Maintenance Documentation

Maintenance Documentation

1. Introduction
2. Installation instructions, Environment requirements & Activate account
    - 2.1 Installation list
    - 2.2 Instruction for developer & maintainer
        - 2.2.1 Mac user
        - 2.2.2 Windows user
    - 2.3 Instruction for applet user
        - 2.3.1 Prerequisite: WeChat installation (skip to 1.2.2 if already installed)
        - 2.3.2 Search for the applet
        - 2.3.3 Start the journey with "Intelli Home"
    - 2.4 Instruction for tester
3. User manual
4. Quality assurance

1. Introduction

Here is the maintenance documentation for the WeChat applet "**Intelli-Home**" developed by Team 202101.

You could find the following information in this documentation:

- **Installation instructions** with **Environment requirements**
- Links to the detailed **user manual**
- Quality assurance

For more detailed information please refer to our GitLab page and website

If you have any suggestions or find problems with the current applet, it is welcome to contact us:

- WeChat: HZX2001227
- Email: scyzh6@nottingham.edu.cn

2. Installation instructions, Environment requirements & Activate account

2.1 Installation list

- Recommended IDE: WeChat development tool
- Basic component: WeChat

2.2 Instruction for developer & maintainer

To maintain this applet as a maintainer, it is suggested to install the WeChat development tools.

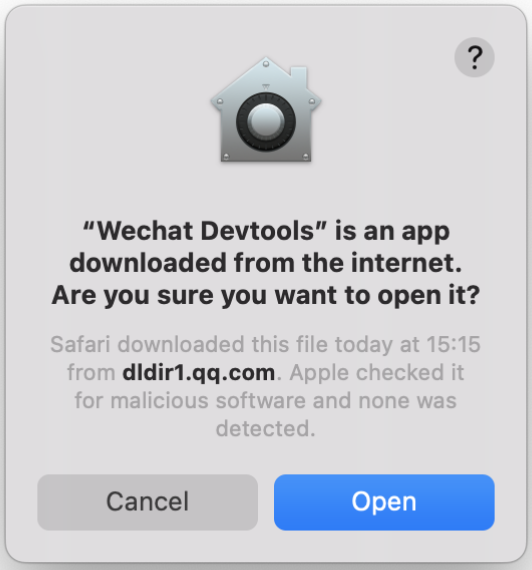
2.2.1 Mac user

Operating system requirements: **macOS 10.9+**

Click the links below to install the stable version of WeChat development tools:

- macOS
- macOS(ARM64)

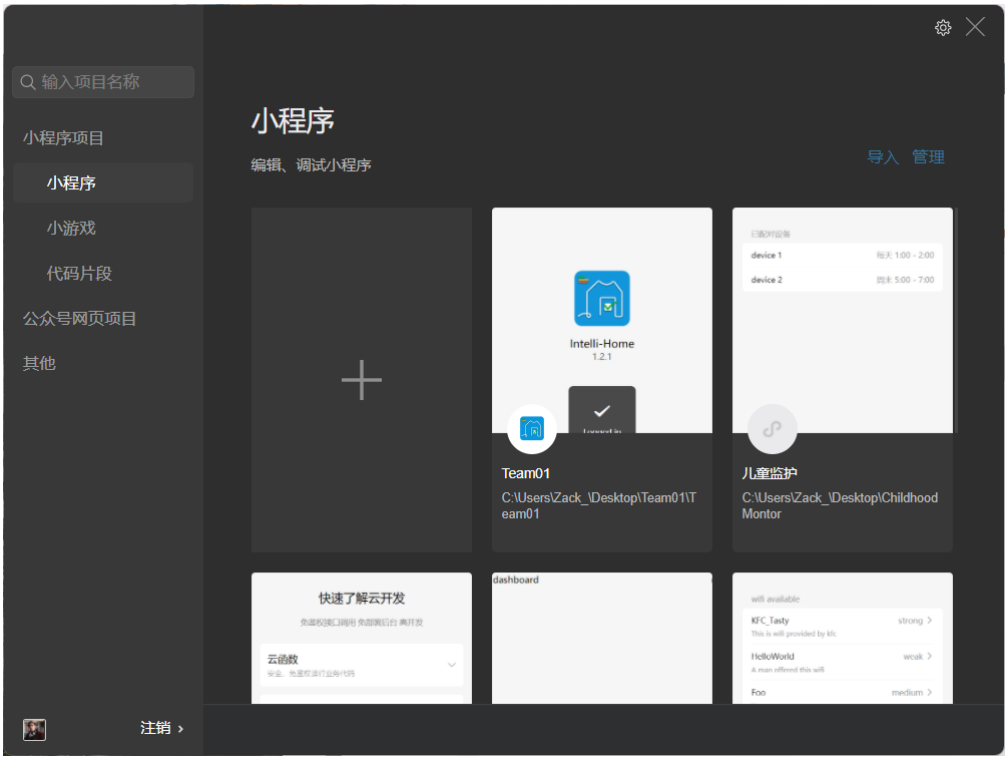
After downloading the files, click "**Open**"



