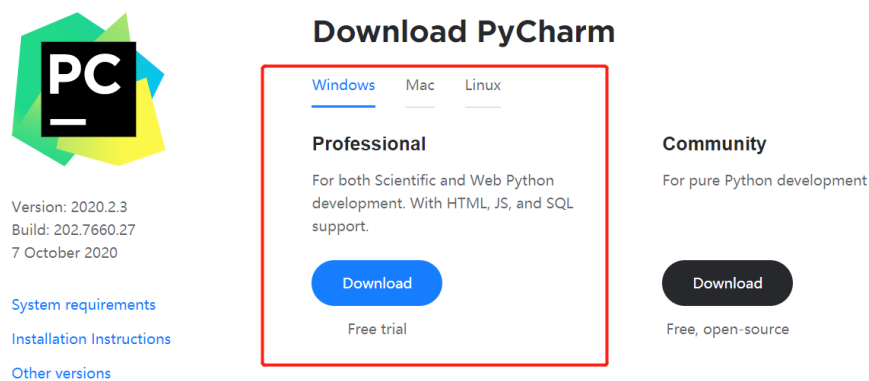

How to deploy!

1. We need to download the PyCharm Professional and install

it: <https://www.jetbrains.com/pycharm/download/#section=windows>

---Choose the Windows Mac Linux depend on your system.



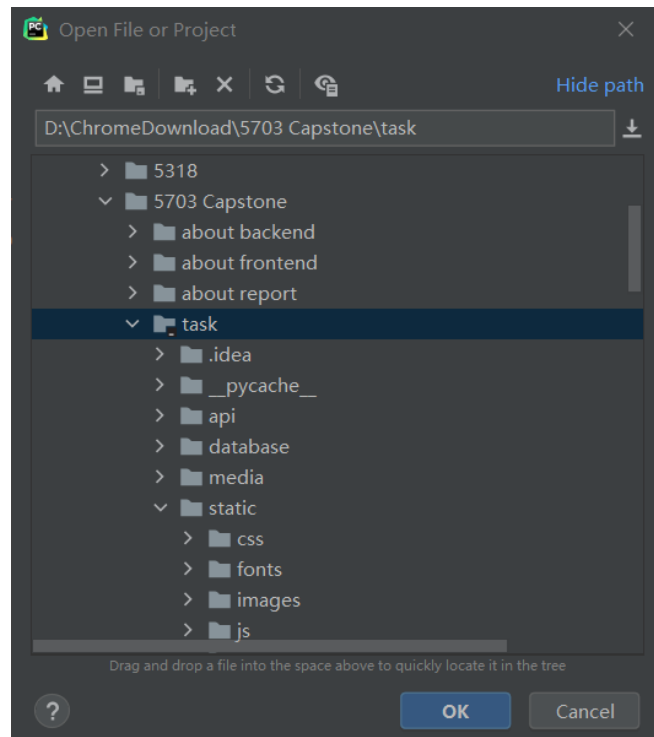
No special requirements, choose the next step to install the PyCharm

2. Download the project main document from Github:

<https://github.com/ayumijac/capstone.git>

And Extract capstone.zip into a folder.

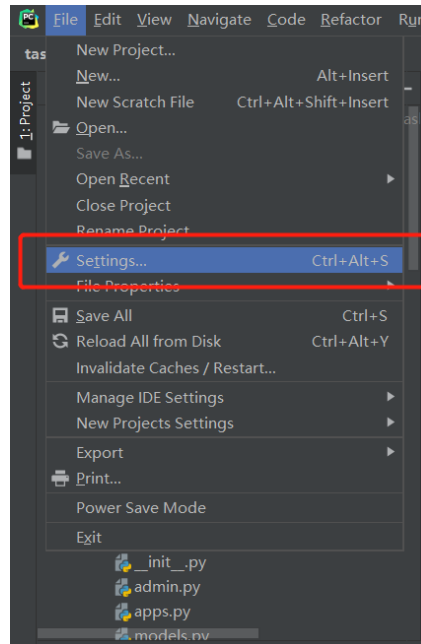
3. Open the PyCharm and open the folder just extracted:



