Task 3 Report

Technologies being used

1. OpenAI
2. LangChain

Architecture

Retrieval augmented generation with chat history. Loan details are stored in a vector database as embeddings to retrieve as the context.

How to run

1. Install dependencies using
       pip install -r req.txt
2. Rename example.env to .env and add an OpenAI API KEY
3. Run
       python main.py

Example

```
(venv) thathsara@ThathsarasMBP2 Intellihack_Rizzmoid_3 % python main.py
 Ignoring wrong pointing object 7 0 (offset 0)
 Ignoring wrong pointing object 10 0 (offset 0)
 Ignoring wrong pointing object 15 0 (offset 0)

Enter your question: Hi
Parent run eb9a3b17-5ef0-467e-ac26-89cab48f659e not found for run 0f450ce6-3ec4-4acb-aa3f-6fbb71448874. Treating as a root run.

#########
 Hello! How can I assist you today?
#########

Enter your question: I want to get a loan
Parent run e50c4d90-8036-4031-b6bf-1746994147cc not found for run 21b2bae3-de37-49b1-a431-dd6b5337cd7c. Treating as a root run.

#########
 Sure, I can help you with that. What type of loan are you interested in?
#########

Enter your question: What types do you have
Parent run 753c88fb-dd01-4399-8cbb-0407335a946f not found for run 207741ef-249e-4799-b96f-7a7bf1e9a0bd. Treating as a root run.

#########
 Smart bank mainly offers 5 types of loan schemes:
1. Overdraft Facilities
2. Housing Loans
3. Education Loans
4. Pensioners' Loans
5. Personal Loans

Let me know if you need more details on any of these options!
#########

Enter your question: 5
Parent run 5aaf5cfe-e893-4eb2-96dd-ac84b5cde23f not found for run 87910910-bdad-42f3-aee6-8f1266e6a4ad. Treating as a root run.

#########
 The Personal Loans offered by Smart Bank provide financial support for various personal needs. If you have specific questions about the Personal Loans, feel free to ask!
#########

Enter your question: How do i become eligible?
Parent run fdd608ac-8fc8-4879-a160-131a7e473f79 not found for run 55a27f87-7661-4585-a8bf-6d2bb5c05c6e. Treating as a root run.

#########
 To be eligible for a Personal Loan from Smart Bank, you typically need to meet the following criteria:
- