

RAG Conversational App Documentation

The RAG Conversational App allows users to upload PDF files, ask questions related to the content, and receive responses from an AI assistant. This documentation outlines the steps for using the application effectively.

Accessing the Application

Launch the application by navigating to “<http://localhost:8501>” in your web browser after running the Streamlit app or Docker container.

Uploading Files

Step 1: Locate the Sidebar

On the left side of the application, you will see a sidebar labeled "Upload PDF File."

Step 2: Upload a PDF File

1. Click on the "Upload a PDF file" button.
2. A file dialog will appear. Select the PDF file you wish to upload.
3. Once selected, the application will process the PDF, splitting it into manageable chunks for question answering.

Asking Questions

Step 1: Input Your Question

In the main area of the application, you will find a text input box labeled "Ask a question..." at the bottom of the page.

Step 2: Submit Your Question

1. Click on the input box and type your question related to the content of the uploaded PDF.
2. Press Enter to submit your question.

Viewing the Bot's Responses

Step 1: Check the Conversation History

After submitting your question, the bot's response will appear in the chat interface below your input. You can view the entire conversation history, including both your questions and the assistant's answers.

Step 2: Interaction

You can continue the conversation by asking follow-up questions or clarifications. Simply type your new question in the input box and hit Enter.

Example Interaction

1. Upload a PDF: User uploads a document titled "Project Report."
2. Ask a Question: User types "What are the main objectives outlined in the report?" and presses Enter.
3. View Response: The assistant responds with the relevant information extracted from the "Project Report."

Additional Notes

Error Handling: If the assistant cannot find relevant information in the uploaded PDF, it will respond with a message "I do not know" indicating that it does not have enough information to answer.

Session State: The conversation history is maintained throughout your session, allowing you to scroll back and review previous questions and answers.

Conclusion

The RAG Conversational App provides a user-friendly interface for interacting with uploaded documents. By following the steps outlined in this documentation, you can easily upload files, ask questions, and receive responses tailored to the content of your documents.