

User documentation

for MovieFans

Thank you for using this system.

The programs of this system are organized in the folder Product. Other than this document, there are three files in this folder:

1. Source codes
2. MovieFans(stores the exe file)
3. Posters

For windows users:

If you are using windows os, then you could directly use **MovieFans.exe in Product folder** without worrying about the installation process. Yet, Google Chrome is needed, the download website is: <https://www.google.cn/intl/zh-CN/chrome/>. If your computer has **automatic update**, then you might have to download different Chrome Driver versions constantly. Details see **Q&A**.

For Mac users:

If you are using mac os, then an installation of PyCharm is needed:

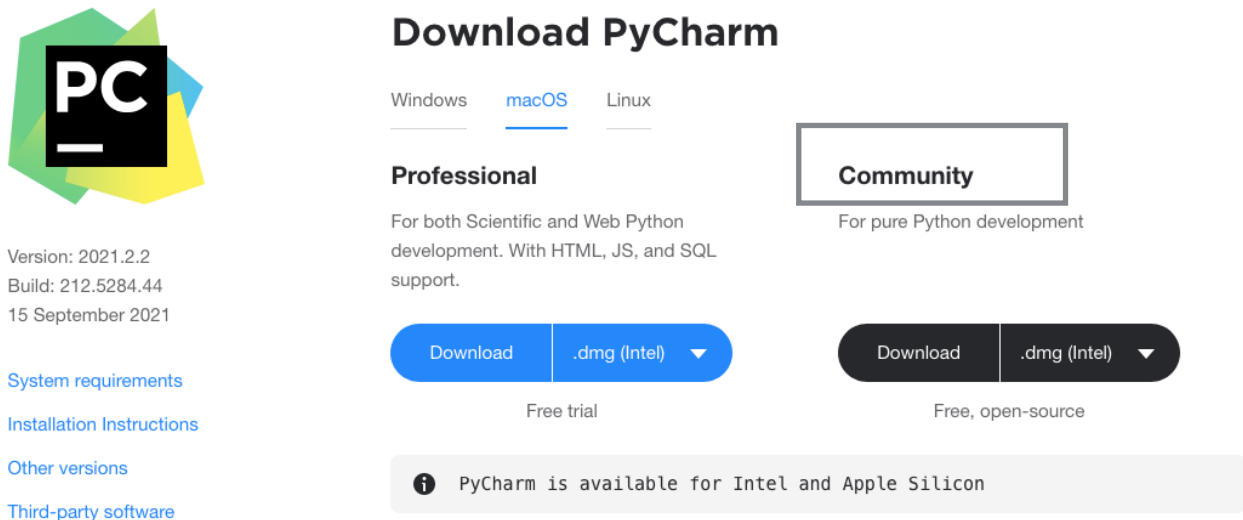
Installing PyCharm:

To operate the system, you also need to install PyCharm/IDLE on your computer. If you have not installed it, the following process could help you.(Here, I only list the procedures of downloading and installing PyCharm)

1. Please go to the official website to download PyCharm: jetbrains.com/pycharm/
2. After accessing to the website, you will see the following interface and need to click on the 'download' button.