Then drag the "**WeChat Devtools**" to "Applications"

Then you may need to use your WeChat account to scan and login

Click the "+", and select another file that was uploaded.



Cheers, you could start coding with WeChat development tools now~

However, if you want to view/modify our project on this tool, you have one more step to do. Because only the developer of this applet has the right to view, modify, and even run this piece of code (rules made by WeChat). ***So it is strongly recommended you add the maintenance leader Zack's WeChat "HZX2001227"***, and he would set your account as the developer account immediately. Then, everything should work fine, and you could play around with our applet~

(If your account is not activated as a manager account, you probably can't even run it, I'm sorry about that, but that is the case)

For more detailed WeChat development tools installation instructions please refer to the official website

2.2.2 Windows user

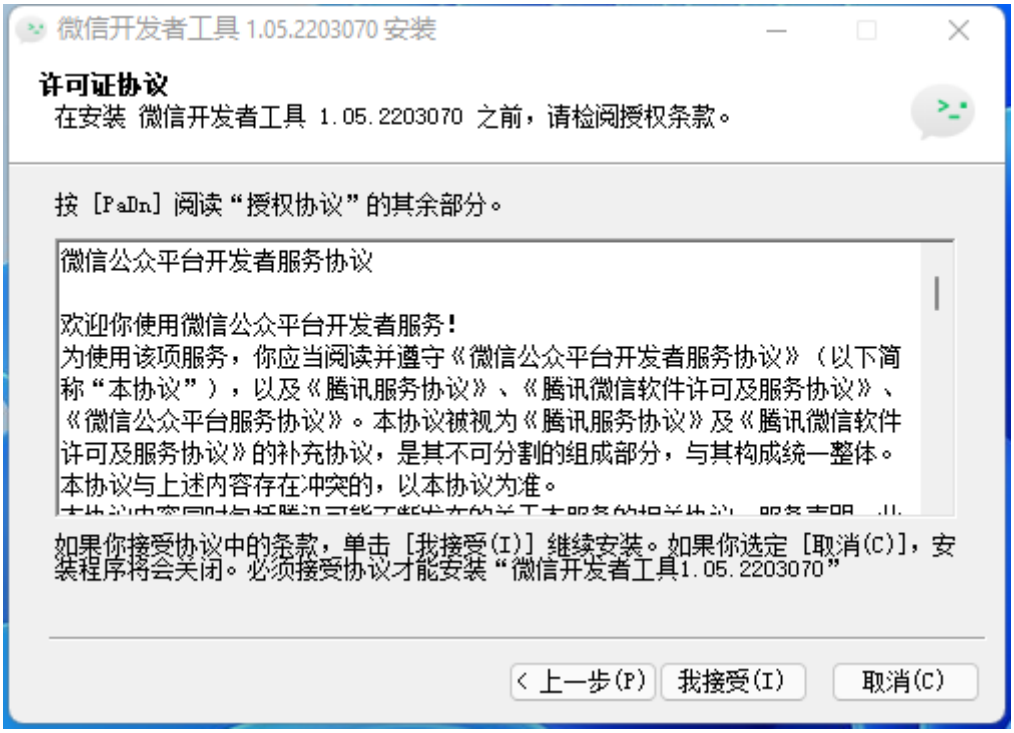
Operating system requirements: **Windows 7 or above**

