USER MANUAL

1. Purpose of Manual and Users

The purpose of this user manual is to assist users, new or experienced, with the use of Chatbot Cutie. This manual provides instructions for installing the software required to run Chatbot Cutie as well as a detailed guide on using the Chatbot.
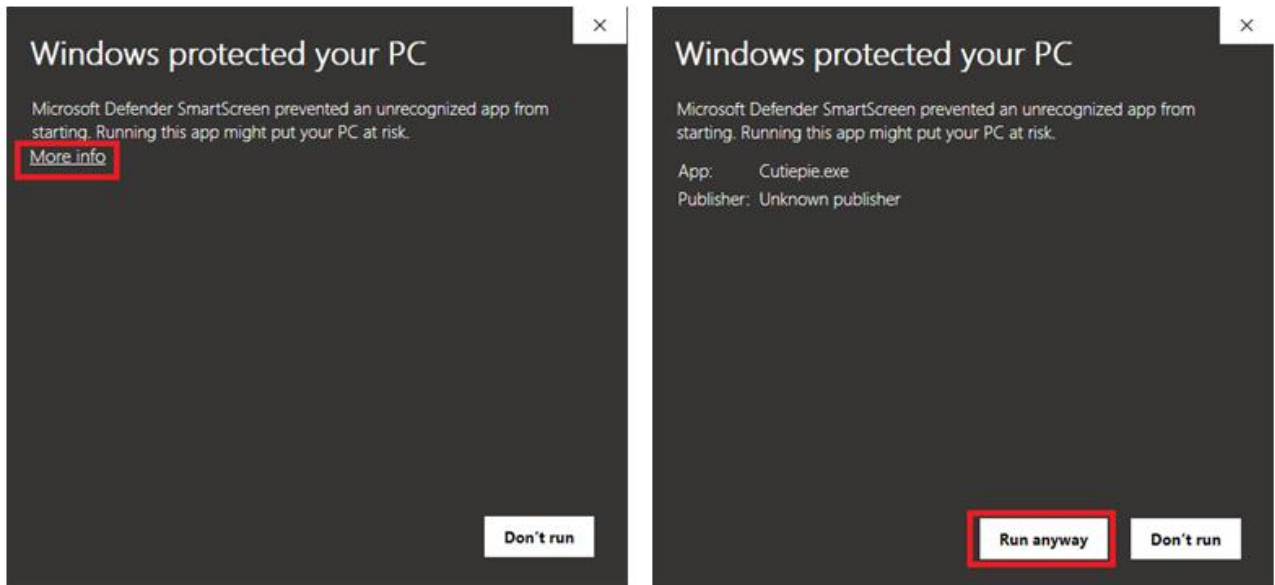
2. System Overview

Chatbot Cutie is an audio chatbot which takes a text or audio input from users and provides a response to the user as a text and audio output. Chatbot Cutie was developed for use in user's daily lifestyle, which by incorporating it into their day-to-day routines will make it easier. In order to use this Chatbot, users are required to install Python, which is the main software used by Chatbot Cutie. Details about the software installation is provided in this user manual.

3. Software Installation

Steps to install Chatbot Cutie:

1. Extract the zipped file and look for executable file
2. Read the "Read Me!!!" text file before starting
3. You are now ready to run Chatbot Cutie

Note: During the first run, you might encounter the issue with Windows defender screen. According to Microsoft, applications that are not signed an EV certificate have chances to be flagged. As EV certificates are costly and do not provide any values, we have not signed our app. To resolve this issue, you can carry out the following steps: Click on 'More Info' and then click 'Run anyway'

