# Context

# Chapter 2: Installation

## 2.1 Operating Environment

### 2.1.1 Hardware Requirement

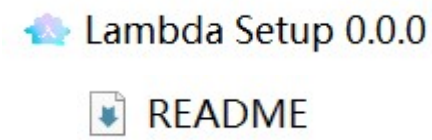
| | |
|---|---|
| **CPU** | Quad-core or higher |
| **GPU** | VRAM 8GB or more |
| **Memory** | At least 8GB |
| **Storage** | 400MB or more |

### 2.1.2 Operating System

| | |
|---|---|
| **Windows** | Windows 10 or later |
| **MacOS** | MacOS 11.9 or later |
| **Linux** | Ubuntu 14.04 or later |

## 2.2 Product installation

You can find this download files(.exe) in this directory:




You can directly click to download. If you need to generate files using source code, please refer to README.md in this directory.

- Make sure you have downloaded ollama and gemma2:2b, there are detailed guidelines in README.md.
- To ensure that your backend can start up properly, please refer to README.md to download dependency packages and run them.

# Chapter 3: How to Use the Software

**In this software, you can use Ctrl+1 to enlarge the page and Ctrl+2 to shrink the page.**

## 3.1 Home Page (default page)

This page will dynamically display the software name.


**Figure 3-1 Main interface**

You can click on the "Lambda" icon here to view simple usage instructions for each module. The directional keys at the bottom of the sidebar can be used to open and close the sidebar. The page you are on will be displayed in blue in the sidebar.

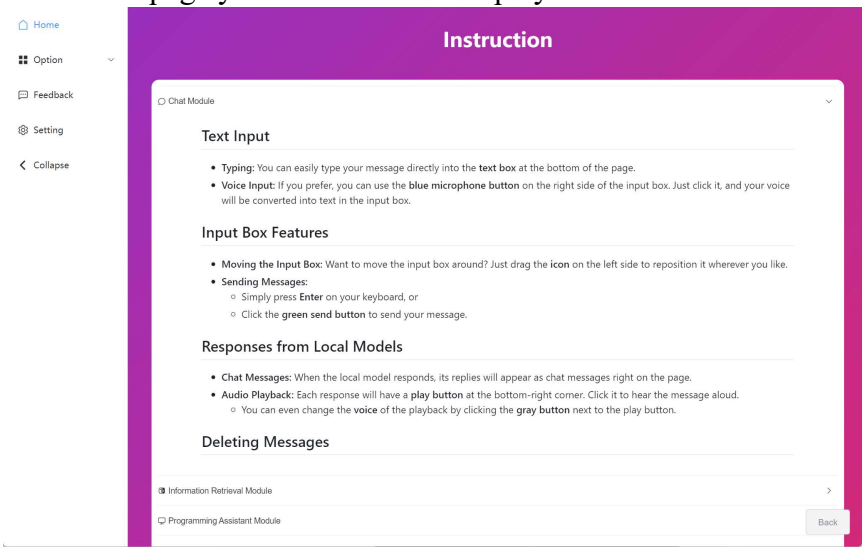



**Figure 3-2 Instruction Page**

## 3.2 Chat Page

The response from the local model is displayed as a chat message on the page, with a play button in the bottom right corner of each message that can play the message loudly. You can also use the gray button at the bottom to switch the playback tone. Double clicking the avatar of a specific message twice will delete the message.