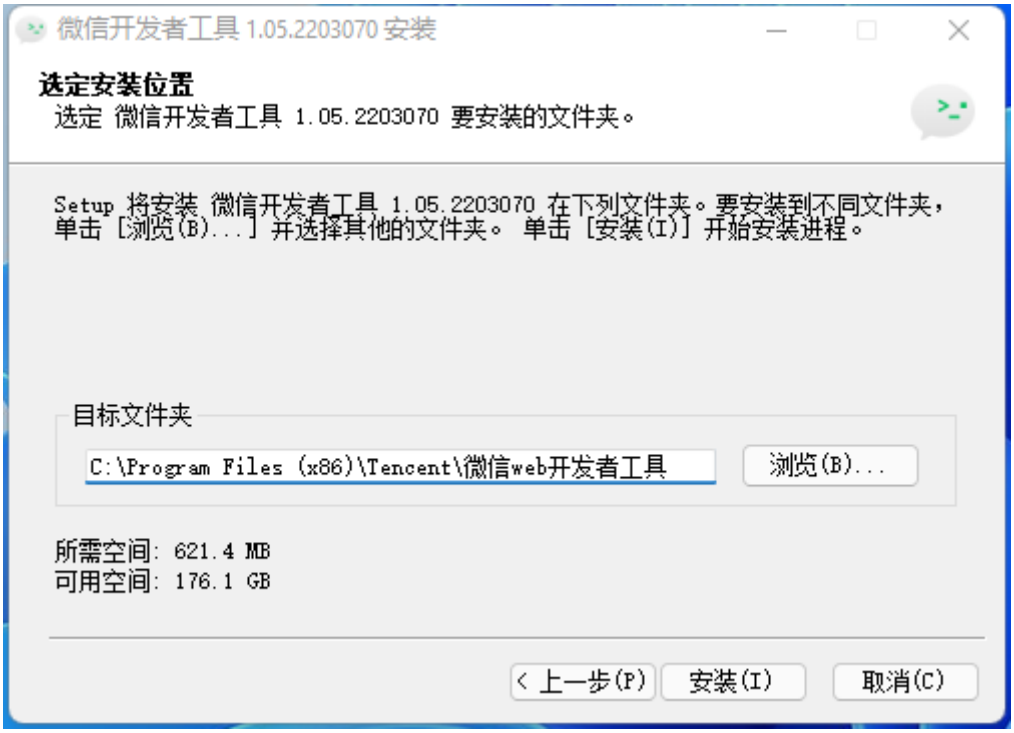
Click the links below to install the stable version of WeChat development tools:

- Windows 64
- Windows 32

After downloading the .exe file, click it to start the installation process.