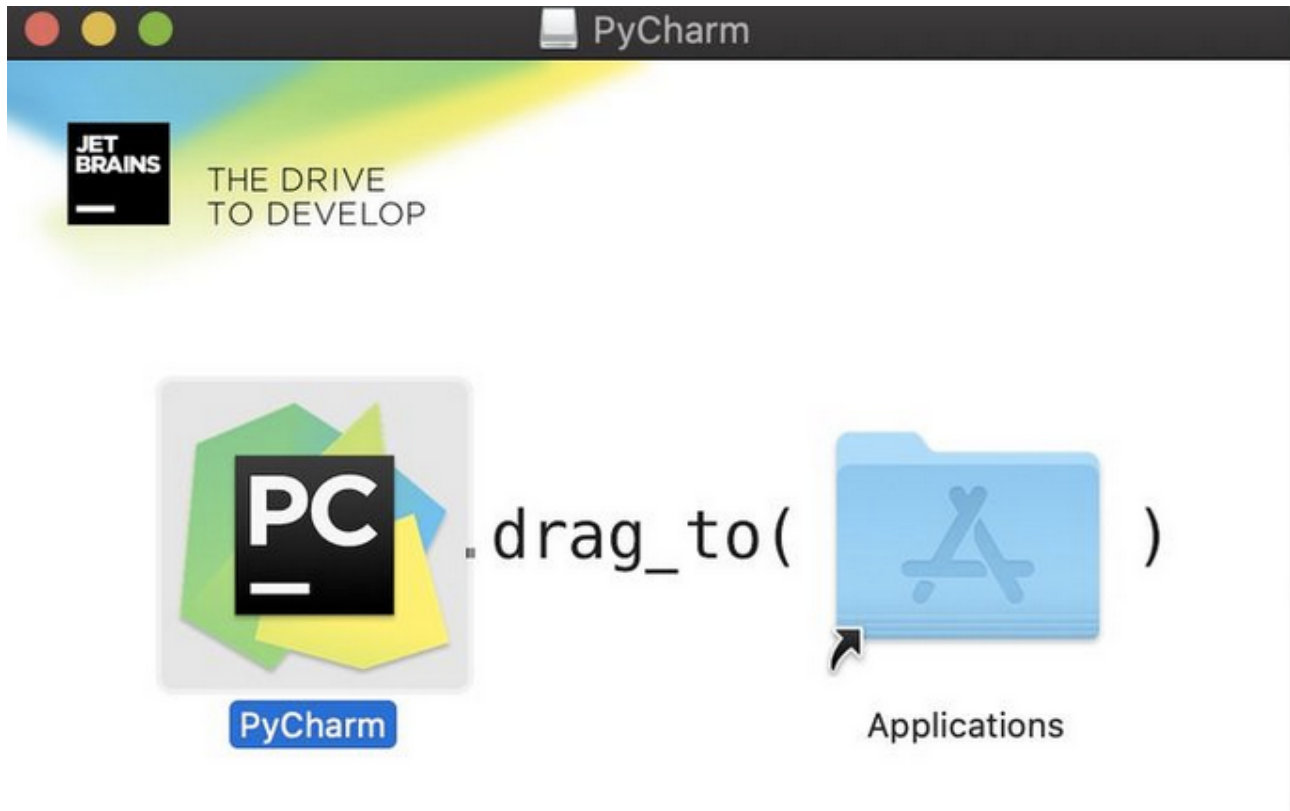


- After clicking on the 'download' button, you could choose the corresponding os of your computer(mac/windows). You also need to choose the version of the PyCharm. Usually, a community version is enough or at least enough to operate MovieFans.

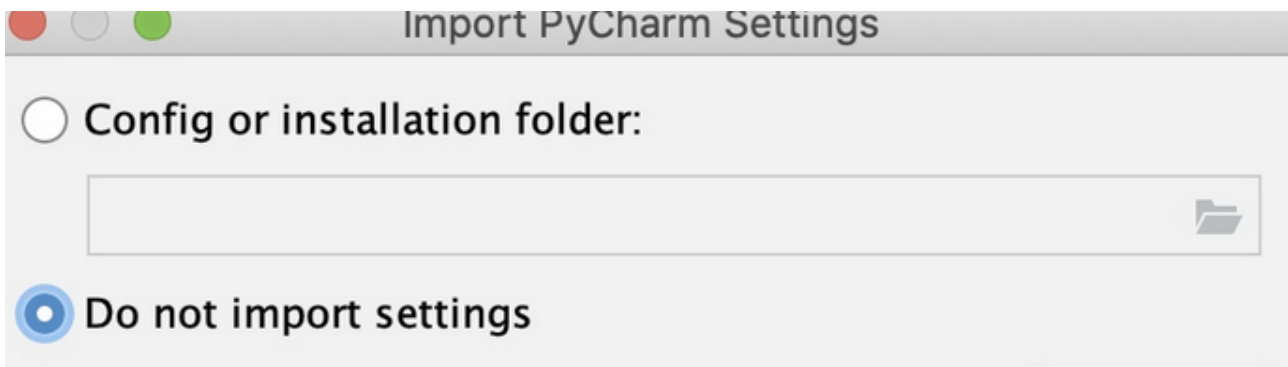


The screenshot shows the PyCharm download page for macOS. On the left, there's a PyCharm logo and version information: Version: 2021.2.2, Build: 212.5284.44, 15 September 2021. Below this are links for System requirements, Installation Instructions, Other versions, and Third-party software. The main section is titled 'Download PyCharm' and has tabs for Windows, macOS (selected), and Linux. Under the macOS tab, there are two options: 'Professional' (for both Scientific and Web Python development) and 'Community' (for pure Python development). The 'Community' option is highlighted with a box. Below each option are 'Download' and '.dmg (Intel)' buttons. The 'Professional' section is labeled 'Free trial' and the 'Community' section is labeled 'Free, open-source'. At the bottom, a note states 'PyCharm is available for Intel and Apple Silicon'.

