# Tian’s Kitchen

# User Manual

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## System Requirements

### Hardware Requirements

* **Computer:** The Application needs a Standard computer or laptop to be used
* **Operating System:** The Application Requires Mac OS
* **CPU:** Application requires 1GHz or faster
* **Memory (RAM):** 1GB or More
* **Graphics Card:** Standard graphics card
* **Sound Card:** Standard Sound card
* **Input Devices:** Standard (Working) keyboard and mouse

The above are the list of hardware requirements that your computer system must meet in order for the application to preform efficiently and as it is intended to do. Although your system needs to have the hardware listed there is also some software that also needs to be installed before you try and run the application the software required is listed below.

### Software Requirements

Your computer should already install python3 and java, a version of python 3.7+ and jdk11+ is recommended.

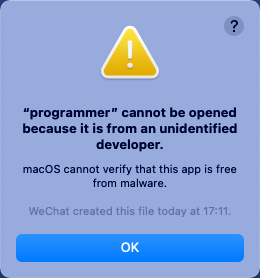
## How to Play

### Starting the Application

图形用户界面, 文本, 应用程序

描述已自动生成

Click either exec file or .app file to run is ok. While you may get an alert notification like this:



This is due to Mac’s default security settings; you can follow the steps below:

图形用户界面, 文本, 应用程序, 电子邮件

描述已自动生成

Or you can run the exec file via right click, open with, terminal

### Login to the platform

After running the application, you should receive the login page:

图形用户界面, 应用程序, Teams

描述已自动生成

For the first time using this application, you should create your own account (click “Register” button):

图形用户界面, 文本, 应用程序

描述已自动生成

The password should at least consist of 6 characters, including capital letter, lower letter, and digit.

### Selection page

After login you should see the page below

图形用户界面, 文本, 应用程序, 聊天或短信

描述已自动生成

When your mouse hover over the button, it suggests each page’s function.

* Choose level: select which level to play (four levels in total)
* My record: display your own record, all the submissions
* Leader board: display all the successful submissions from all the users in this platform (logged in this computer)

### Choose level page

图形用户界面, 应用程序

描述已自动生成

return to previous page

buttons to click

### My record page

return to previous page

display username

表格

描述已自动生成

Display all the submissions, if you didn’t submit anything, it will display an empty table.

### Leader board page

表格

描述已自动生成

return to previous page

### Level 1

stack size is 3; food add from s[0]

french-fries stack

press to see tutorials

level1 instruction

burger stack

alfajor stack

图形用户界面

描述已自动生成

serve: allocate food for customer whose qid = 0 (first come, first serve)

control burger stack

control french-fries stack

control alfajor stack

return to previous page

Tutorial pages:

图形用户界面, 文本

描述已自动生成

open a new window for basic code

return to previous page, tutorial window closes

图形用户界面, 文本

描述已自动生成文本

描述已自动生成图形用户界面, 文本, 应用程序, 电子邮件

描述已自动生成

return to previous page, show stack page

go to next page

In level1, there are 6 customers in total (each time you can 3 of them, or less than 3 when serve for customer 5 and 6), you need to allocate food for them with what they ordered one by one. You need first use “add” button to add food to each food stack then use “serve” button to allocate food. Otherwise, you may receive a message box alert you that the stack is empty:图形用户界面

描述已自动生成

As you can see, the size of each stack is 3:

图形用户界面

描述已自动生成

When you successfully serve all the customers, you will receive this message:

图形用户界面, 文本, 应用程序

描述已自动生成

### Level 2, 3, 4

Level 2, 3 and 4 requires user to submit their own code to solve the problem, these 3 levels have a same structure: Question description, Instruction, Basic code and hints, Example scenario, Code edit area and submit button:

Instruction:

Question description

图形用户界面, 文本, 应用程序

描述已自动生成

Basic code and Hints; press “hints” button to see question hints

Example scenario

图形用户界面, 应用程序

描述已自动生成 图形用户界面, 应用程序

描述已自动生成

“submit python” captures the code in “Python codingArea” then test the code through all the test cases; similarly, “submit java” captures the code in “Java codingArea” then test the code through all the test cases. If the user presses “submit” button without open coding window, message box will show “please write your code first”:

图形用户界面, 文本, 应用程序, 聊天或短信

描述已自动生成

If you submit a successful code, message box will show like below:

图形用户界面, 文本, 应用程序, 聊天或短信

描述已自动生成

When writing your own code, please follow the instruction and the basic code, make sure your code can receive the defined input and print out the final output. Also, for java code, use the level name to define your class: class Level2 for Level 2, class Level3 for Level 3, class Level4 for Level 4.

## Potential Issues

### Common problem

This ADS game application is designed via PyQT5, so have your device installed PyQT5 is recommended. If you receive “No module named PyQt5.Qsci”, solve it via “pip install qscintilla”

### Contact Information

Please do not hesitate to email any enquiries about my application to the following email address:

[2640880T@student.gla.ac.uk](mailto:Iannorwood332@gmail.com)

## Copyright

Tian’s kitchen was created by myself as part of a Master degree final Project.