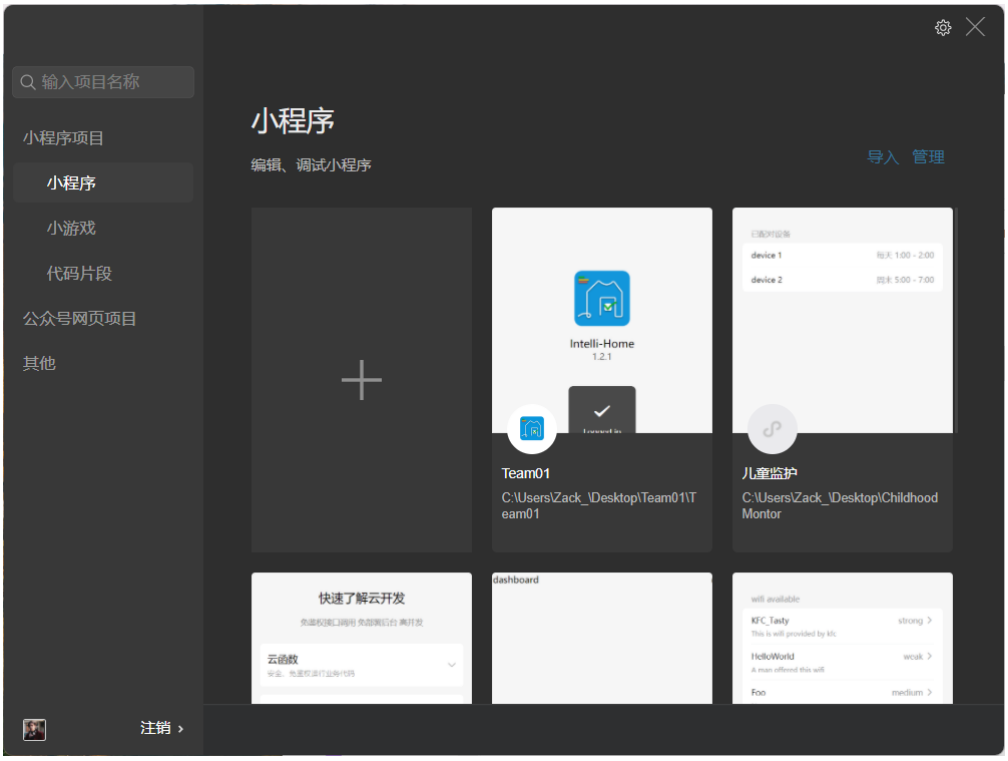
Then click "**Next step**", "I Allow" and choose the location of installation, finally click "**Install**".





Then you may need to use your WeChat account to scan and login.

Click the "+", and select another file that was uploaded.



Cheers, you could start coding with WeChat development tools now~

However, if you want to view/modify our project on this tool, you have one more step to do. Because only the developer of this applet has the right to view, modify, and even run this piece of code (rules made by WeChat). ***So it is strongly recommended you add the maintenance leader Zack's WeChat "HZX2001227"***, and he would set your account as the developer account immediately. Then, everything should work fine, and you could play around with our applet~

(If your account is not activated as a manager account, you probably can't even run it, I'm sorry about that, but that is the case)

For more detailed WeChat development tools installation instructions please refer to the WeChat official website

