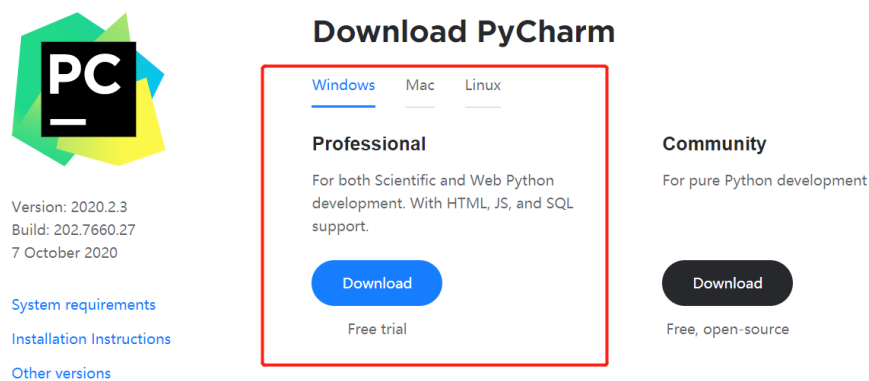

How to deploy!

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.



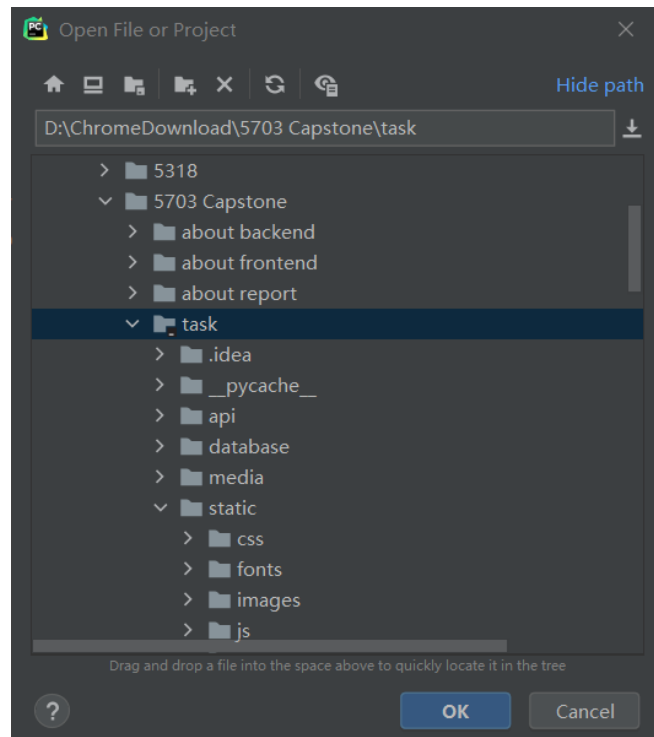
No special requirements, choose the next step to install the PyCharm

2. Download the project main document from Github:

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

And Extract capstone.zip into a folder.

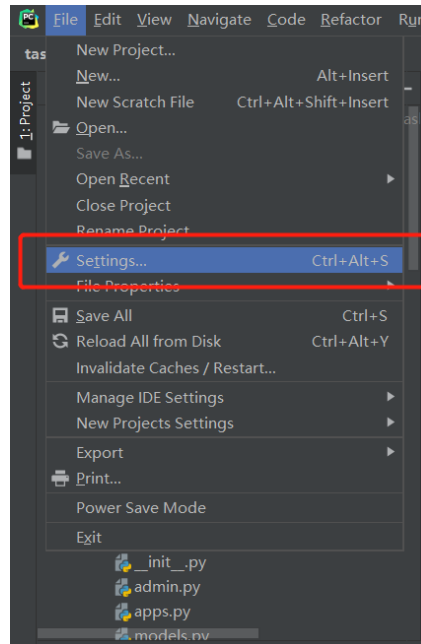
3. Open the PyCharm and open the folder just extracted:



