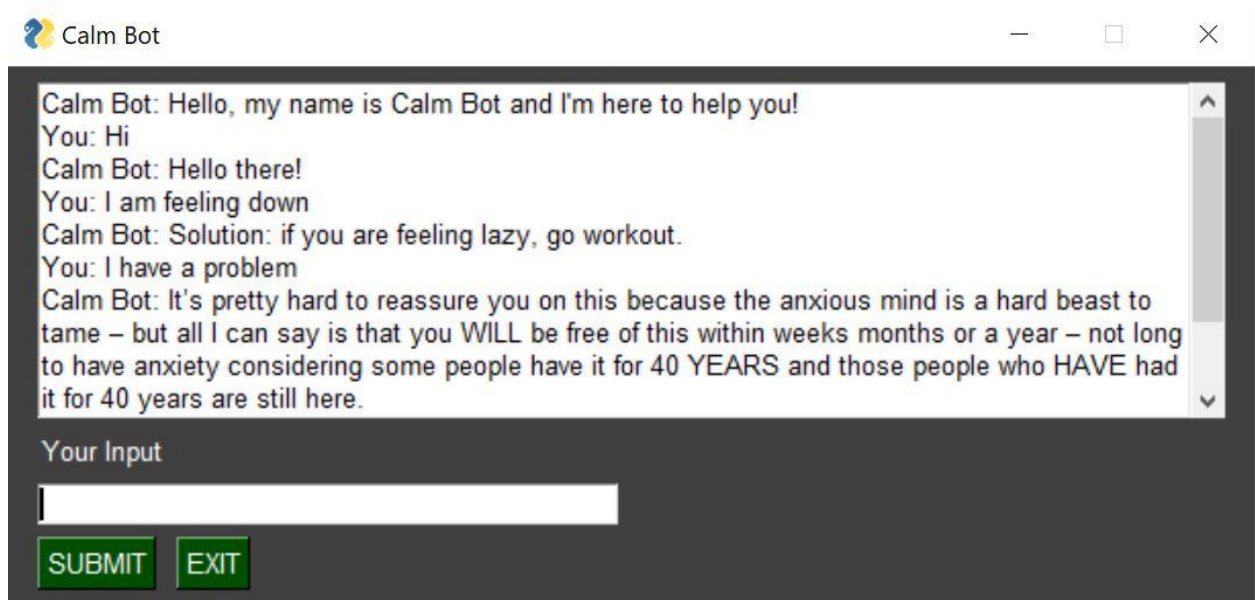


## Assignment 3 - An Interactive Conversational Agent

Sample Output from our program:



The screenshot shows a chat window titled "Calm Bot" with a standard Windows-style title bar (minimize, maximize, close buttons). The chat history is as follows:

- Calm Bot: Hello, my name is Calm Bot and I'm here to help you!
- You: Hi
- Calm Bot: Hello there!
- You: I am feeling down
- Calm Bot: Solution: if you are feeling lazy, go workout.
- You: I have a problem
- Calm Bot: It's pretty hard to reassure you on this because the anxious mind is a hard beast to tame – but all I can say is that you WILL be free of this within weeks months or a year – not long to have anxiety considering some people have it for 40 YEARS and those people who HAVE had it for 40 years are still here.

Below the chat history is a text input field labeled "Your Input". At the bottom of the window are two green buttons: "SUBMIT" and "EXIT".

*Calm Bot: Hello, my name is Calm Bot and I'm here to help you!*

*You: Hi*

*You: I am feeling down*

*Negative*

*Calm Bot: Solution: if you are feeling lazy, go workout.*

*You: I have a problem*

*Calm Bot: It's pretty hard to reassure you on this because the anxious mind is a hard beast to tame – but all I can say is that you WILL be free of this within weeks months or a year – not long to have anxiety considering some people have it for 40 YEARS and those people who HAVE had it for 40 years are still here.*

*You: that doesn't make me feel better*

*Negative*

*Calm Bot: Solution: if you are feeling sad, do something that makes you happy.*

*You: thats true, what do you suggest?*

*Negative*

*Calm Bot: Solution: if you are feeling sad, do something that makes you happy.*

*You: Food and friends makes me happy*

*Positive*

*Calm Bot: You WILL keep making progress and I'm here to help you all the way through it!*

*You: I guess I can try and spend more time with my friends*

*Negative*

*Calm Bot: Remember that improving takes time and you should be gentle with yourself.*

*You: Thats true, I shouldn't try to rush anything. Its just that i feel depressed on and off*

*Negative*

*Calm Bot: That's it!!*

*You: I feel crazy sometimes*

*Negative*

*Calm Bot: It is okay to feel lonely, we all do sometimes.*

*You: not to mention I am super stressed from school*

*Positive*

*Calm Bot: I am here to help you get better.*

*You: I feel like i need a logn break from everything*

*Negative*

*Calm Bot: Solution: if you are feeling lazy, go workout.*

*You: but i feel like that could negativ affect me*

*Negative*

*Calm Bot: That's it!!*

*You: Thanks for the tip, i feel a tiny bit better now*

*Positive*

*Calm Bot: Our minds need a lot of convincing and it will take some time for these feelings to subside.*