2.3 Instruction for applet user

2.3.1 Prerequisite: WeChat installation (skip to 1.2.2 if already installed)

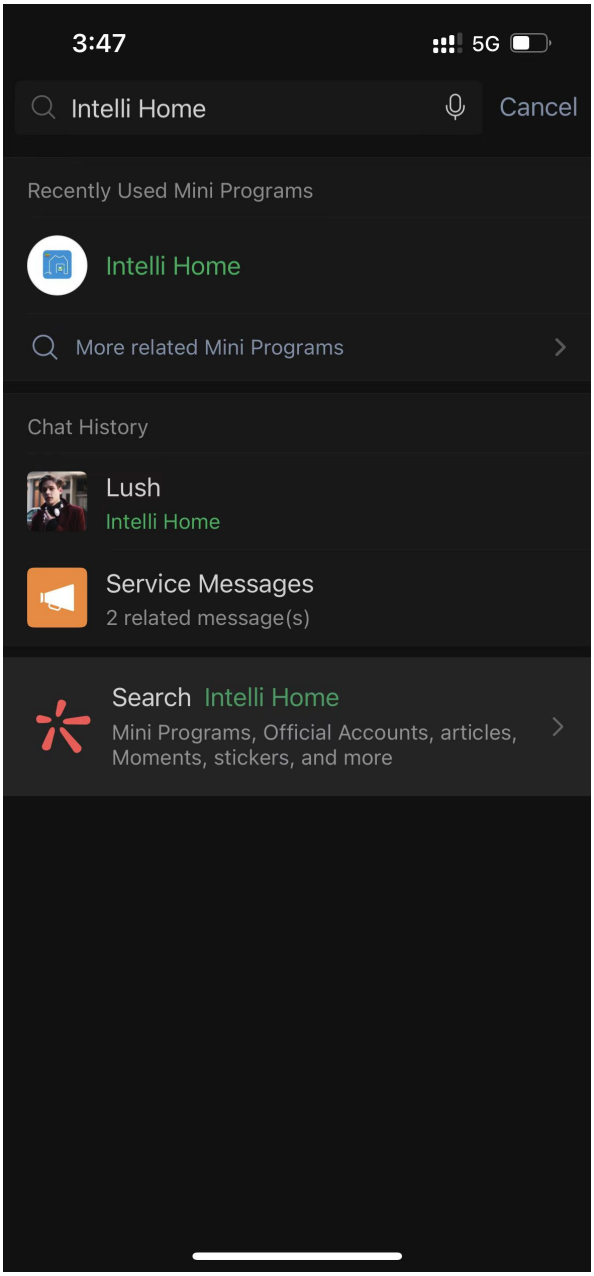
For iOS users, download the latest version of WeChat from the "App store".

For Android users, download the latest version of WeChat from your trusted app store.

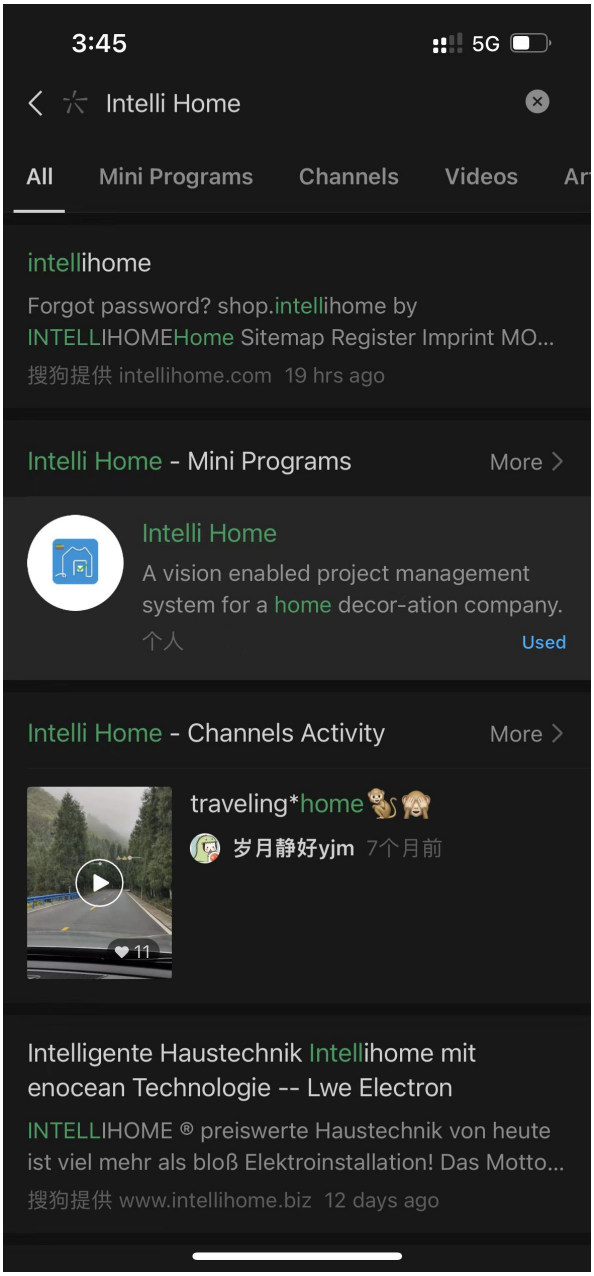
2.3.2 Search for the applet

Search the applet "**Intelli Home**" from the top search bar in WeChat.

