Scope of Work for pinecone

**-Add all my various data to pinecone Index**

**-Make it able to use with a chat bot agent. Make sure it works with the sample questions I provide**

**-Create a tool using my function that will add youtube transcripts to our vector knowledge base**

In my Slack app I am using the conversational agent from langchain. I am open to what ever chain or agent you suggest it just needs to answer questions, have memory of last 3 message, be able to use tools, and have our knowledge base from pinecone

        # create our agent

        self.conversational\_agent = initialize\_agent(

            agent='chat-conversational-react-description',

            tools=tools,

            llm=turbo\_llm,

            verbose=True,

            max\_iterations=3,

            early\_stopping\_method='generate',

            memory=self.memory,

            chain\_type="stuff",

            retriever=vectorstore.as\_retriever(),

            chain\_type\_kwargs=chain\_type\_kwargs

        )

The data I am using is as follows

1. ~50k rows of amazon reviews along with the ASIN( this is identifier of the product reviewed), link to the review (Some rows are blank for this field) , Product title that got reviewed, star rating. CSV file
2. ~700 rows of product content info so asin, title, and descriptions
3. 1 pages doc of common SQL queries used with a SQL DB to pull various data
4. Some product questions and answers from Amazon
5. Youtube transcripts of a podcast (I wish for this to be able to update) so like I want a tool that lets me pass a youtube link into the function and function outputs transcript and then we add the transcript to knowledge base so user can ask questions about it. I can provide the code on creating the transcript. (Link to documentation of what I use here -> <https://pypi.org/project/youtube-transcript-api/>)

So my desire is that the user will be able to ask the following questions and it will answer appropriately

1. For the brand Designs For Health please tell me some questions that are not answered
2. For ASIN B07BQJ3T5D tell me some common complaints customers have
3. For ASIN B07BQJ3T5D what are the pros and cons of this product
4. Using the reviews can you please rewrite the title and description of ASIN B07BQJ3T5D use the keyword “pre workout with creatine” in your copywriting. Also try to address pain points of customers and incorporate features that customers liked from reviews for this product in the listing.
5. For ASIN B07BQJ3T5D, can you please write answers to some of the unanswered questions
6. For the Total War line can you please give me a few of the most positive reviews to quote in our marketing please also provide links
7. Give me the SQL query to get products
8. Get ASINs, and SKUs for brandid 1
9. Add this video transcript <https://www.youtube.com/watch?v=_ltcLEM-5HU&ab_channel=AndrewHuberman>
10. Summarize the key points from the video Dr. Jeffrey Goldberg: How to Improve Your Eye Health & Offset Vision Loss | Huberman Lab Podcast
11. If I am a supplement seller can you tell me some keywords that may get searched by viewers of Dr. Jeffrey Goldberg: How to Improve Your Eye Health & Offset Vision Loss | Huberman Lab Podcast

**Additional Remarks:**

-Do not worry about integration of slack you can use Jupyter notebook, and just work on getting the function as a tool working and the knowledge base added through jupyter + working.

-All api keys needed are in the jupyter notebook

**Potential Future Work**

-May need further support on this project will let you know

-If interested in teaching I am willing to hire you weekly to teach me about vector DB, langchain and other topics over zoom