ChatGPT with PDF Project Specifications

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Objective

- Build an API that powers a site that lets users chat with documents
- The site will allow a user to submit the PDF documents and be able to chat with the document by asking questions about it
  - Very similar to https://www.chatpdf.com/ and https://pdfgpt.io/
- Developers will be able to sign up for an API key and call the same API that powers the site so they can send API requests by submitting the location of the PDF file and then questions against the file submitted

Requirements

- Use this as the base to start
  - https://github.com/mayooear/gpt4-pdf-chatbot-langchain
- Add ability to for guest users (no registration) to upload a PDF file/link to a PDF file
- User can chat with the file in the UI provided in the base GitHub code above
- Files will be saved for 3-days before they are automatically deleted
- Questions and answers will be saved for 30-days before they are auto deleted
- Registered users, who for now we will assume are developers, would be able to click to request and receive an API key so they can use the API version
  - API version works the same way but they would submit the URL of the PDF file, submit the question via API, then receive the answers back via API
- Use the OpenAI API, will provide you with an API key, https://platform.openai.com/docs/api-reference
- Potentially other helpful links
  - https://blog.devgenius.io/chat-with-document-s-using-openai-chatgpt-api-and-text-embedding-6a0ce3dc8bc8
  - https://github.com/muratali016/Chatgpt-document-pdf-based-chatbot-pdf-summarizer

Questions

- What would you suggest for hosting this site that is cost effective and easy to manage?