Then click "**Search Intelli Home**".

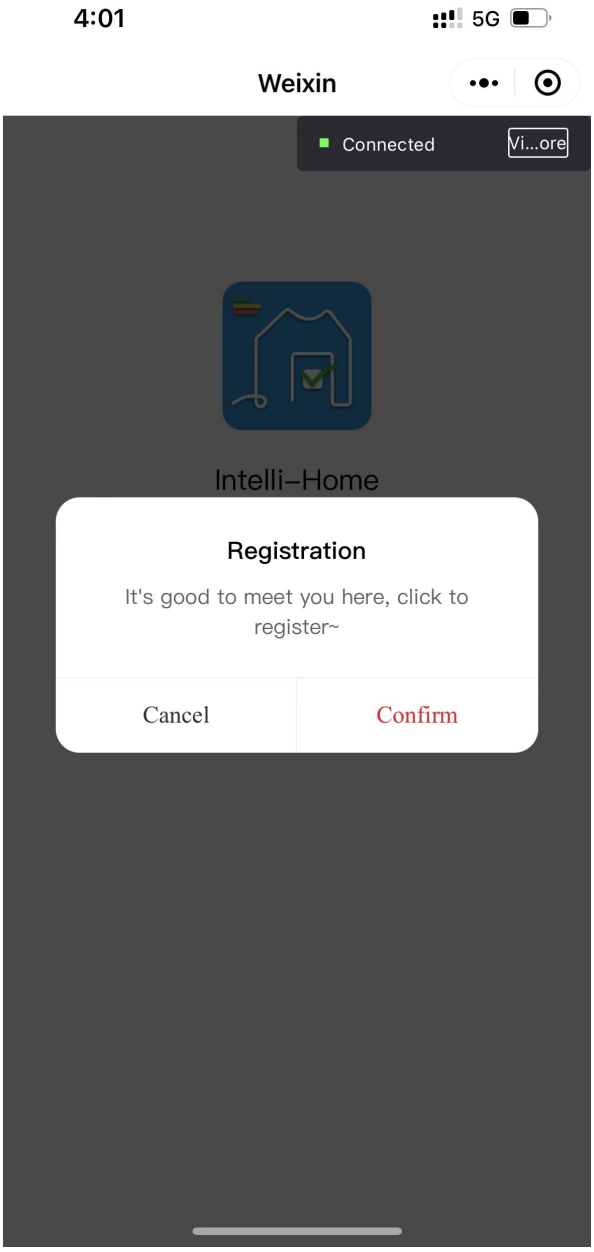


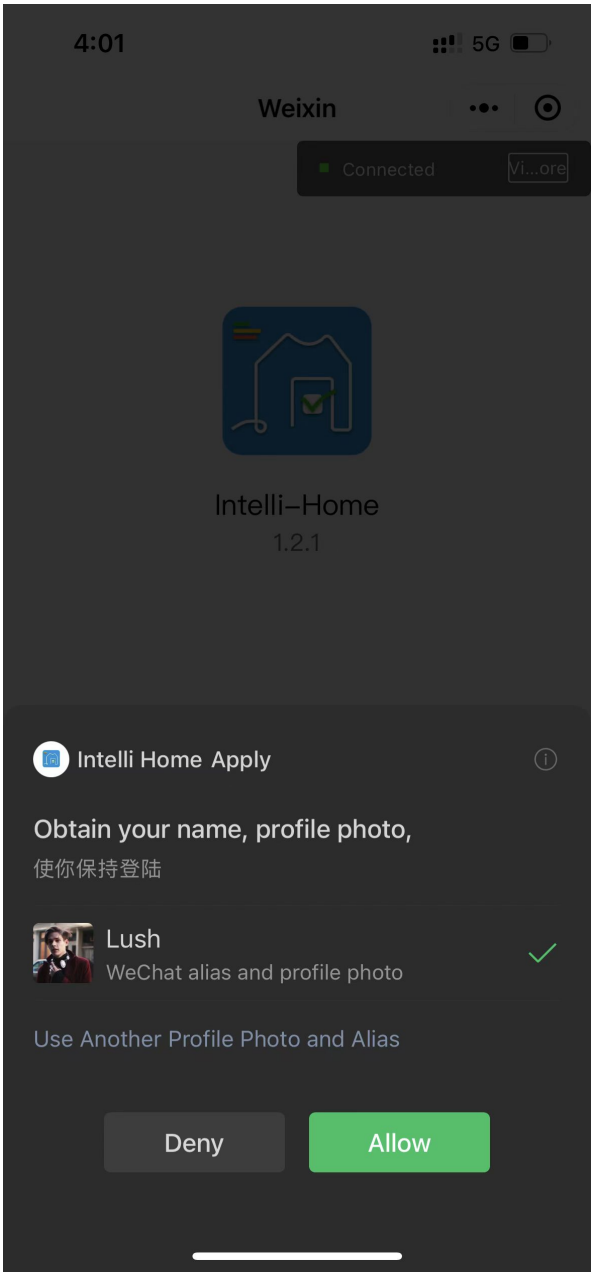
Then click the Mini Program "**Intelli Home**".



2.3.3 Start the journey with "Intelli Home"

Now, you could register an account and start the journey with "**Intelli-Home**"~


4:01
5G
Weixin
Connected
Vi...ore
Intelli-Home
Registration
It's good to meet you here, click to register~
Cancel
Confirm



For a more detailed guide, please refer to the user manual in chapter 2.

Note: The default login users are with house owner identities, which means you could not create projects or invite members. If you want to create projects please contact your project manager, or contact the manager of this applet (refer to the front of this documentation)

2.4 Instruction for tester

2.4.1 Pre-requested implementation environment

- **WeChat development tool installed (Follow the instruction in 1.2 to install and activate your account)**

- Node.js installed and version above 8.0
- The base library version is 2.7.3 or above
- Developer tools version 1.02.1907232 or above

2.4.2 Installation of automator SDK

- Open the terminal at the location of the file
- Enter the following code:

```
npm i miniprogram-automator --save-dev
```

2.4.3 Function enable

- Turn on **CLI/HTTP** call function in the tool security settings.
- Bring in the SDK directly and start writing control scripts

2.4.4 Initialization

- Create a new folder **miniprogram-demo-test** to place the test code and execute the following command to install the dependencies:

```
