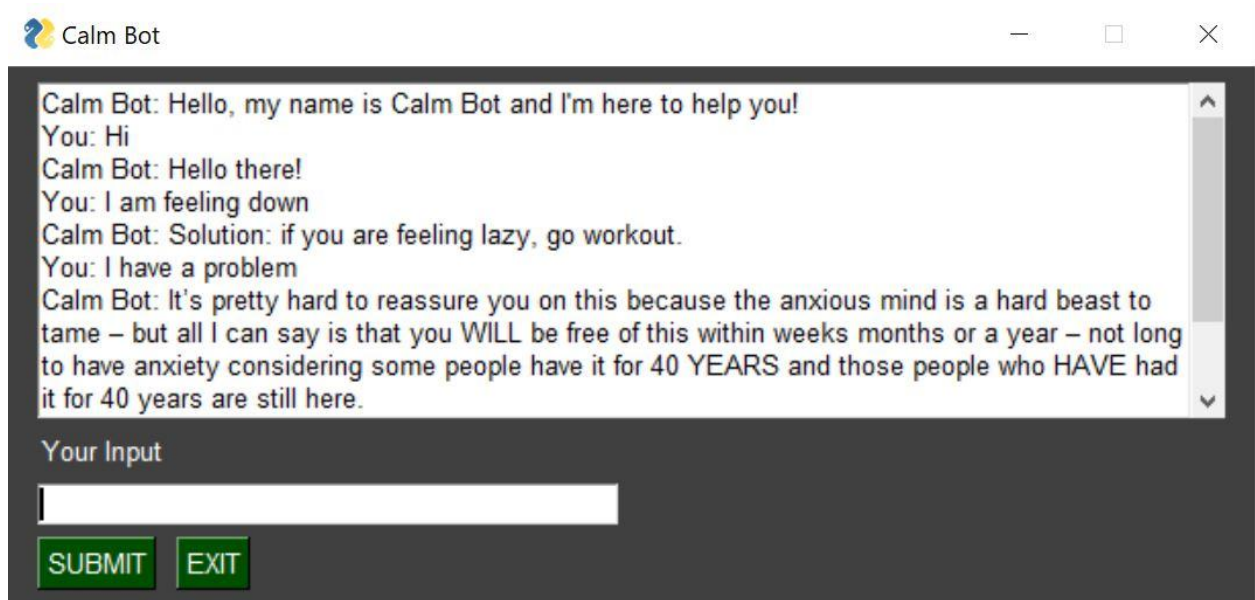


Assignment 3 - An Interactive Conversational Agent

Sample Output from our program:



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.

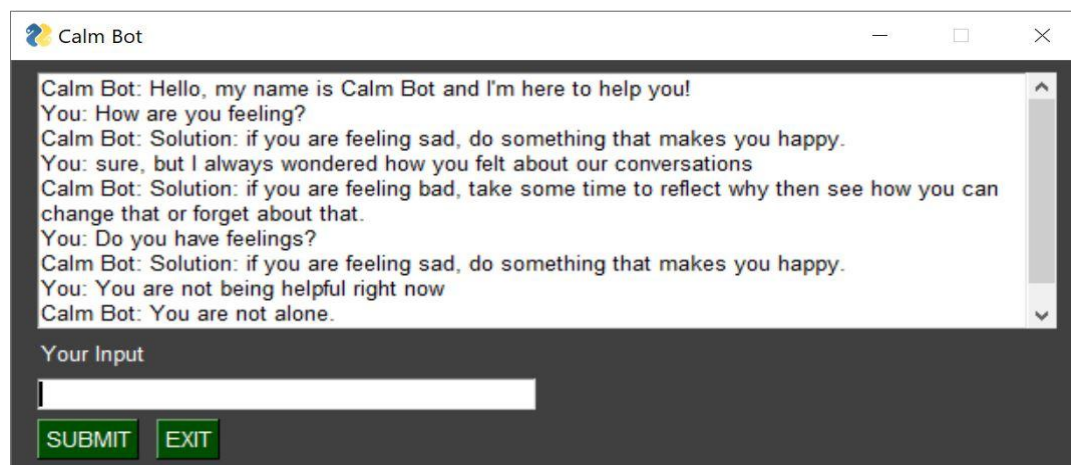
You: thats very true

Negative

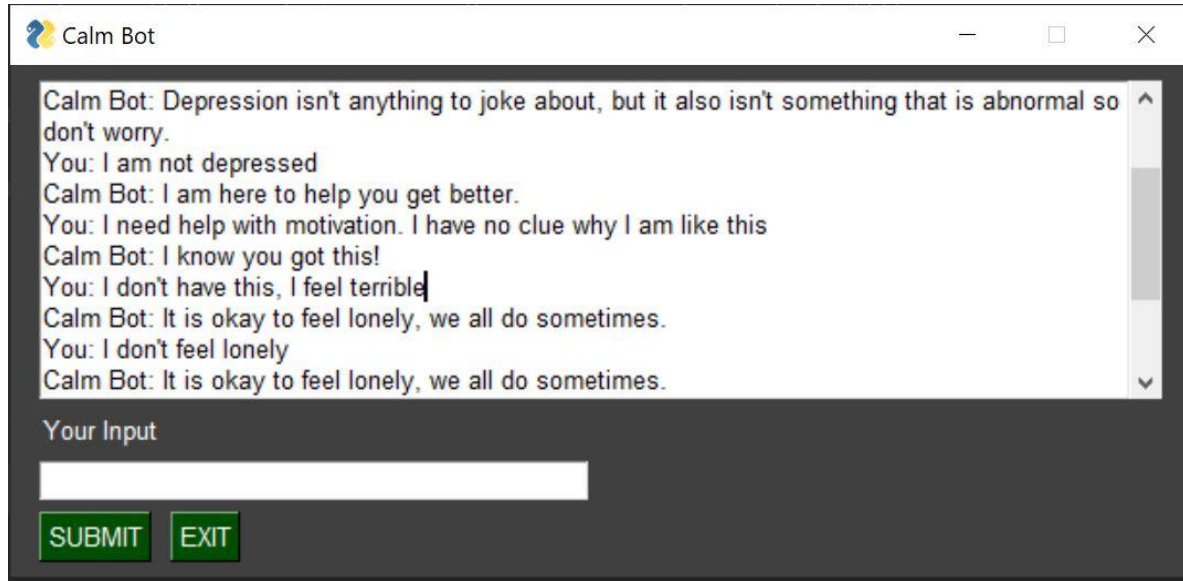
Calm Bot: That's it!!

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.

- The overall backend of our project could be used in an API which aggregates human-like responses.
- The POS is a very versatile feature that could be used to find similar words using grammar and contextual clues.
- Our spell checker could be a feature useful in an external API
- Our GUI could be shared with an external API
- Our Synonym recognition is a powerful feature which finds synonyms to gain context.