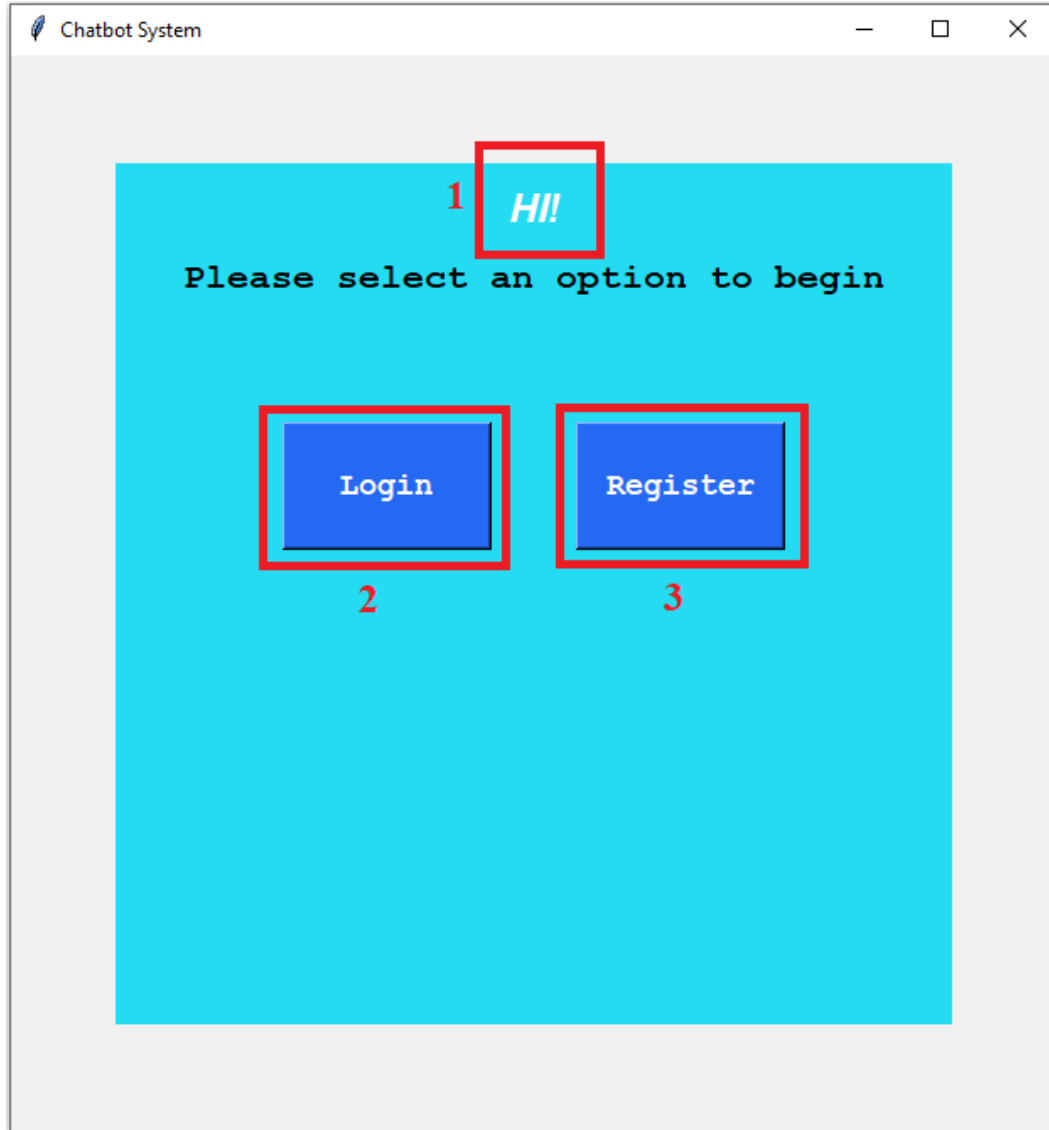*Figure 1: Allowing Chatbot Cutie to run*

4. Hardware Requirements

The hardware components needed for this program (Chatbot Cutie) are as follows: -

✓ Desktop or laptop to download the program on (Only Windows)

✓ Keyboard for user to key in text input

✓ Mouse to navigate through the Chatbot

✓ Microphone for speech input

5. Using Chatbot Cutie

When the program starts, the main page will be displayed. The main page consists of a welcome message and two options for the user to choose from, 'Login' or 'Register'.

Figure 2: Main Page

No.	Feature	Function
1	Welcome message	Greets the user
2	'Login' Button	Redirects user to the login page
3	'Register' Button	Redirects user to the register page

Table 1: Main Page Components

5.1. Registering an Account

The register page consists of entry fields where users are required to enter their details, and two buttons, 'Register' and 'Back to Main Page', each with their own functions.

Figure 3: Register Page

No.	Feature	Function
1	Entry Fields	Prompt user to enter their information. (Mandatory information that are required are marked with "*")
2	'Register' Button	Registers the user account
3	'Back to Main Page' Button	Redirects user to the main page

Table 2: Register Page Components

5.2. Logging-In to Chatbot Cutie

The login page consists of entry fields where users are prompt to enter their account credentials, and three buttons, 'Login', 'Forgot Password' and 'Back to Main Page', each with their own function.

