

User Manuals of Chibiterasu

Group Number: 32

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1. Introduction

(1) Introduction of the software

The name of this software is Chibiterasu, a Japanese anime character. The software is a python based, users can use the software with a simple download and installation. The software provides users with some interesting and practical functions, which will be elaborated in the following function introduction. In order to enhance the user experience, the developer designed a beautiful UI interface for the software. Model of the software is a cute kitten that users can interact with through a series of actions. Developers hope that this software can bring users a wonderful experience, start your Chibiterasu journey!

(2) Creation aims of the software

Computer has become an indispensable part of people's life, work and study. People spend a lot of time on computer every day. The developers hope the software will provide computer users with some fun and make their time on the computer less boring. At the same time, the software also provides users with some practical functions, such as weather forecast, schedule planning and so on.

(3) Target users

The software has no requirements for users, as long as they can use the computer independently.

2. Requirement of the System

Operation System of Computer	Windows 10 or later
Processor	Inter Core i3 or later
RAM	4GB
Hard Disk Space	500MB

3. Download and Install

The software is easy to install. To run the software, you need to unzip dist.rar and double-click an exe file called *Chibiterasu*, then the software will work, and users can find a system tray icon in the Notification Area as shown in Figure 1.

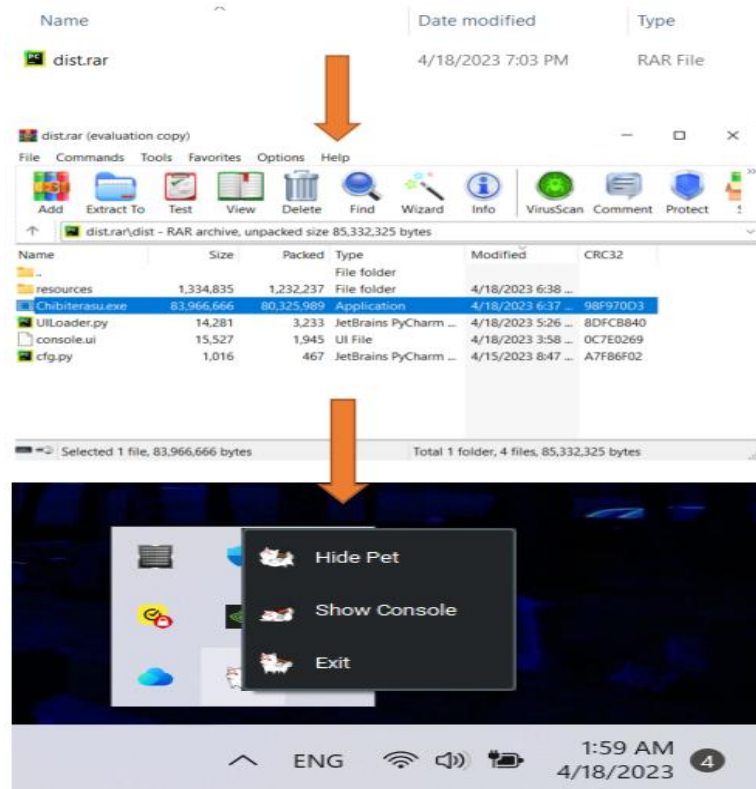


Figure 1

4. Default Properties for Desktop Pet

(1) Random action

- 1) Under the default settings, the desktop pet model will perform random actions, and the motion range is within the computer screen. In the absence of any interaction, the tabletop pet's movement is horizontal, it can't move vertically or in curves.
- 2) The desktop pet will automatically stop and continues to move in the opposite direction, when it moves to the edge of the screen.

(2) Sound effect

[Desktop pets make sounds in response to certain interactions.](#)

- 1) When the desktop pet is pulled up and released by the mouse, it will sound a cat meow.
- 2) When it climbs the sides of screen to reach the top-edge and fall, it will make a specific sound.

5. Settings of the Software

(1) System Tray Icon

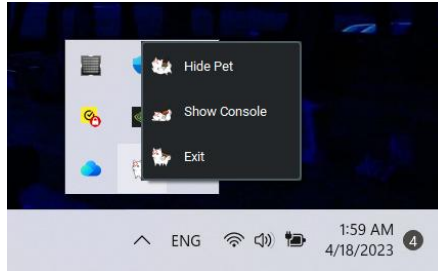


Figure 2

- 1) After the software is installed and running, a system tray icon appears in the Notification Area on the desk of the computer, as shown in Figure 2.
- 2) Right-click the system tray icon to show a context menu that includes hiding and showing the desktop pet model, displaying the console, and exiting the software system.
- 3) The users can quickly exit the system and access the console in the right menu of the system tray icon.
- 4) Users can hide and display desktop pets by clicking Hide Pet/Show Pet.
- 5) Users can click Exit to exit the software system.

