



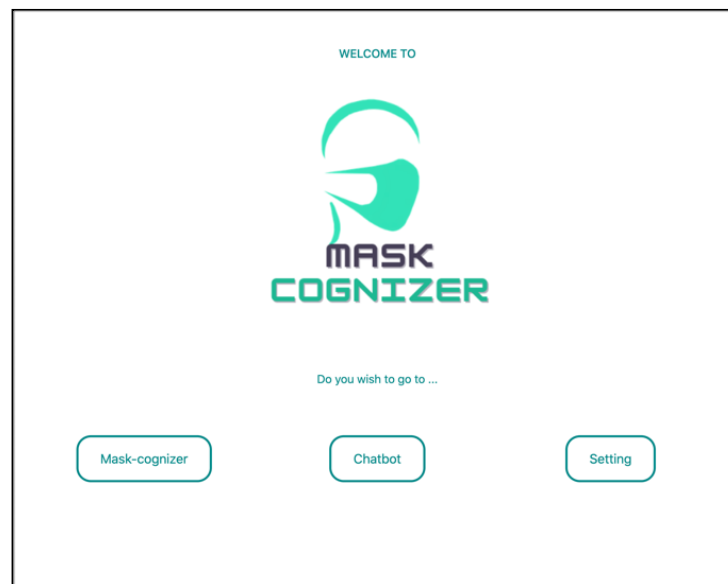
Mask-Cognizer User Manual

Mask-Cognizer is a multimodal user interface that utilizes the face detection and AI technology to detect the people who are not wearing a mask with a simple chatbot to keep users update information. The design inspiration and idea are to put in some effort to help to slow down the COVID-19 pandemics, which Mask-Cognizer can remind people to wear a mask and raise the public awareness of the public hygienic.

This user manual shows the functions with layout features and demonstration for users.

1) Home page

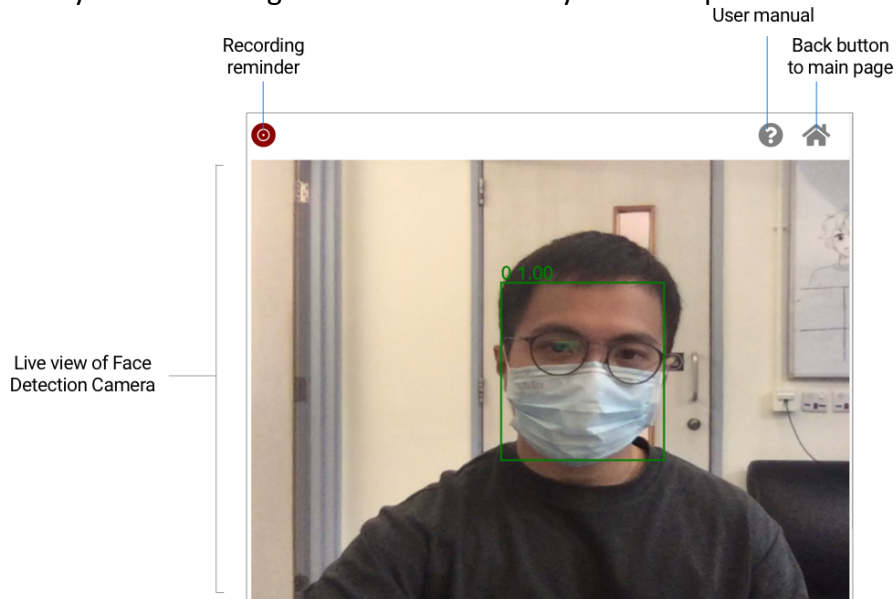
In the home page, there are three buttons (“Mask-cognizer”, “Chatbot”, “Setting”) from the left side to the right side under the Mask-Cognizer icon. If you click on one of these buttons, it will redirect you to the corresponding page.



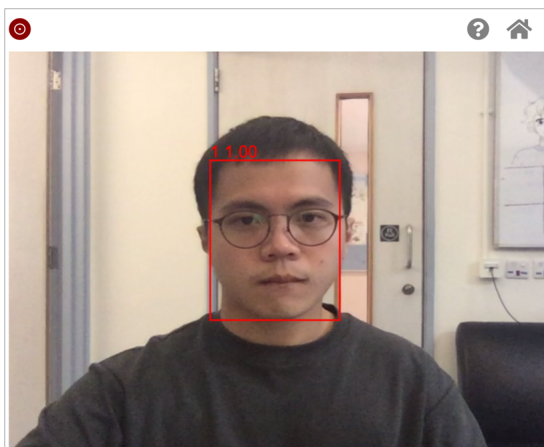
2) Mask-Cognizer

If you click on the “Mask-cognizer” button, the website will redirect you to the Mask-cognizer page.