Figure 4: Login Page

No.	Feature	Function
1	Entry Fields	Prompt user to enter their account credentials in order to login. (Account must be registered)
2	'Login' Button	Logs user in to the account and redirects them to the Chatbot page.
3	'Forgot Password' Button	Redirects user to the forgot password page
4	'Back to Main Page' Button	Redirects user to the main page

Table 3: Login Page Components

5.3. Forgot/Reset Password Page

The 'Forgot Password' page has entry fields where users are prompted to enter the required credentials. This page also has two buttons included, 'Check my details' button and 'Back to main page' button, each with their own functions.

Figure 5: Forgot Password Page (Checks Users' Credentials)

No.	Feature	Function
1	Entry Fields	Prompts user to enter their required credentials.
2	'Check my details' Button	Checks user's credentials and if the credentials match, redirects them to the reset password page
3	'Back to Main Page' Button	Redirects user to the main page

Table 4: Forgot Password Page Components

The reset password page consists of entry fields that prompts users to enter their new password, and two buttons, 'Reset Password' button and 'Back to main page' button, each with their own functions

Figure 6: Reset Password Page

No.	Feature	Function
1	Entry Fields	Prompts user to enter a new password and type it again to confirm it.
2	'Reset Password' Button	Resets user's password
3	Back to Main Page Button	Redirects user to the main page

Table 5: Reset Password Page Components

5.4. Chatbot Page

The Chatbot page consists of a title, menu bar, message box, entry field, 'Send' button, 'Clear Screen' button, 'Start Voice-Chat' button and a 'Start Voice-Chat' button, each with their own functions which is listed in Table – below
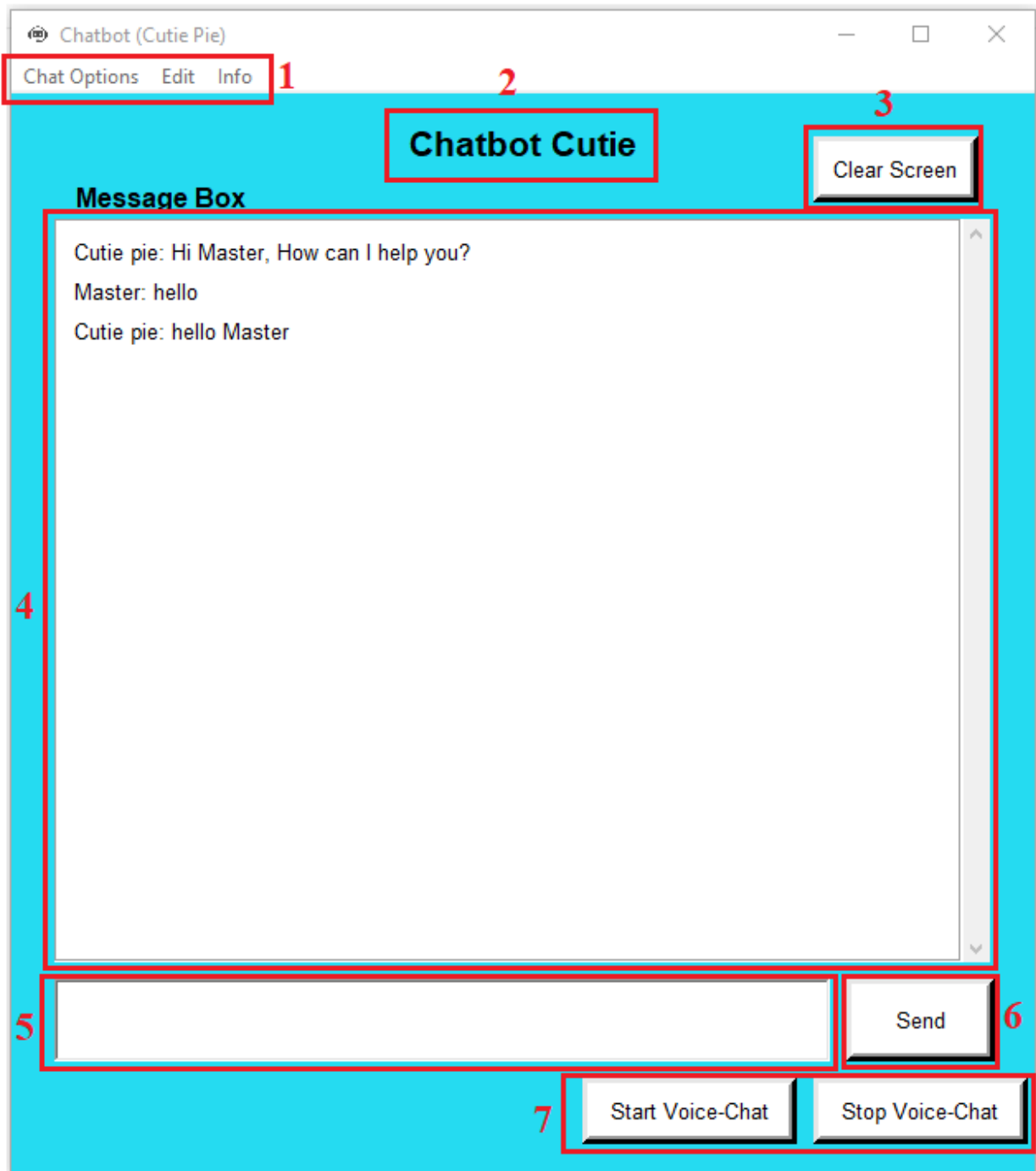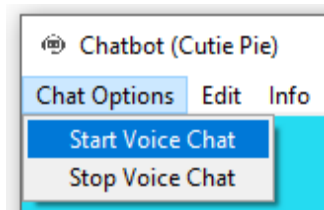
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Figure 7: Chatbot Page