(2) Console

The software has a Pet Console where users can adjust Settings and add Schedules, as shown in Figure 3.

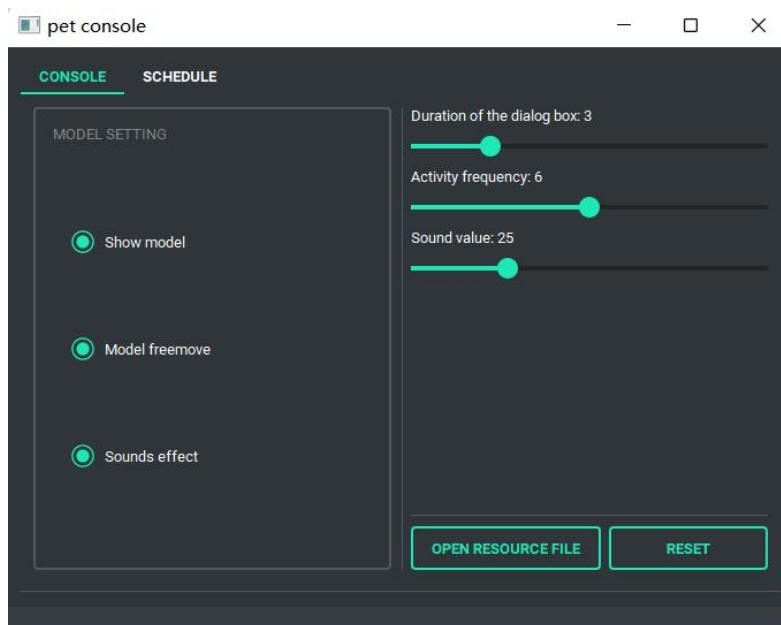


Figure 3

- 1) There are two ways to open the Console.
- The users can left-click Show Console from the context menu of the system tray icon.
 - The users can Open a context menu by right-clicking the desktop pet model, and then left-clicking Open Console to open the console, as shown in Figure 4.

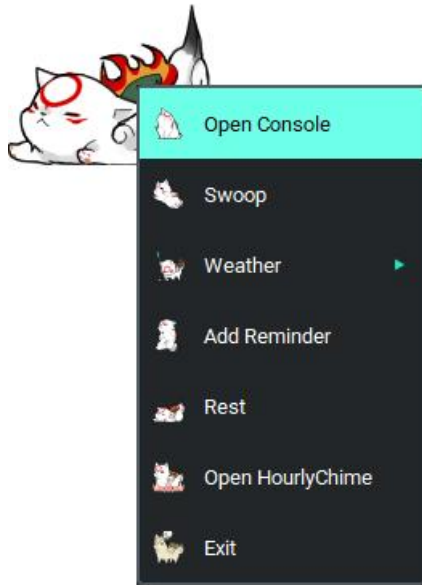


Figure 4

- 2) In the Console area, the users can adjust some properties of the desktop pet.
- **Model Shows/Hides:** Users can check or uncheck the Show Pet option to control the display and hiding of desktop pets. This button is linked to Hide Pet/Show Pet in the context menu of the system tray icon.
 - **Pet Random Actions:** Users can check/uncheck the Pet Freemove button to realize the random movement/rest of the pet on the desktop. This setting is linked to the Rest button in the right-click menu of desktop pet model. As shown in Figure 4.
 - **Sound Effect:** Users can turn on/off the desktop pet sound effects by checking/unchecking Sounds Effect button. Users can adjust the sound of desktop pet by dragging the horizontal scroll bar under the Sound Value. The range of adjustment is [0,99]. The larger the value is, the larger the sound effect of desktop pet will be.
 - **Duration of Dialog:** Users can adjust the duration of the desktop pet dialog by dragging the horizontal scroll bar below the Duration of the Dialog Box. The Adjustment range is from 2 seconds to 7 seconds.
 - **Frequency of random action:** Users can control the frequency of desktop pet's random actions by dragging the horizontal scroll bar below the Activity Frequency. The adjustment range is [2,10]. The larger the value is, the higher the frequency of desktop pet's random actions is.
 - **Reset:** Users can restore the settings of desktop pets to their default settings by clicking the RESET button in the lower right corner of the Pet Console.