npm i miniprogram-automator jest
npm i jest -g
```

2.4.5 Script execution

- After writing the script, execute the following script directly:

```
jest index.spec.js
```

- If you see the following message output from the console, the test is successful.

```
PASS  ./index.spec.js (5.341s)
  index
    √ desc (18ms)
    √ list (14ms)
    √ list action (1274ms)

Test Suites: 1 passed, 1 total
Tests:       3 passed, 3 total
Snapshots:   0 total
Time:        6.378s
Ran all test suites matching /index.spec.js/i.
```

3. User manual

Click here to open the detailed user manual.

4. Quality assurance

Team 01 had assigned a team member to specialize in quality assurance. He does the following things:

- Design the team workflow and documentation system to ensure work efficiency and traceability.
- Define standards and make sure all documented/changed files meet the requirements.
- Approve merge requests only if the changes meet the specifications.
- Arrange meetings for the error collection and expected improvements after each stage is finished.
- Encourage to comment on the GitLab
- Help team members with technical issues and introduce the helpful method to solve the problem
- Hold discussions about some difficult problems that happened while coding/testing.
- Check the test coverage and do the version control

Thankfully, he did all these well and therefore guaranteed the success of our project.

If you would like to go through the test of this applet, you may refer to chapter 2.4 "**Instruction for tester**" and you could also find the detailed test report here