No.	Feature	Function
1	Menu Bar	Contains three drop-down menu options
2	Title	Displays the title
3	Clear Screen Button	Clears the conversation on the message box
4	Message Box	Displays the conversation between the chatbot and user
5	Entry Field	Users can enter a text input in the field
6	Send Button	Sends the user's text input
7	Start – Stop Voice Chat Button	Turns on and off voice chat

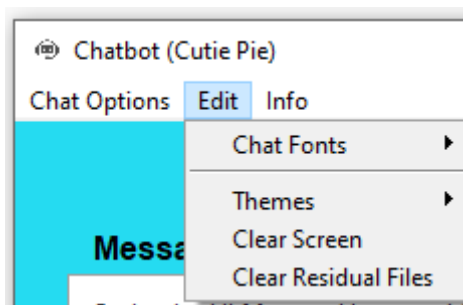*Table 6*: Chatbot Page Components

5.5. Menu Bar

The menu bar has three options each with a drop-down list of options.

1. Chat Options Menu: cascades 'Start Voice Chat' and 'Stop Voice Chat' options

Figure 8: Chat Options Menu

2. Edit Menu: cascades 'Chat Fonts', 'Themes', 'Clear Screen' and 'Clear Residual Files'. ''which in turn cascades options to change font and themes respectively.
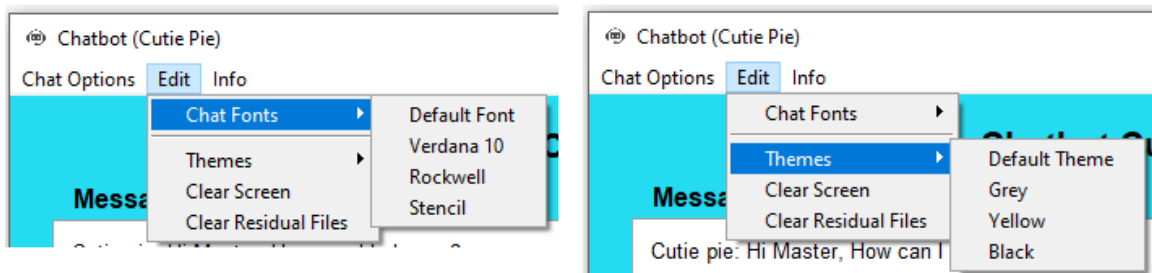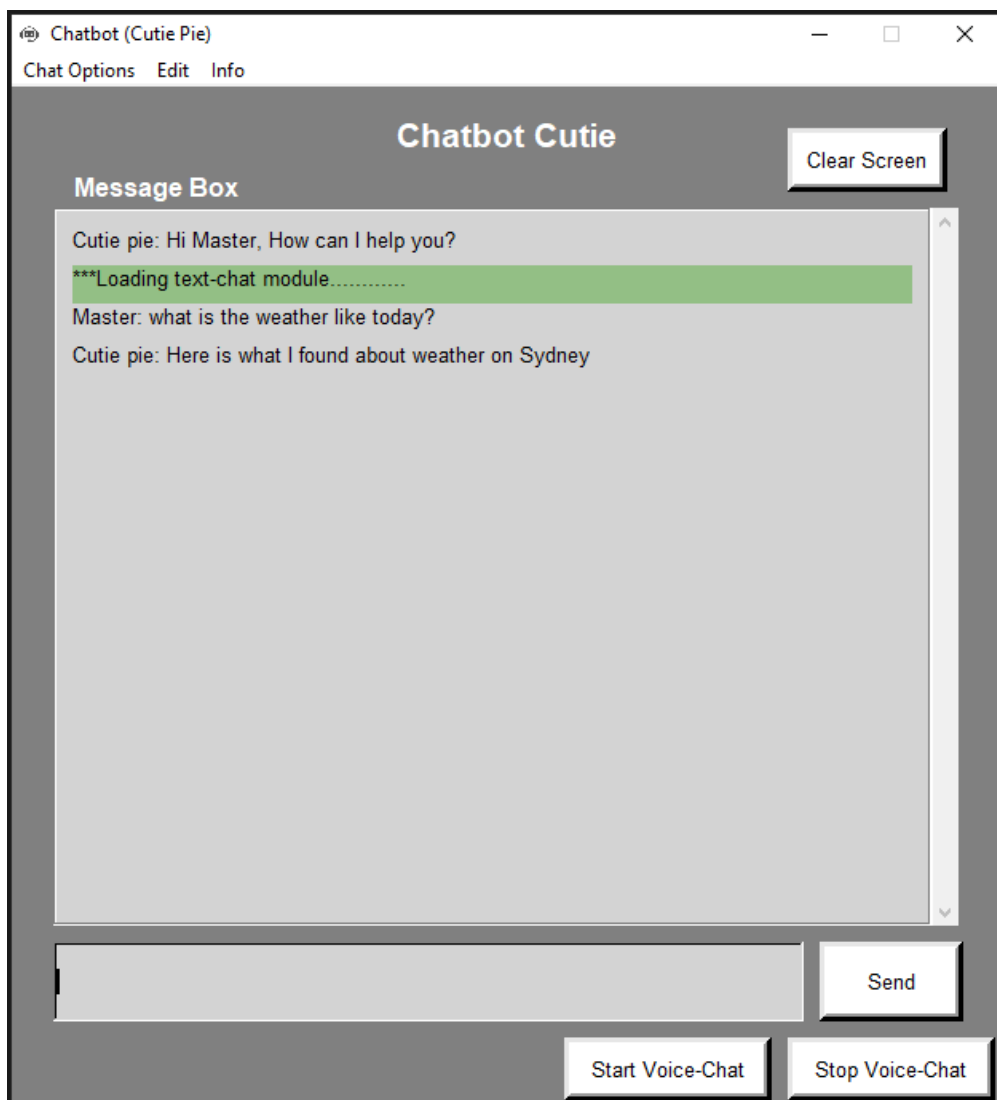

Figure 9: Chat Edit Menu

The 'Chat Fonts' and 'Themes' options contain options to change fonts and themes respectively.

Figure 10: 'Chat Fonts' and 'Themes' Options

Example: Changing the theme to the Chatbot Page to 'Grey'

Figure 11: Theme Changed to 'Grey'