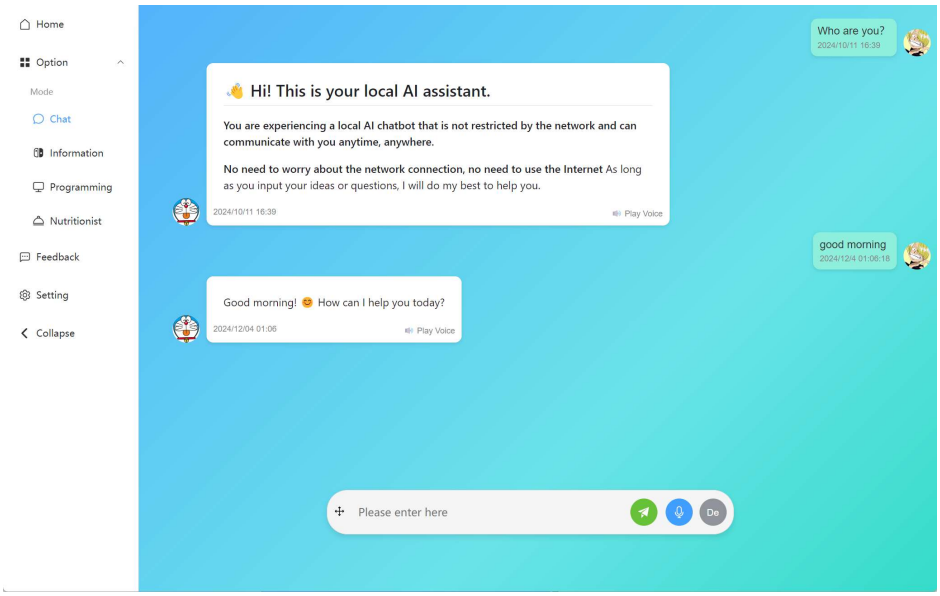



**Figure 3-3 Chat Page**

You can directly input text or use the blue microphone button on the right side of the input box for voice input, which will be converted into text in the input box. You can move the input box by dragging the icon on the left, and you can press Enter or click the green send button to send a message.

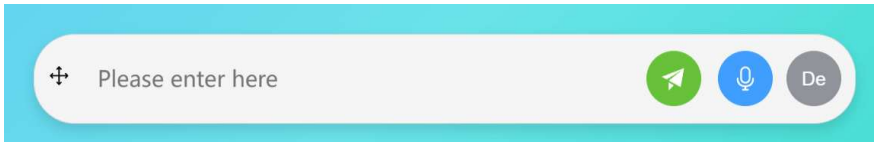



**Figure 3-4 Input box**

# 3.3 Information Retrieval Page

## 3.3.1 Main Page

After entering the request, if the ball turns blue, it indicates that the model has received a return, and it will be displayed after the reception is completed.

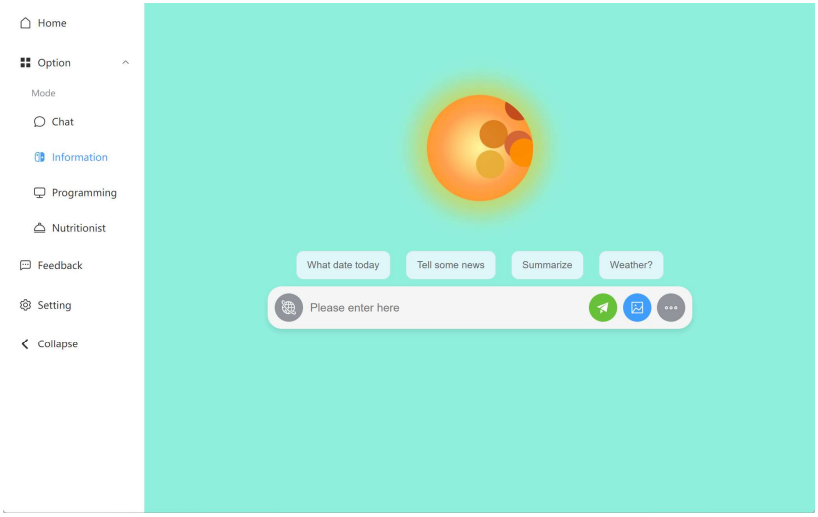


**Figure 3-5 Information Retrieval Page**

Online queries may be slower compared to local queries, and this page also supports image recognition and parsing. You can click the button on the left side of the input box to choose whether to query information online. You can click the blue image button to upload. You can click on the corresponding information record and choose to view or right-click to delete. The gray button on the right side of the input box can activate an additional floating window, and you can also enter requests within the floating window to quickly query information.