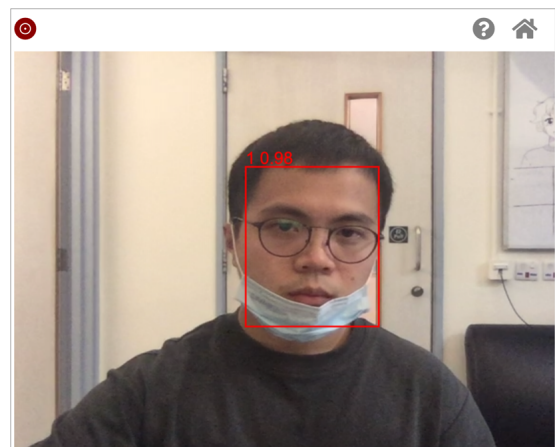
In the Mask-cognizer page, a camera screen will be displayed after hearing “**hello**” from the system. The camera will capture your face - if your face is detected properly, a square box is drawn on your face. The interface uses the loaded face detection modal to check whether you are wearing a mask or not. The layout description is as follows:



If you are wearing a mask, the colour of the box changes to **green** and the mask is detected (up); if you are not wearing a mask, the colour of the square in the camera screen will be **red** and the audio “**Please wear your mask, thank you.**” will be played to remind the user to wear a mask (below).




Sample 1- Without Mask



Sample 2 - Without Mask

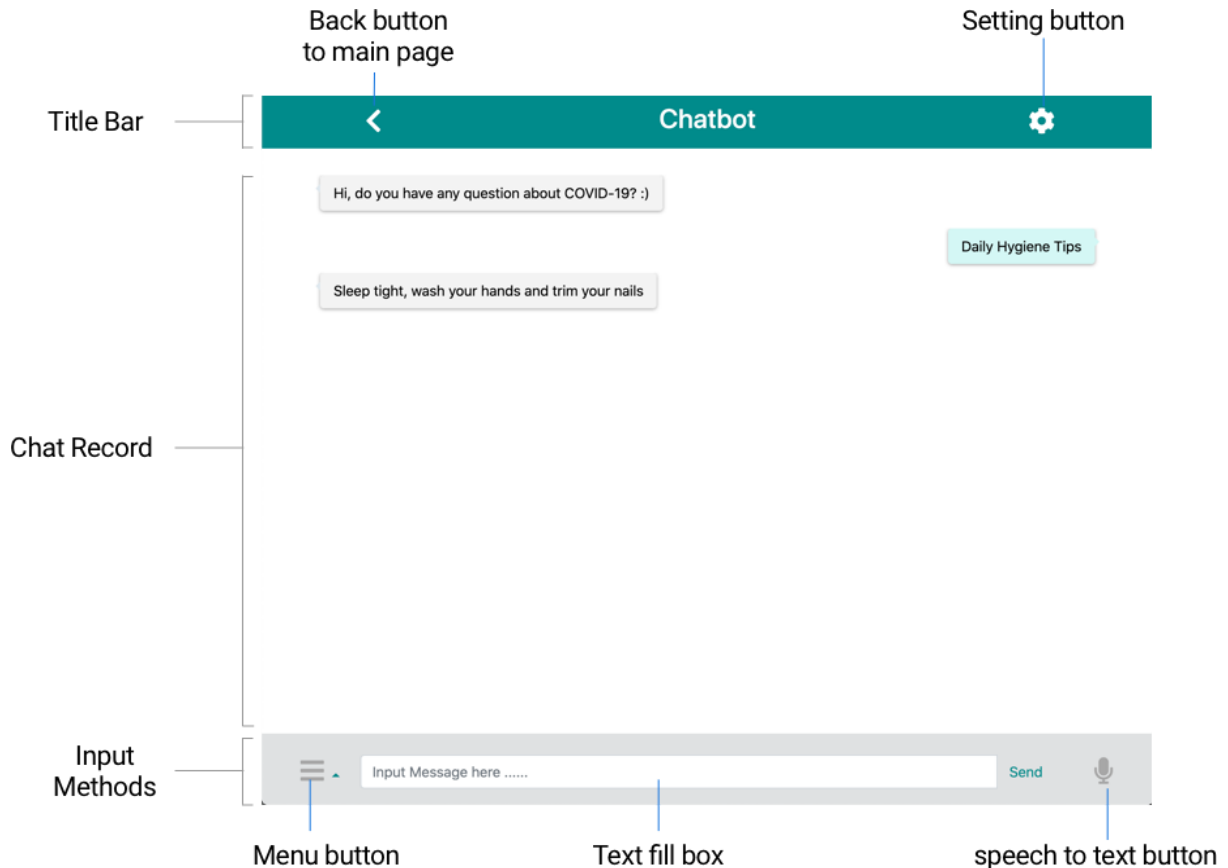
If you need any **help**, you can click on  button at the top right corner. It will redirect to the user manual page.