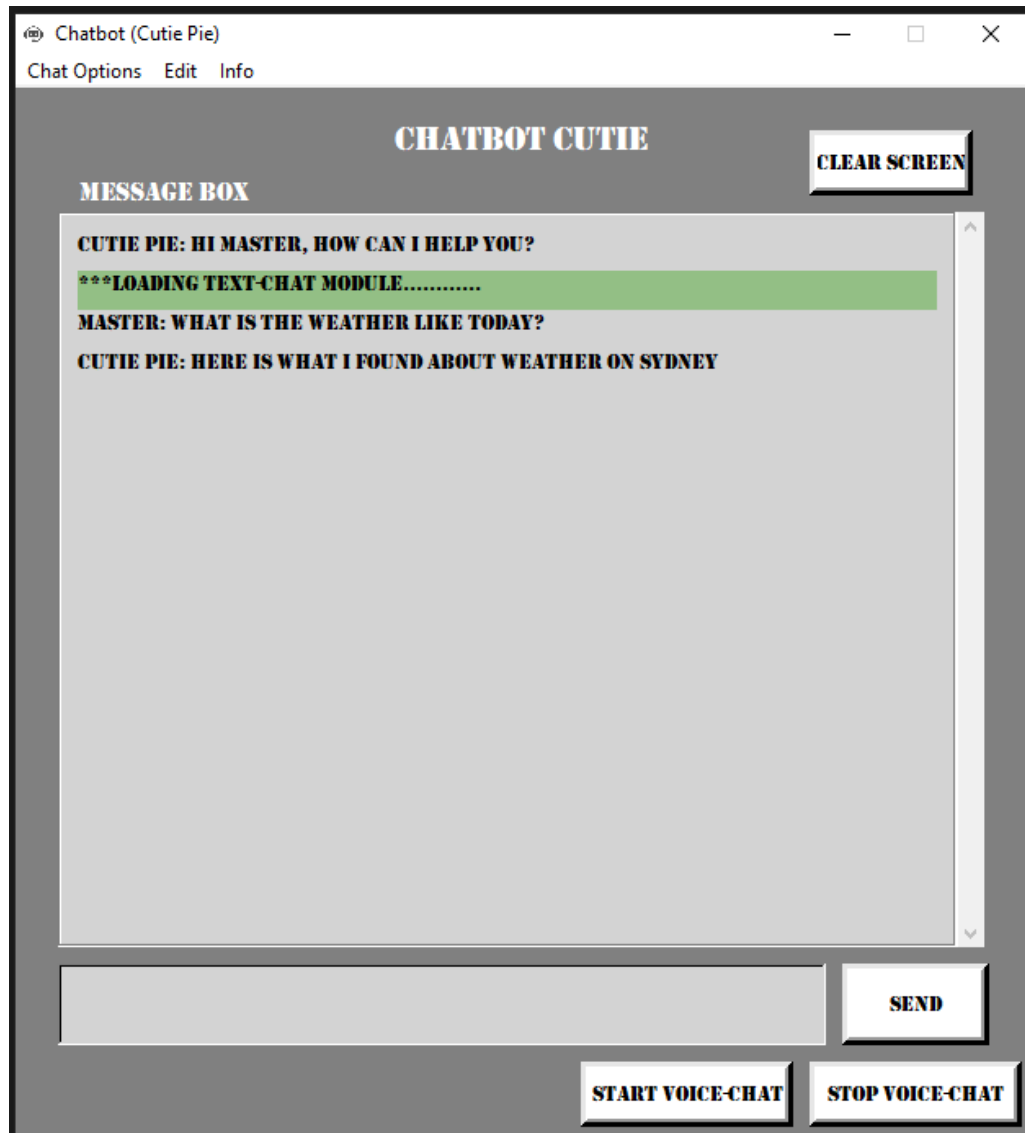Example: Changing the font style of the message box to 'Stencil'

Figure 12: Chaning Font Style to 'Stencil'

3. <u>Info Menu</u>: cascades 'Creators' and 'Help' options that provides information to the user.
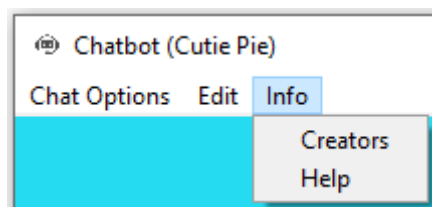