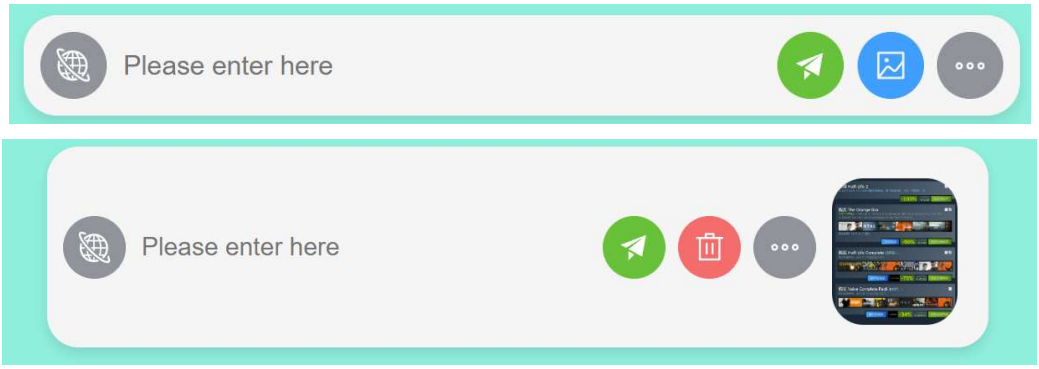



**Figure 3-6 Input box**

### 3.3.2 Floating window

You can drag and drop the icon to move it on your desktop, and when the mouse icon changes to palm shape near it, you can right-click the mouse to open the input box. This method can also be used to close it. After entering your request, you can press enter to send, and you can view the current status through the animation of the icon.

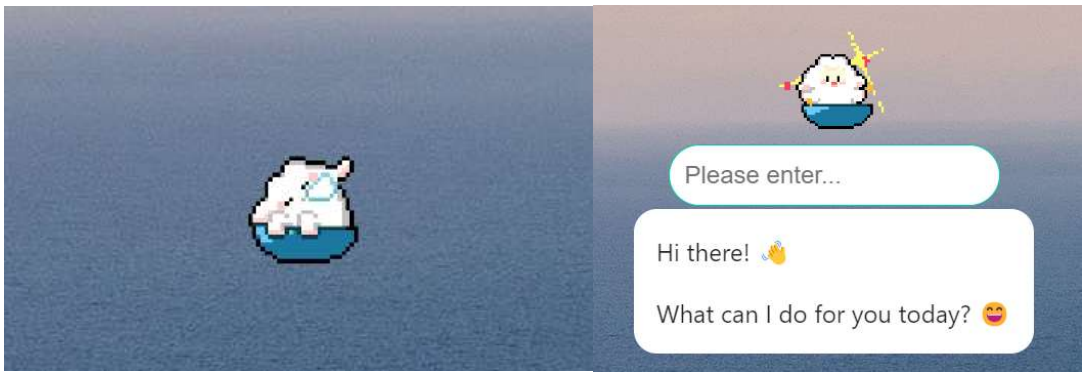



**Figure 3-7 Floating window**

## 3.4 Code Assistant Page

You can choose to upload the code file or directly enter your code requirements. The model will generate a description and explanation of the code on the left side and a code text on the right side for easy viewing. At the same time, you can click the copy and

download button in the lower right corner to choose between copying the code text or directly downloading the source file