*You: thats very true, i'll keep that in mind the next time i feel down*

*Positive*

*Calm Bot: Keep in mind that fight or flight is not like a disease – it is a perfectly normal physical response – just in your case it is being triggered through fear cycles – but it's not 'against' the body – in fact it's trying to PROTECT the body I know how you feel and you just have to realize it's your body going into fight or flight that's spiking your anxiety.*

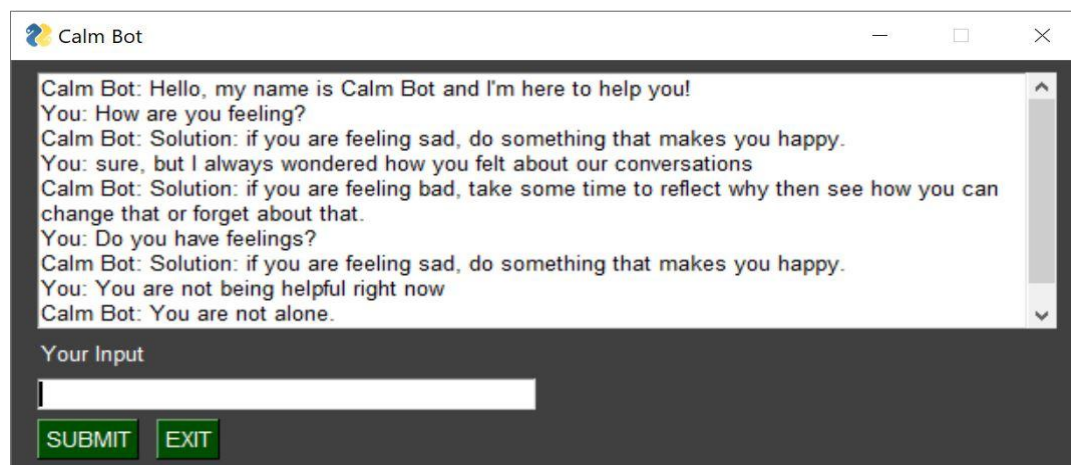
*You: thats very true*

*Negative*

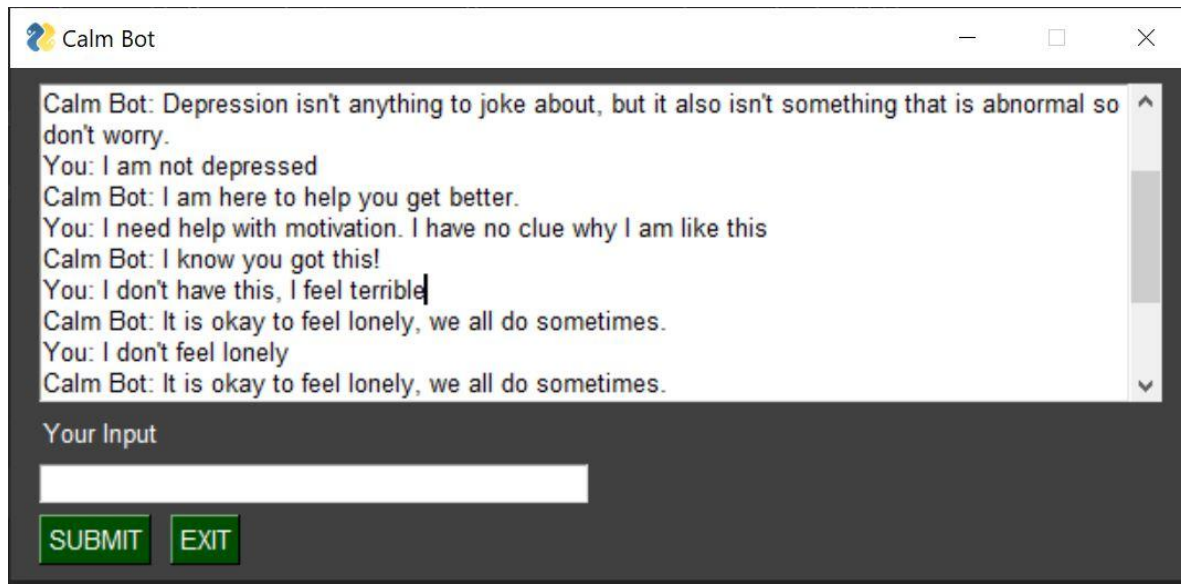
*Calm Bot: That's it!!*

*You: thanks Calm bot*

## Examples of Limitations in Calm Bot:



- Here we can see that our chat-bot is incapable of offering sentiments about itself. This could potentially be a feature that really improves the the chat-bot experience for many people.



- Here is an example of Calm-bot lacking the proper vocabulary and understanding for nuanced replies.

Based on your system, include a list of at least 5 features that you can extract from your code or design that can be shared with others as an API.