Figure 13: Info Menu

The 'Creators' option provides information about the creators of Chatbot Cutie and the 'Help' option provides details about the Chatbot.
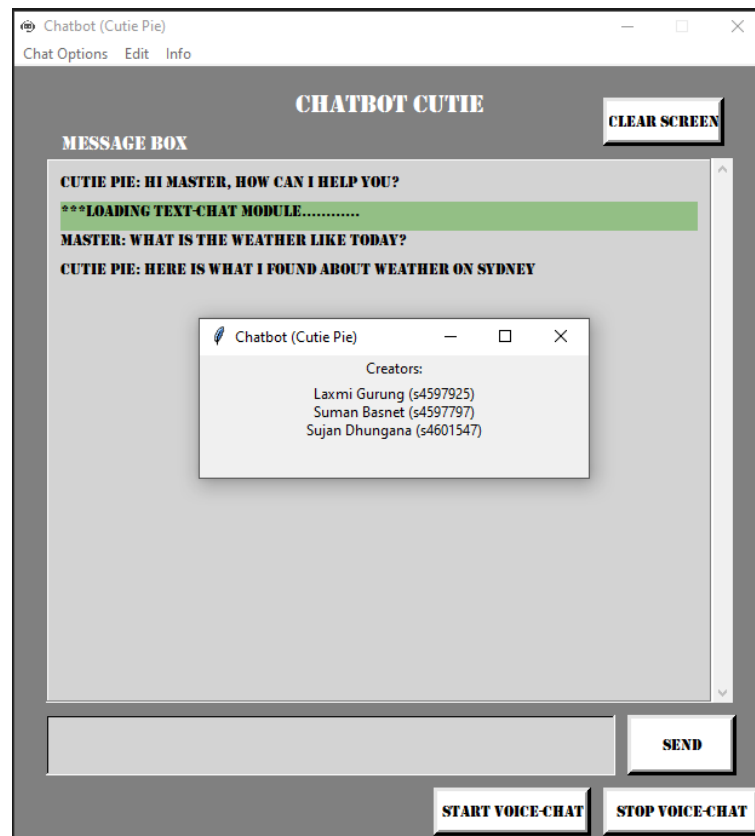
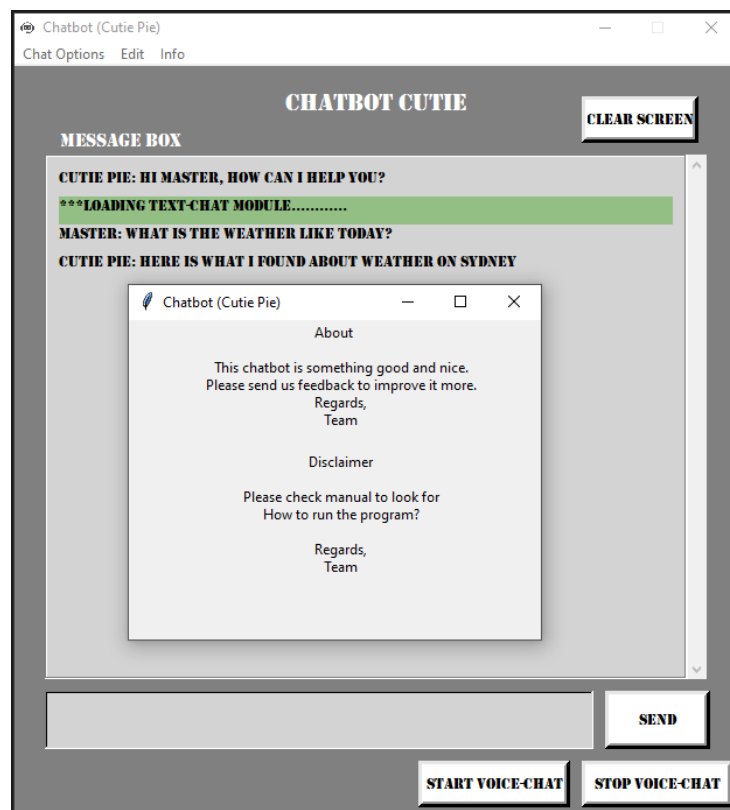*Figure 14: Creators Option Pop-Up*

Figure 15: Help Option Pop-Up

6. Chatbot Cutie Chat Functions

Chatbot Cutie is integrated with a diverse set of chat functions that respond to keywords in the conversation so that it can tend to users' various needs accurately. For example, if the user says or types "Hi", Chatbot Cutie will reply with a greeting.

Table -- contains the chat functions available in Chatbot Cutie

Keywords	Chat Function
"hey", "hi", "hello"	Greets user
"how are you", "what's up"	Greets user
"nice", "fine", "I'm good", "thank you"	Greets user
"joke", "jokes", "make me laugh"	Tells a joke
"what is your name", "what's your name", "tell me your name"	Says chatbot's name
"what is my name", "what's my name", "tell me my name"	Tells user's name
"change my name"	Changes user's name
"exit", "quit", "goodbye", "bye", "bye bye"	Exits the program
"what's the time", "what is the time", "what is current time", "tell me the time", "what time"	Tells the time
"what's the date", "what is the date", "what is today's date", "tell me the date", "what date"	Reports the date
"search for", "search"	Performs a Google search
"YouTube"	Executes a YouTube search Additional function: selects the exact video and plays it with a voice command.