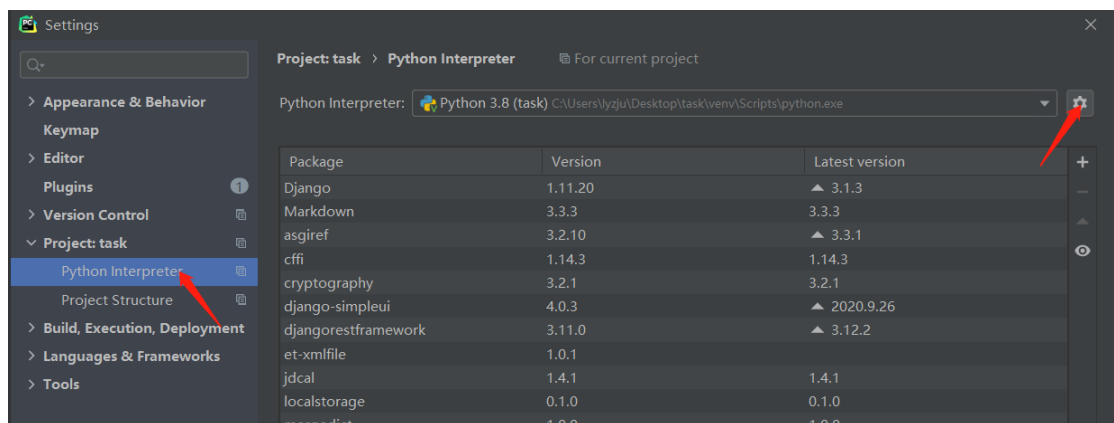
---The folder name could be anyone included 'task' in the figure.

4. Configure virtual environment, install python dependency package:

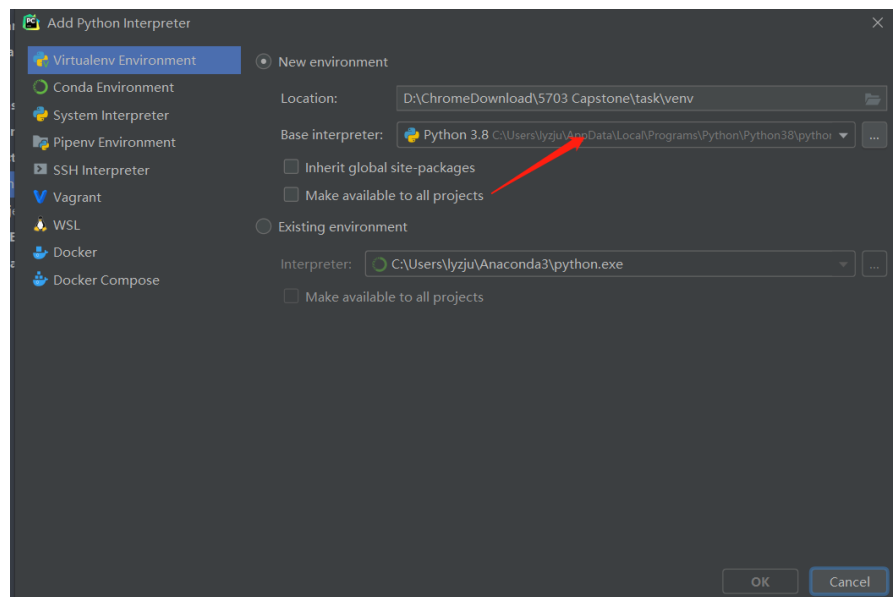
---File -> Settings



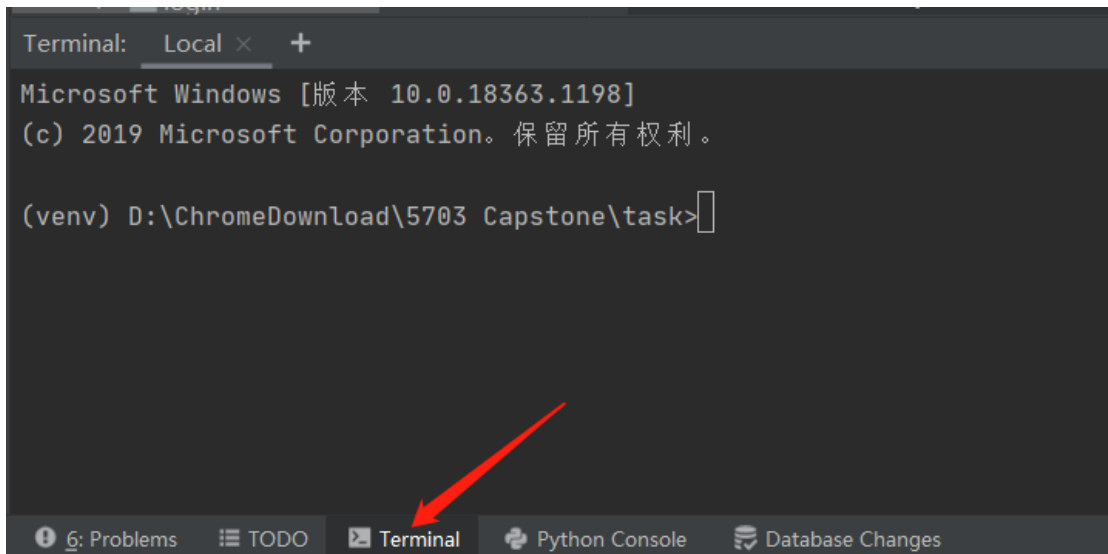
---Choose 'python Interpreter', and then click the "Settings" button on the right of the selection box, and then click "Add"



