2021 - 12:54:42

Django version 3.1.7, using settings 'PetShop.settings'

Starting development server at http://127.0.0.1:8888/

Quit the server with CTRL-BREAK.

\*\*\* Use your default localhost for django\*\*\*

* Open chrome/internet browser and go to your localhost for the Django admin to access the database/models
* <http://127.0.0.1:8888/admin/>

**Frontend/React (frontend server)**

* Open a split terminal on visual studio and navigate to the ‘react\_frontend’ folder and run command below
* /react\_frontend $ npm -g install (installing global dependencies)
* /react\_frontend $ npm install package.json (installing development dependencies)
* /react\_frontend $ npm audit fix --force (only when necessary, if there are any issues installing dependencies)
* /react\_frontend $ npm start (run in development mode )
* /react\_frontend $ npm run dev (run webpack server)

Result:

> react\_frontend@1.0.0 dev

> webpack serve

i ｢wds｣: Project is running at http://localhost:8080/

i ｢wds｣: webpack output is served from /

i ｢wds｣: Content not from webpack is served from C:\Users\cagbuya\Desktop\testDev\PetShop\react\_frontend\public

‼ ｢wdm｣: asset bundle.js 3.92 MiB [emitted] [minimized] [big] (name: main)

orphan modules 402 KiB [orphan] 145 modules

runtime modules 1.25 KiB 6 modules

built modules 1.58 MiB [built]

modules by path ./node\_modules/ 1.48 MiB 72 modules

modules by path ./src/ 96.9 KiB

./src/index.js + 37 modules 96.3 KiB [built] [code generated]

./node\_modules/css-loader/dist/cjs.js!./src/css/searchFormDDL.css 681 bytes [built] [code generated]

* Open new browser
* Project is running at http://localhost:8080/