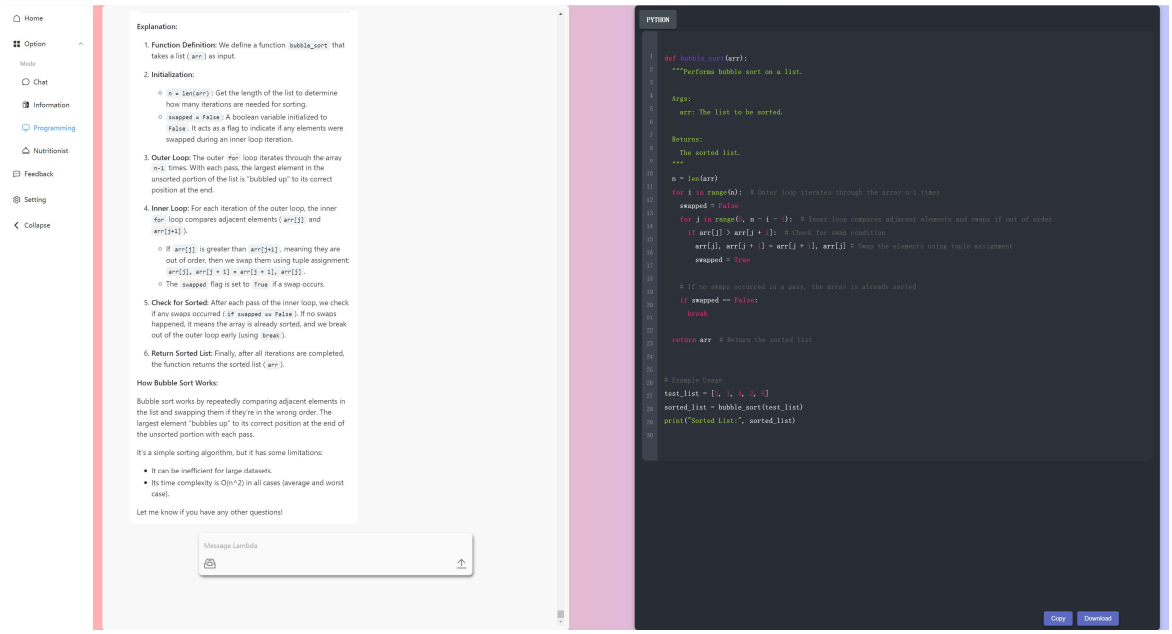



**Figure 3-8 Code Assistant Page**

# 3.5 Nutritionist Page

## 3.5.1 Main Page

You can enter your health information or health needs in the text box, and the model will automatically generate diet charts and nutrient distribution pie charts for you to view.