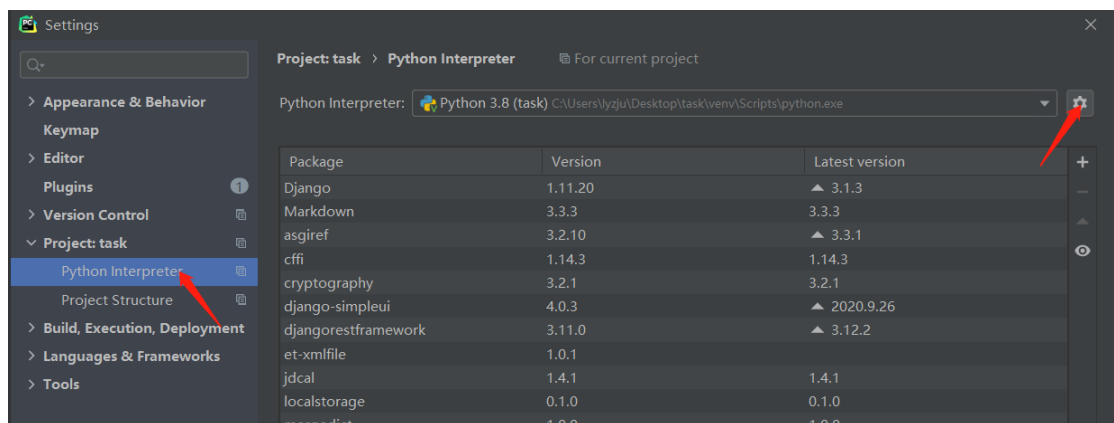
---The folder name could be anyone included 'task' in the figure.

4. Configure virtual environment, install python dependency package:

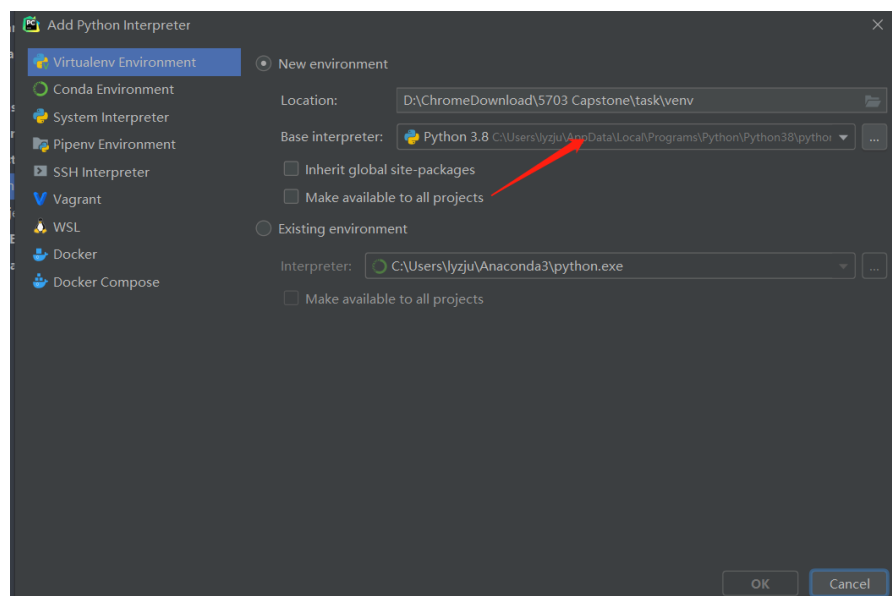
---File -> Settings



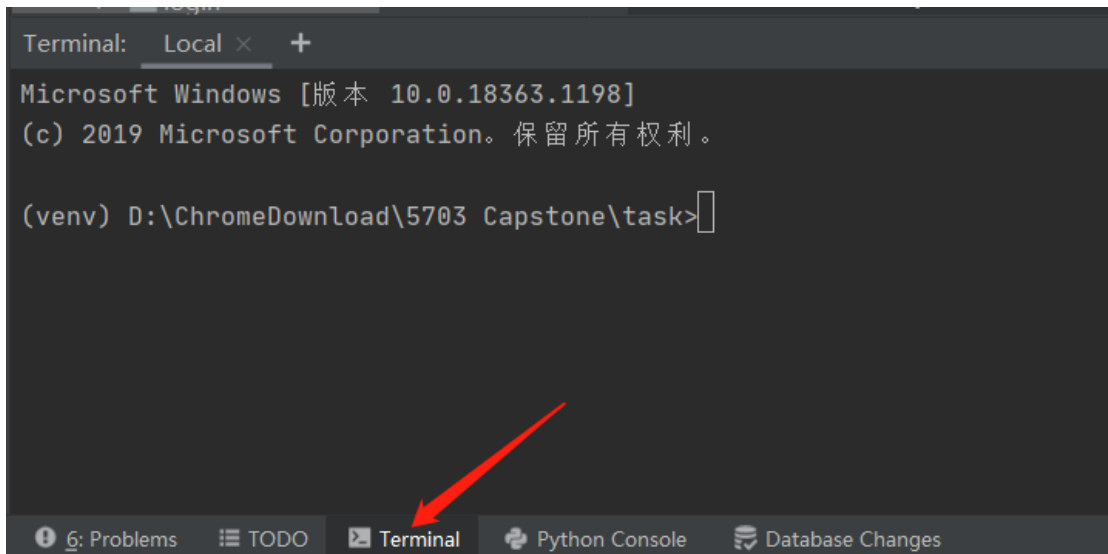
---Choose 'python Interpreter', and then click the "Settings" button on the right of the selection box, and then click "Add"



---Select the address of the python file in the 'base interpreter'. Then click 'ok'.