	(Example: say '1' to play the video at the top of the search result, '2' for the second video and so on.)
"game"	Plays a game of "Rock, Paper, Scissors"
"capture my screen", "screenshot"	Takes a screenshot
"plus", "minus", "multiply", "divide", "power", "+", "-", "x", "*". "/", "add", "subtract"	Performs a simple mathematical calculation
"price of", "price for", "price"	Searches Google for the price of the specified product
"weather"	Informs user of the current weather forecast
"definition", "definitions", "what is"	Searched Google for the definition of the mentioned word
"go to background", "goto background", "go background"	Goes to background and only responses back when called out by Chatbot's name
"app", "application"	Open an application
"sing me a song", "play a song", "play song"	Plays a song

Table 7: List of Chatbot Functions

7. System Troubleshooting

1. The application is freezing, what do I do?

   Ans: Please restart the application

2. Why is the application not producing any sound?

   Ans: Check your computer's speaker configuration

3. Why is the application not picking up my microphone signal?

Ans: Make sure that only your default microphone is the one you are using. You can check your microphone with the following steps:

- ➢ Search for the sound settings in the windows search
- ➢ In the sound settings, click the sound control panel in related settings
- ➢ The sound control panel will provide you with all the information regarding speaker and microphone configuration

4. Why is the application saying that there is no internet connection and that the voice-based conversation is not working?

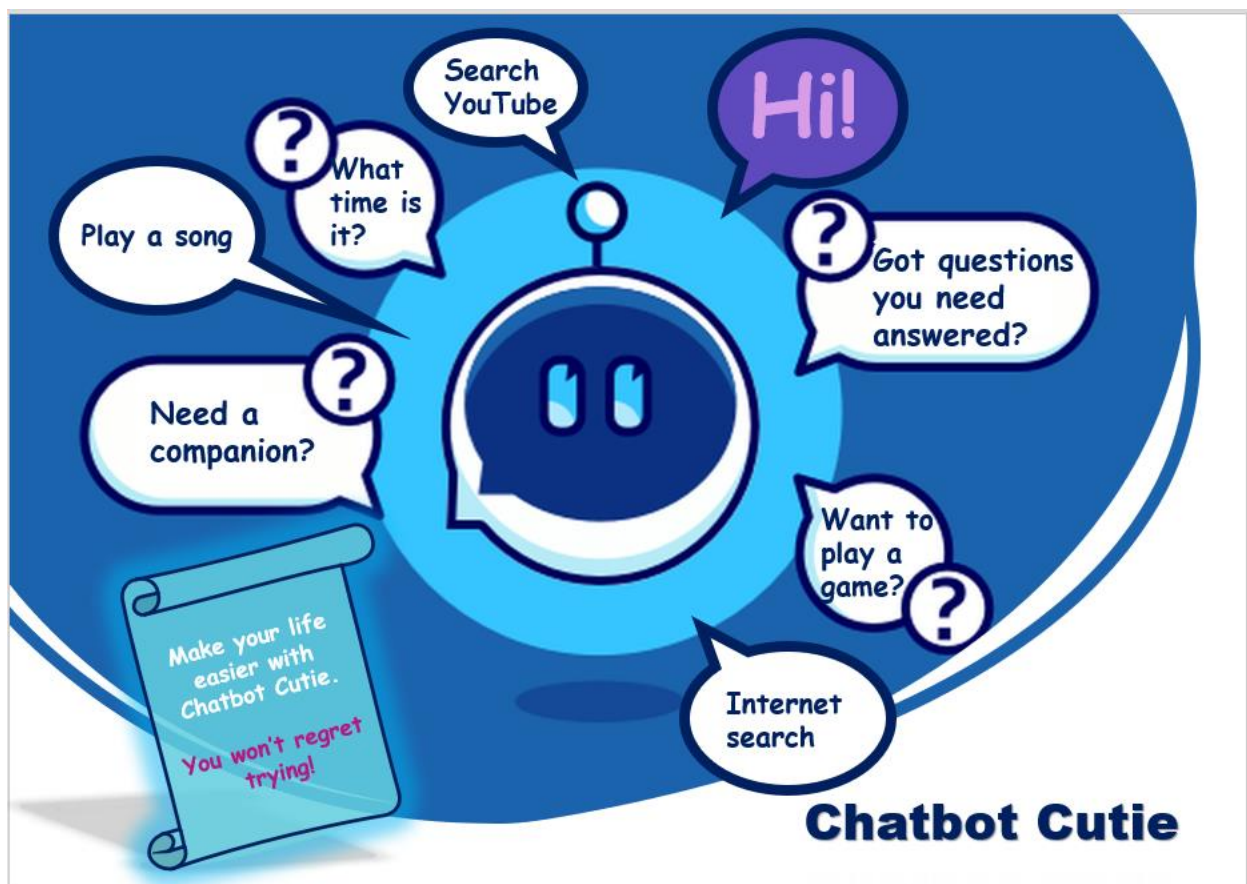   **Ans**: Do not worry, the application can run in offline mode with a text-based module.

POSTER

Figure 16: Poster (Chatbot Cutie)