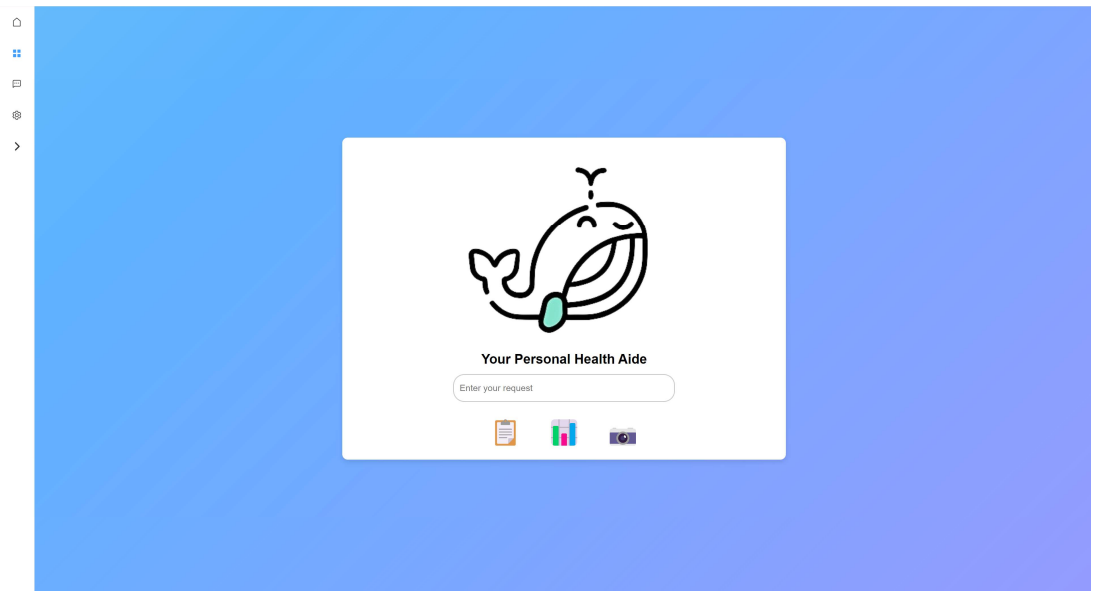
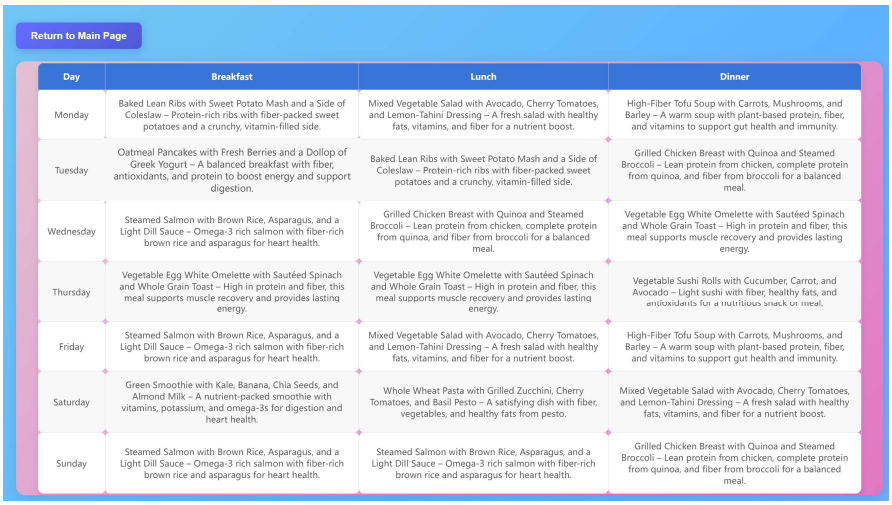



**Figure 3-9 Nutritionist Page**

You can directly click on the corresponding food in the table to view its nutrient

distribution pie chart.