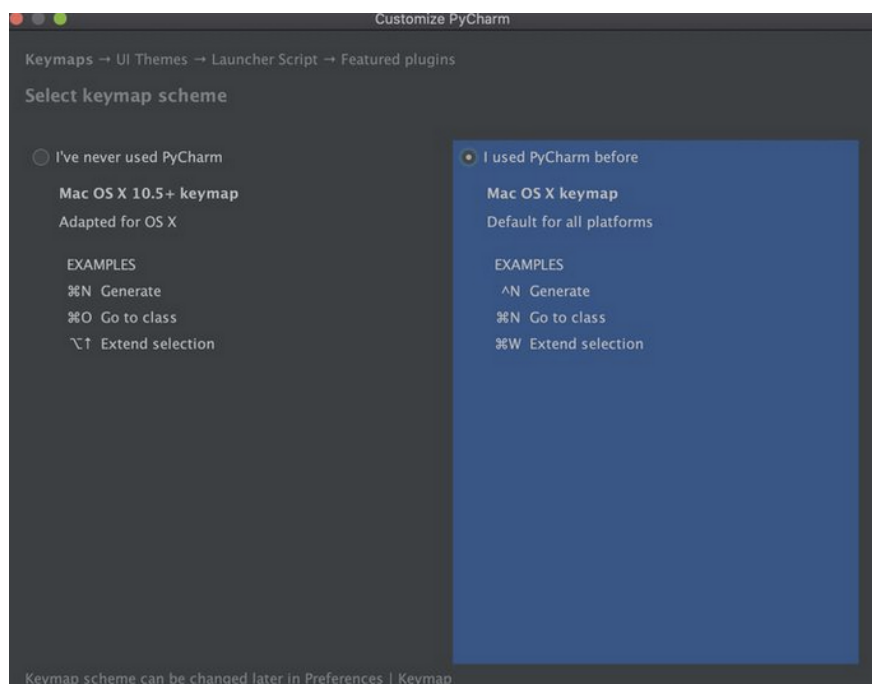
- When finishing the download process, you could drag PyCharm application into the **Applications folder** as any other installation of an application.



- Then, you need to import PyCharm settings. I could recommend to not import settings, but you could choose the first option.



6. Next, you could choose the module of using PyCharm based on personal experience, and the installation of PyCharm is finished.



After installing PyCharm, the following modules are required:

- webbrowser
- PyQt5
- numpy
- time
- sqlite3
- hashlib
- aip

You could install them by:

- Inputting "pip install" in your Terminal
- Opening py files in PyCharm, Putting cursor on the module that has not been installed, and Typing 'alt' + 'enter' to install

You could then go to the **py codes folder in Source codes folder in Product folder** and operate `main_code.py`. Besides, Google Chrome is also needed for this system, and the download website is <https://www.google.cn/intl/zh-CN/chrome/>

If you would like to browse the ui files, you could see them in **ui files folder in Source codes folder in Product folder**. Yet, **Qt Designer** is needed to operate **ui files**. The details are shown in **Appendix G in Appendices**.

Uploading posters:

The system MovieFans has an option of poster/photo input. You could test this function using the default posters in **Posters file**.



Poster 1



Poster 2

Q&A

You might face the following common questions/problems when using the system, and the answers/solutions might be helpful.

1. Why cannot my uploaded posters be recognized/why are the posters recognized wrongly?

1. Please check whether the text contents on the posters are clear. At this stage, the photo recognition function might not be that appropriate, so that the posters have to meet the following requirements:
 1. Clear word contents
 2. Texts are better to be horizontal
 3. Texts are better to be English/Chinese
 4. Texts are better to avoid to be cursive
2. API might be out of date: For more details, please check **Appendix F Help files in the Appendices document in Documentation folder**.

2. Why cannot I access to Douban Movie website?

1. Please follow the instructions on Douban Movie. Normally, the problem might be caused by the IP address. Then, you could change to another IP address(Wifi). For more details, please check **Appendix F Help files**.
2. **The system quits unusually when accessing to Douban Movie website?**
 1. Check the path of the Chrome Driver in your computer, it should be stored in `C:\Program Files\Google\Chrome\Application\chromedriver.exe`. If not, please store your Chrome Driver in the correct path, or **change corresponding code**. Details see **Appendix F Help files**.

2. Check the version of your Chrome and Chrome driver. If they are not consistent, please update your Chrome or Driver. More details in **Appendix F Help files**.(* **Reminder:** If you are **windows user** and set **automatic update** of your computer, then you might need to constantly download the latest version of Chrome Driver)