If you want to return to the **home** page, click on  button at the top right corner.

3) Chatbot

If you click on the “Chatbot” button, the website will redirect you to the Chatbot page.

In the Chatbot page, the layout will be very similar to the communication application, such as Whatsapp, Messenger. Details as follow:



On the title bar at the top, there is a  button at the top-left corner for you to return to the home page; there is a  button at the top-right corner to redirect to the setting.


On the **Chat Record areas**, the dialogue boxes with the grey colour on the left-hand side are the chatbot messages; the dialogue boxes with the teal colour on the right-hand side are the input messages by user. O

There are three input method on the **Bar at the Bottom of the Chatbot page**.

1. Keyboard Input:


There is a **long white text input bar** with the sentence “Input Message here”, which you can click on it and type the message you want to ask the chatbot by using **keyboard** input. Messages is pass to the bot when pressing “**Send**” button on the right, then the message is shown on the right-hand side of the chat record area with the teal dialogue box.

2. Audio Input:

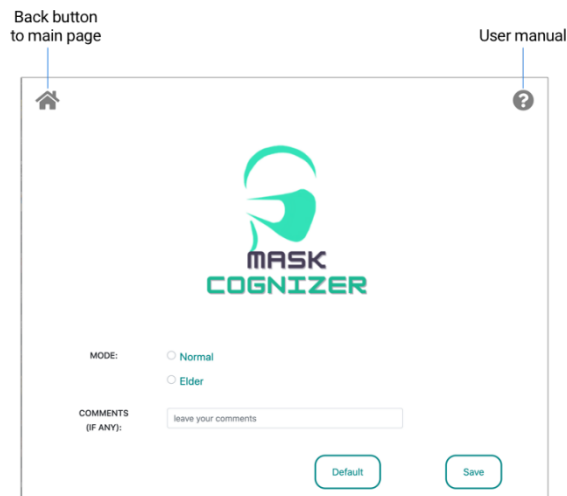
If you are not going to type your message, you can press the  button on the **right bottom corner** and **speak** the message that you want to ask. After you have

finish record your message, you can release the button and the message will be translated and send to the chatbot using the text-to-speech technology.

3. Menu Input:

If you click on the  button, there will be a **list of preset questions** that you can choose to ask the chatbot. Once you clicked on one of the questions, your question will be appeared on the dialog area and the chatbot will response to your question immediately.


4) Setting




If you click on the “Setting” button, the website will redirect you to the Setting page. In the Setting page, there is a **form** with two items, which are “**Mode**” and “**Comment**”.

For the “**MODE**”, there are two radio buttons for you to choose, which are normal mode and the elder mode. The **normal mode** is the default mode of the website. If you want customised features like larger font size in the application, you can choose to use the **elderly mode**. The elderly mode is a mode that design for the **elderly** or the people who are having **visual impairment problem** as it provides larger font size in the application.

For the “**COMMENTS**”, you can leave your comments or feedback in the text input bar and press the “Save” button to send your feedback to us to improve Mask-Cognizer. There is also a “Default” button on the left of the “Save” button, it allows you to change the mode back to the normal mode and clear the input text in “COMMENTS”.

At the top left corner,  button allows you to return to the home page;

at the top right corner,  button will redirect to the user manual page, in case you face any problems.