| Day | Breakfast | Lunch | Dinner |
|---|---|---|---|
| Monday | Baked Lean Ribs with Sweet Potato Mash and a Side of Coleslaw – Protein-rich ribs with fiber-packed sweet potatoes and a crunchy, vitamin-filled side. | Mixed Vegetable Salad with Avocado, Cherry Tomatoes, and Lemon-Tahini Dressing – A fresh salad with healthy fats, vitamins, and fiber for a nutrient boost. | High-Fiber Tofu Soup with Carrots, Mushrooms, and Barley – A warm soup with plant-based protein, fiber, and vitamins to support gut health and immunity. |
| Tuesday | Oatmeal Pancakes with Fresh Berries and a Dollop of Greek Yogurt – A balanced breakfast with fiber, antioxidants, and protein to boost energy and support digestion. | Baked Lean Ribs with Sweet Potato Mash and a Side of Coleslaw – Protein-rich ribs with fiber-packed sweet potatoes and a crunchy, vitamin-filled side. | Grilled Chicken Breast with Quinoa and Steamed Broccoli – Lean protein from chicken, complete protein from quinoa, and fiber from broccoli for a balanced meal. |
| Wednesday | Steamed Salmon with Brown Rice, Asparagus, and a Light Dill Sauce – Omega-3 rich salmon with fiber-rich brown rice and asparagus for heart health. | Grilled Chicken Breast with Quinoa and Steamed Broccoli – Lean protein from chicken, complete protein from quinoa, and fiber from broccoli for a balanced meal. | Vegetable Egg White Omelette with Sautéed Spinach and Whole Grain Toast – High in protein and fiber, this meal supports muscle recovery and provides lasting energy. |
| Thursday | Vegetable Egg White Omelette with Sautéed Spinach and Whole Grain Toast – High in protein and fiber, this meal supports muscle recovery and provides lasting energy. | Vegetable Egg White Omelette with Sautéed Spinach and Whole Grain Toast – High in protein and fiber, this meal supports muscle recovery and provides lasting energy. | Vegetable Sushi Rolls with Cucumber, Carrot, and Avocado – Light sushi with fiber, healthy fats, and antioxidants for a nutritious snack or meal. |
| Friday | Steamed Salmon with Brown Rice, Asparagus, and a Light Dill Sauce – Omega-3 rich salmon with fiber-rich brown rice and asparagus for heart health. | Mixed Vegetable Salad with Avocado, Cherry Tomatoes, and Lemon-Tahini Dressing – A fresh salad with healthy fats, vitamins, and fiber for a nutrient boost. | High-Fiber Tofu Soup with Carrots, Mushrooms, and Barley – A warm soup with plant-based protein, fiber, and vitamins to support gut health and immunity. |
| Saturday | Green Smoothie with Kale, Banana, Chia Seeds, and Almond Milk – A nutrient-packed smoothie with vitamins, potassium, and omega-3s for digestion and heart health. | Whole Wheat Pasta with Grilled Zucchini, Cherry Tomatoes, and Basil Pesto – A satisfying dish with fiber, vegetables, and healthy fats from pesto. | Mixed Vegetable Salad with Avocado, Cherry Tomatoes, and Lemon-Tahini Dressing – A fresh salad with healthy fats, vitamins, and fiber for a nutrient boost. |
| Sunday | Steamed Salmon with Brown Rice, Asparagus, and a Light Dill Sauce – Omega-3 rich salmon with fiber-rich brown rice and asparagus for heart health. | Steamed Salmon with Brown Rice, Asparagus, and a Light Dill Sauce – Omega-3 rich salmon with fiber-rich brown rice and asparagus for heart health. | Grilled Chicken Breast with Quinoa and Steamed Broccoli – Lean protein from chicken, complete protein from quinoa, and fiber from broccoli for a balanced meal. |

**Figure 3-10 Dietary table**

Click or directly select the pie chart on the main page to view it. You can also click on different foods on this page to view their nutritional content.

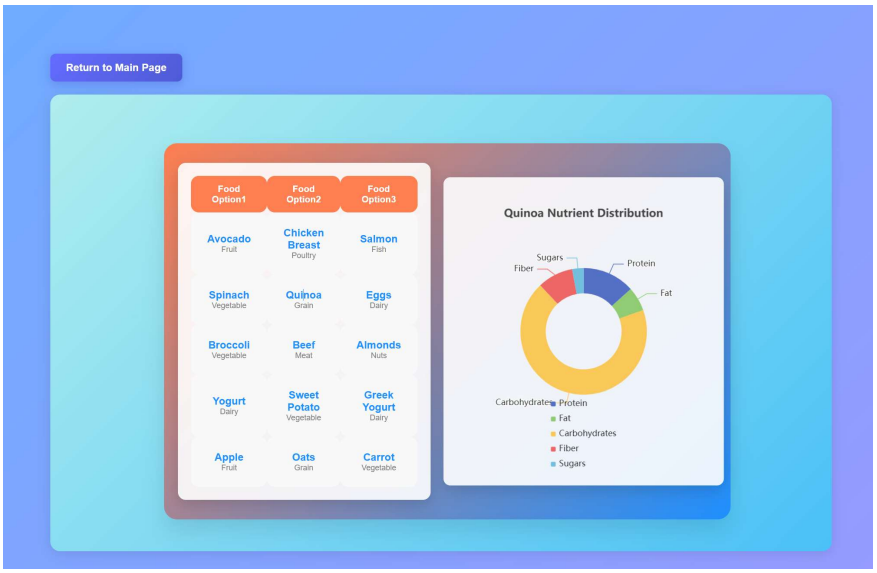



**Figure 3-11 Pie chart**

## 3.5.2 Food identification Page

You can choose to activate the camera or directly upload food images to obtain information about the food