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



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



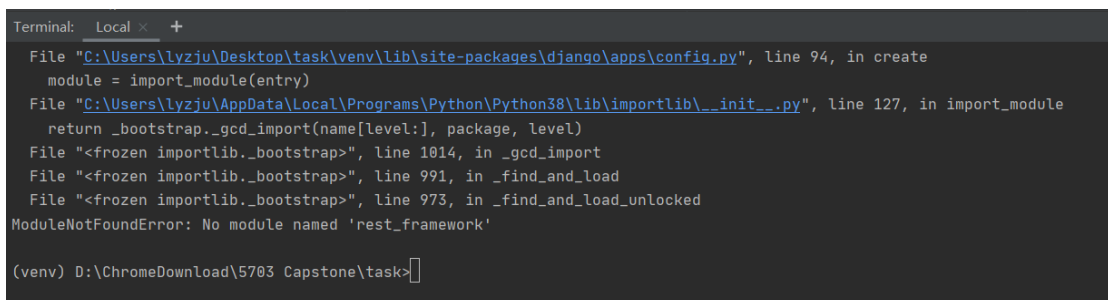
---The next step is to install various python packages. The following are the packages that must be installed. First install these packages in our virtual environment.

```
>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
>pip install django-simpleui==4.0.3
```

---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.

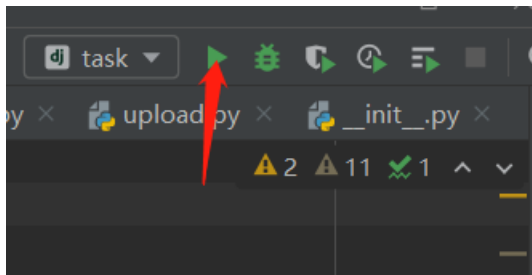
```
(venv) D:\ChromeDownload\5703 Capstone\task>python manage.py makemigrations
Migrations for 'database':
  database\migrations\0001_initial.py
    - Create model allocation_condition
    - Create model allocation_list
    - Create model group_preference
    - Create model project_infos
    - Create 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>
```

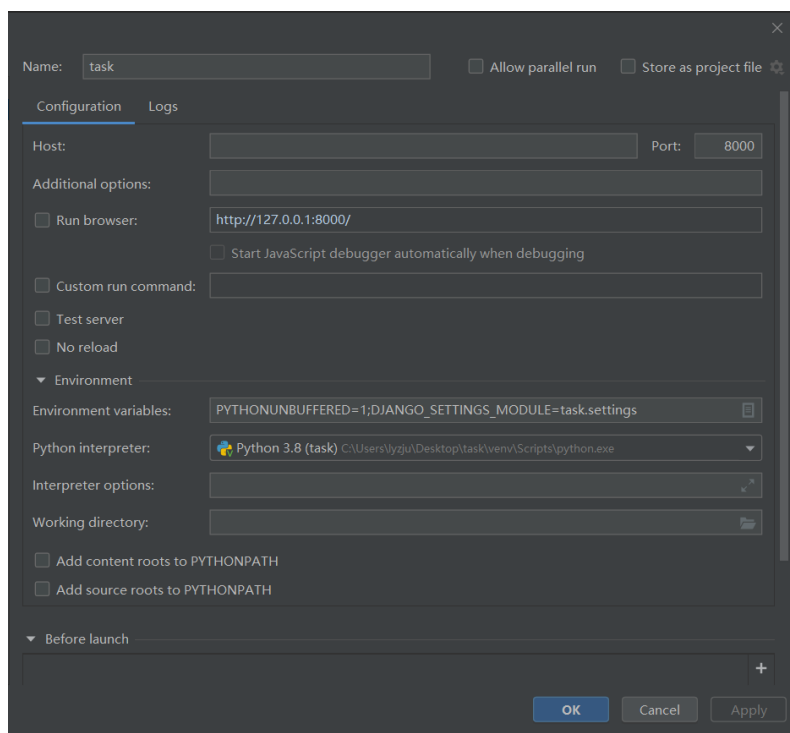
---then we run
>python manage.py migrate
To migrate these tables to the database.