6. Main Functions

The software provides users with some fun and practical functions. The practical functions include: weather forecasting, chime hourly chime and schedule planning.

The fun function allows users to have some interesting interactions with their desktop pets using the mouse and keyboard.

(1) Weather

Desktop Pet provides the function of real-time weather report of the day. Users can right-click the pet model on the desktop to open the context menu, then move the mouse to the Weather bar to open the secondary menu, and select the desired information in temperature, weather overview, humidity, visibility, sunrise and sunset time, as shown in Figure 5. Weather information is obtained from a public website: <https://www.bbc.co.uk/weather/2644210>.

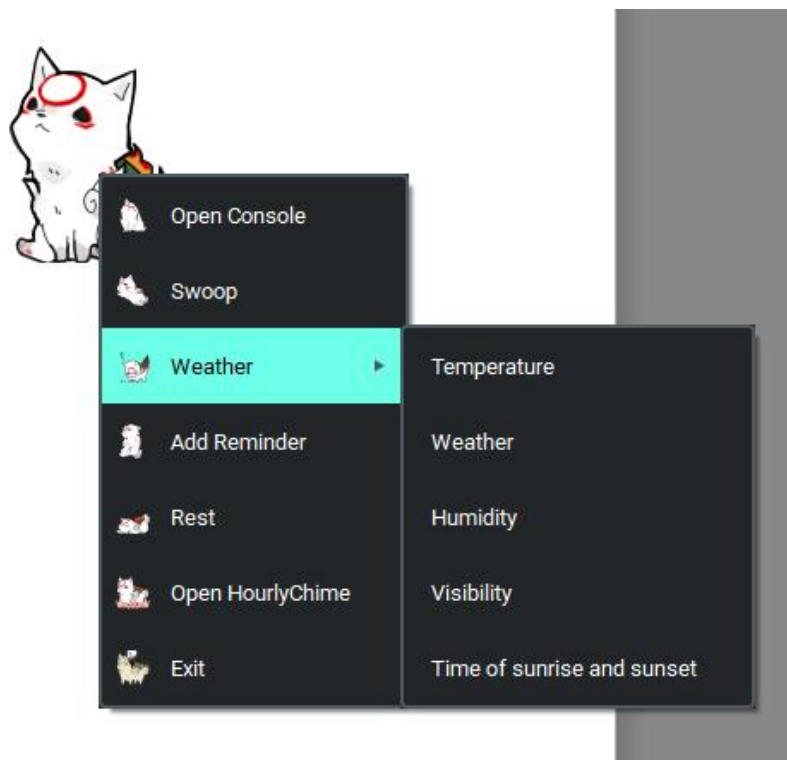


Figure 5

- 1) Temperature: By left-clicking Temperature, users can view the maximum and minimum temperature on the day of use in the dialog box above the pet. The system will send users some specific tips based on the temperature range of the day, as shown in Figure 6.

Maximum temperature and minimum temperature:15°,5°. Hoo hoo, how cold it is today! I still feel good, but you need to keep warm ღ(' ' ღ)



Figure 6

- 2) Weather, Humidity and Visibility: In the same way, users can get an overview of the day's weather, humidity and visibility information. Unlike temperature, this information will not trigger specific tips.
- 3) Time of sunrise and sunset: Users can left-click Time of sunrise and sunset to get the day's sunrise and sunset times, and the desktop pet will send back some cute chat content as shown in Figure 7.

Time of sunrise and sunset:
06:06,20:17(" '▽' ") Are we going to
the seaside to watch the sunset
together?



Figure 7

(2) Hourly Chime

The software provides users with the function of ticking time, which can be turned on or off in the context menu of the desktop pet model, as shown in Figure 8.

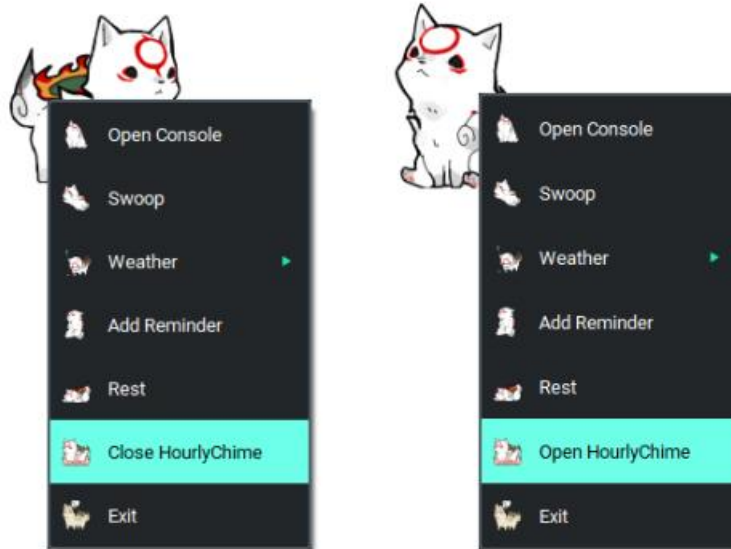


Figure 8

(3) Schedule

The software provides users with the function of schedule planning. The user can set the schedule in two ways:

- 1) Users can right-click on the desktop pet model to open the context menu, then left-click Add Reminder and fill in the date and task name in the subsequent dialog box, as shown in Figure 9. The schedule will be added to the system's database and saved. Users can overview the task list in Pet Console, Schedule area.

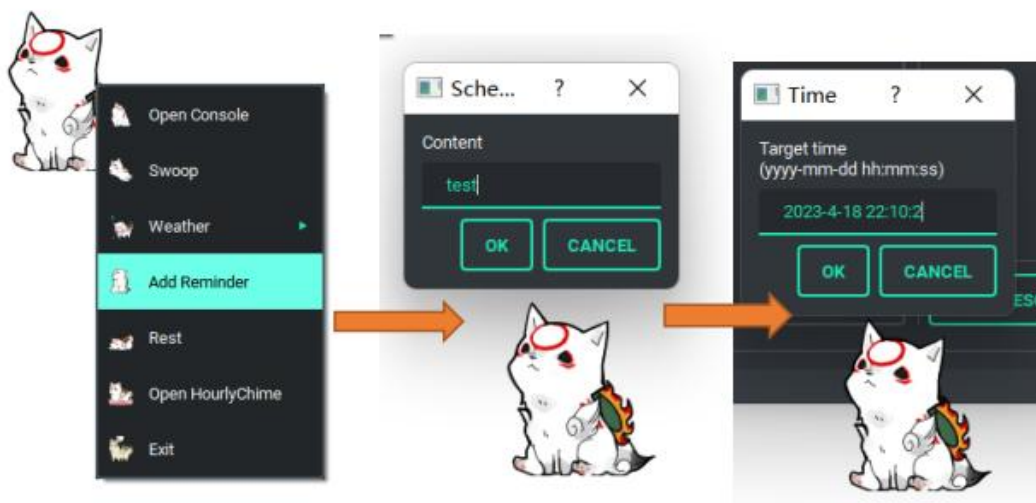


Figure 9

- 2) In the context menu of the desktop pet model or the system tray icon, left-click Show Console/Open Console to open the console, and click SCHEDULE at the top of the console to enter the schedule planning interface, as shown in Figure 10. Users can set the time and name of your SCHEDULE in the SCHEDULE SETTING interface, then click ADD SCHEDULE to add the schedule to the task list below. To delete a SCHEDULE from the list, users need to click on the schedule to delete and click CLEAR FINISH SCHEDULE in the lower right corner. Users can control the switch of Schedule reminder by checking/unchecking Schedule Reminder in the right side.