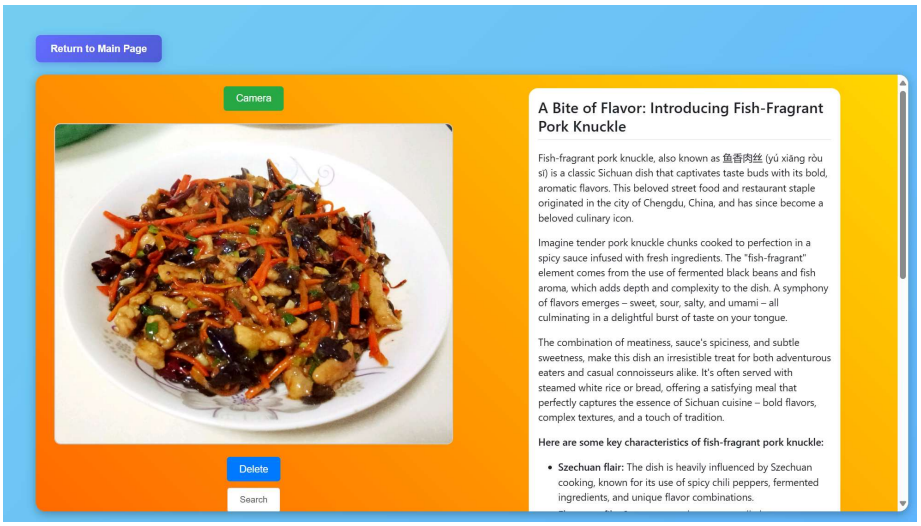



**Figure 3-12 Food identification**

## 3.6 Feedback Page

If you have any feedback or suggestions for improvement, you can enter your name, email, and feedback here, and we will contact you as soon as possible.

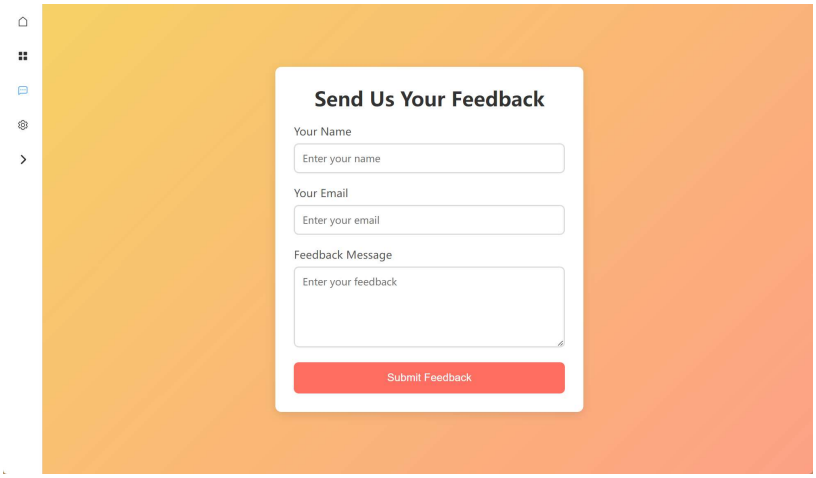



**Figure 3-13 Feedback Page**

## 3.7 Setting Page

You can set your avatar, gender, and personalized prompts that will be added to the model here. At the same time, we have reserved an extension port, and if you have a better model, you can fill in its URL and set it.