---After the virtual environment installed, open the Terminal.



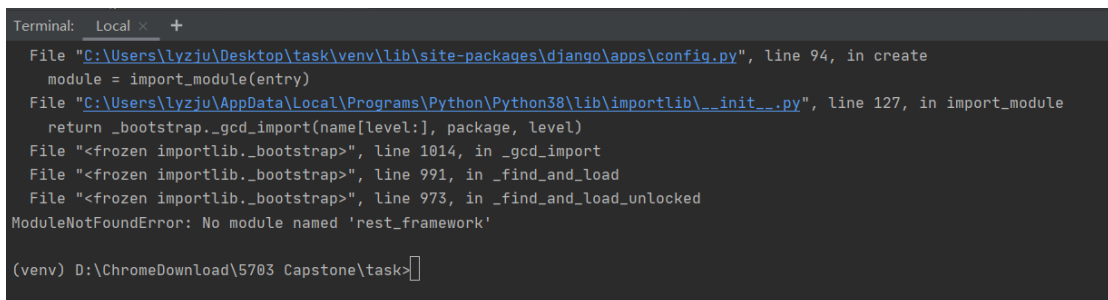
---The next step is to install various python packages. The following are the packages that must be installed. First install these packages in our virtual environment.

```
>pip install django==1.11.20 (must use this version)
>pip install djangorestframework==3.11.0 (restframework should be this version)
>pip install openpyxl
>pip install pandas
```

---After installing these packages, you can run

```
>python manage.py makemigrations
```

---If any module can not find like that :



---We should continue to add python packages, these listed packages maybe lost:

```
>pip install cryptography
>pip install pandas
>pip install xlwt
```

---You can install the newest released version of these python dependencies.

---If success, the original table will migrate successfully.

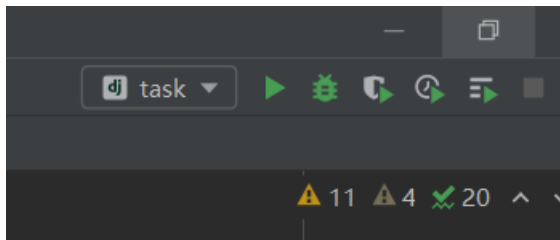
```
(venv) D:\ChromeDownload\5703 Capstone\task>python manage.py makemigrations
Migrations for 'database':
  database\migrations\0001_initial.py
    - Create model allocation_condition
    - Create model allocation_list
    - Create model group_preference
    - Create model project_infos
    - Create model student_group
    - Create model UserInfo
    - Create model vacancy_list
    - Add field group to allocation_list
    - Add field project to allocation_list

(venv) D:\ChromeDownload\5703 Capstone\task>
```

---then we run
>python manage.py migrate
To migrate these tables to the database.

5. OK you can run our webpage

---click the “run” button



---If there is no red reminder character in the running box, it means you can open our project in browser

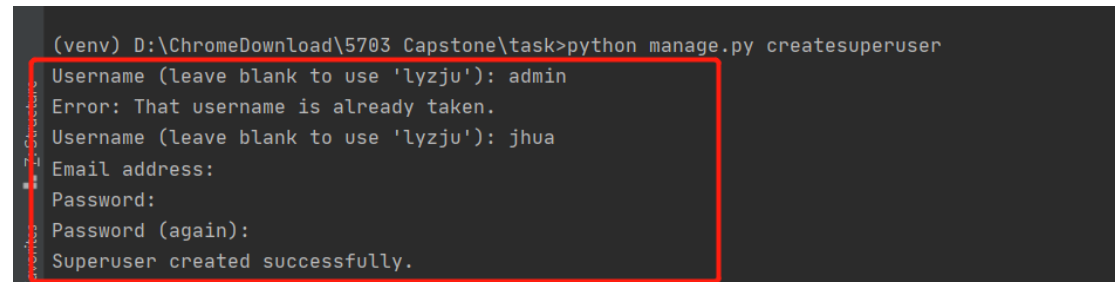
```
"C:\Program Files\JetBrains\PyCharm 2020.2.3\bin\runnerw64.exe
Performing system checks...

System check identified no issues (0 silenced).
November 22, 2020 - 23:06:02
Django version 1.11.20, using settings 'task.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

6. Create the superuser

---In the Terminal run the code like

>python manage.py createsuperuser



```
(venv) D:\ChromeDownload\5703 Capstone\task>python manage.py createsuperuser
Username (leave blank to use 'lyzju'): admin
Error: That username is already taken.
Username (leave blank to use 'lyzju'): jhua
Email address:
Password:
Password (again):
Superuser created successfully.
```

---The Email address can be ignored, and the password is hidden.

---The superuser can log into the admin backend system.