RAG Chatbot Setup Guide

Prerequisites

Ensure you have the following installed:

- Python 3.11.10
- Internet connection for downloading dependencies and models

Step-by-Step Setup

1. Create a Virtual Environment

It's recommended to create a virtual environment to isolate your project dependencies. Run the following commands to set it up:

Install virtualenv if you don't have it:
pip install virtualenv

Create a virtual environment:
python3.11 -m venv venv

Activate the virtual environment:
On Linux/Mac:
source venv/bin/activate

2. Install Required Packages

The required Python packages are listed in the `requirements.txt` file. Install them by running:

pip install -r requirements.txt

3. Install spaCy Model

During setup, spaCy's language model is needed. When prompted to install the model, run the following command:

python3 -m spacy download en_core_web_sm

This will download and install the small English model required for text processing.

4. Run the Chatbot

Once all dependencies are installed, you can start the RAG chatbot. To Do that, open the app.ipynb file and when you go though it, you will see a cell that when executed will allow you to input prompts and generate responses from the data provided.

Troubleshooting Tips

- If any package fails to install, check the error message and install the package manually using `pip install <package_name>`.
- Ensure Python 3.11.10 is correctly installed.