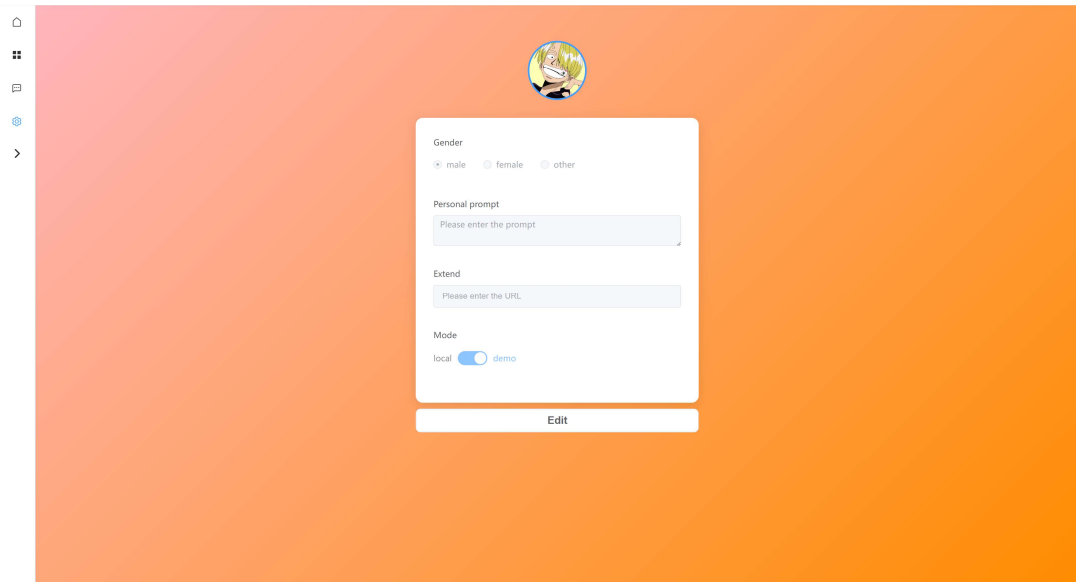



**Figure 3-14 Setting Page**

# Chapter 4: Frequent Asked Questions (FAQs)

## 4.1 About Back End

Q: What is the software showing 404 error?

A: This is usually caused by backend disconnection. It is recommended that you check the local backend port and confirm that the local mode is set in the settings. You can also directly set the backend URL in Extend.

Q: What is the reason for backend display request failure?

A: This is usually caused by not downloading the ollama model. It is recommended that you download gemma2:2b in advance and ensure that the model can be mounted properly.

## 4.2 About Network Connections

Q: Does this software require an internet connection?

A: The chat and information retrieval functions require an internet connection to provide real-time data and search results. However, for offline tasks (such as code assistance and nutrition advice, if pre-loaded), you can use the software without an internet connection.

## 4.3 About Model

Q: Can I use this software without a GPU?

A: Yes, you can use the software on machines without a GPU, but inference may be slower, especially for larger models. We recommend using a modern multi-core CPU that supports AVX2 or AVX-512 for better performance in CPU-only mode.

Q: Does the model support multiple languages?

A: At present, the model supports both English, Chinese, and other languages but the size of the model will limit its ability to handle non-English languages.

## 4.4 About Software

Q: Is this software free?

A: Yes, this software is completely free.

Q: How do I update the software?

A: When a new version is released, you will receive an automatic update notification. You can follow the on-screen instructions to upgrade and ensure you're using the latest features and bug fixes.

# Chapter 5: Trouble Shooting

## 5.1 No response

If the software does not respond, please try restarting directly. At the same time, check whether the backend is running normally and whether the switch in the settings is switched to local.

## 5.2 Software crash

If you encounter software crashes or cannot run, you can try uninstalling and reinstalling, or directly generating from the source code.

## 5.3 Contact Us

If the software still cannot start after you have tried generating the source code and directly running the downloaded file, and the backend is also running smoothly, you can contact us and we will provide assistance.