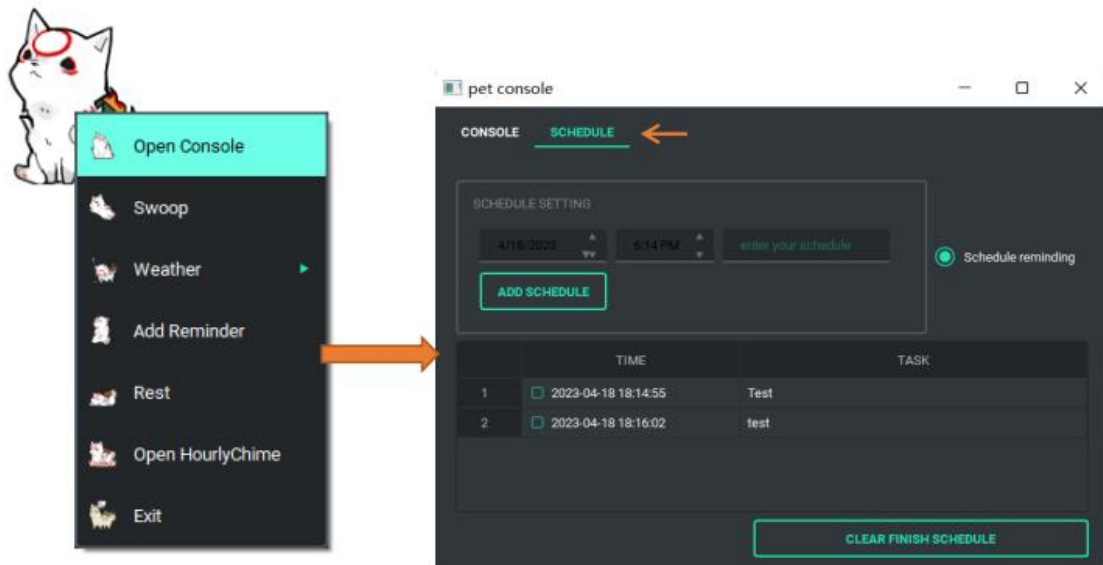


Figure 10

Note the following when using Schedule:

The time of the added schedule must be later than the current time. If the added time is earlier than the current time, the system automatically reports an error as shown in future 11.

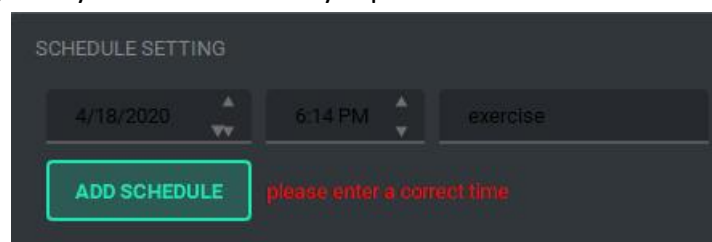


Figure 11

(4) Interactive Action

Users can have some fun interactions with their desktop pets using the mouse and keyboard.

1) Mouse interaction

- Users can drag the desktop pet to any location on the screen (except the side edge of the screen) by long-click the left mouse button, and if the left mouse button is released, the desktop pet will fall vertically. When clicking and dragging with the left mouse button, the desktop pet will perform different actions.

- If a desktop pet is dragged to the side edge of the screen, it will crawl up the edge of the screen. When the desktop pet climbs along the side of the screen to the top of the screen, it automatically falls and then continues to climb up the side edge of the screen. As shown in Figure 12.

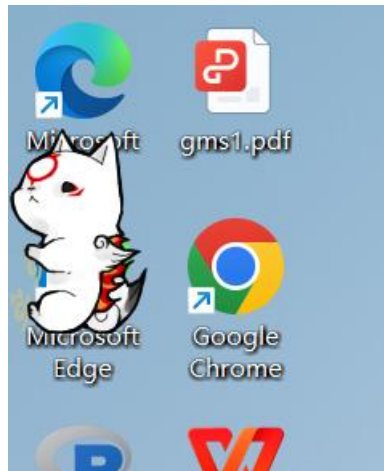


Figure 12

2) Keyboard interaction

In addition to mouse interaction, users can also interact with the desktop pet by keyboard.

- Right-click the desktop pet model to open the context menu, and left click Swoop to get the desktop pet into the swooping state. After entering the swooping state, the desktop pet will make the motion of lying down, and the operation reminder dialog box will pop up above it, as shown in Figure 13.



Figure 13

- Users need to follow the prompts to swoop interactive. Press the left button of keyboard to do a leftward swoop, and press right to do a rightward swoop. Long-press to charge power. The longer the charging time, the farther the desktop pet will swoop. Its trajectory is parabolic and will not jump off the screen.
- If the users want to end the swoop state, they can click or drag the pet with the left mouse button, or automatically end the state after completing a flying state.

There are hidden interactions waiting to be discovered. Explore them!

7. FAQ

Q: What does the software require of the user?

A: There are no specific requirements, as long as the user can use the computer independently.

Q: Are there bugs in the system, and how do users fix bugs if they encounter them?

A: The software is not perfect, there will be some unconsidered vulnerabilities. If the users find any problem during use, please contact the developer. The contact information of the developer is listed in Technical Support part.

Q: Does the software protect users' privacy?

A: The software is stand-alone, so users have no way to connect with other users and their privacy is protected from developers. So, the software doesn't reveal users' personal information.

Q: Will infringement be involved in the process of software development?

A: Absolutely not. All the resources and data used are publicly accessible in the development process of this software, such as desktop pet models and weather forecast information, which will not involve infringement problems.

8. Technical Support

If users experience any problems with the software, please contact any member of the software's developer team.

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9. Reference

[https://www.bbc.co.uk/weather/2644210.](https://www.bbc.co.uk/weather/2644210)

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<https://medium.com/analytics-vidhya/create-your-own-desktop-pet-with-python-5b369be18868>