5. OK you can run our webpage

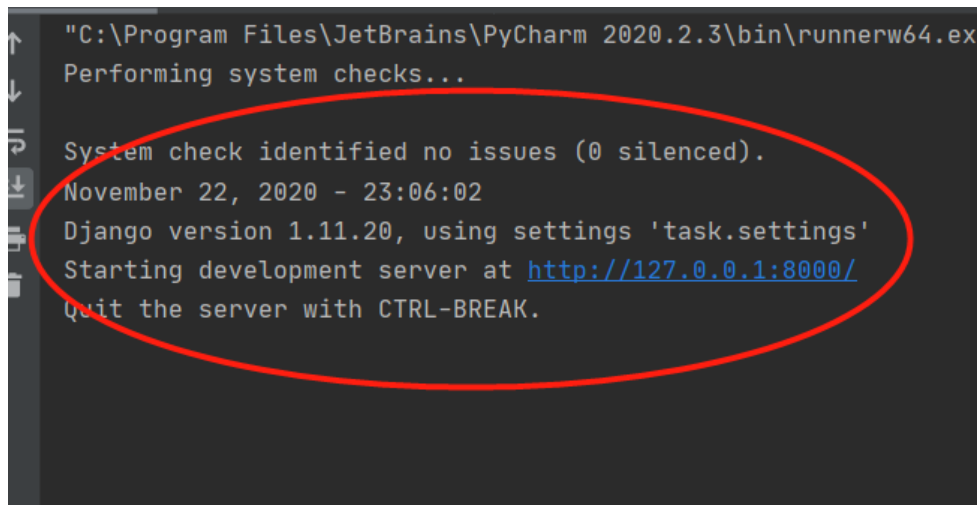
---click the “run” button



---Add the configurations



---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...

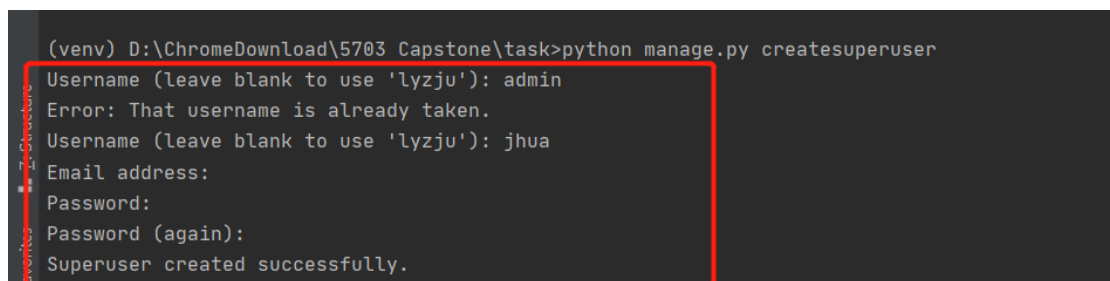
System check identified no issues (0 silenced).
November 22, 2020 - 23:06:02
Django version 1.11.20, using settings 'task.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

A screenshot of a PyCharm terminal window. The terminal output shows the execution of system checks, which passed without any issues. It then displays the date and time (November 22, 2020 - 23:06:02), the Django version (1.11.20), and the settings file ('task.settings'). The development server is started at http://127.0.0.1:8000/. A red oval is drawn around the last four lines of the terminal output.

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'): jhva
Email address:
Password:
Password (again):
Superuser created successfully.
```

A screenshot of a terminal window showing the execution of the 'python manage.py createsuperuser' command. The user enters 'admin' as the username, which results in an error because it is already taken. The user then enters 'jhva' as the username. The terminal prompts for the email address, password, and password again. The superuser is created successfully. A red rectangle is drawn around the input prompts and the successful creation message.

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

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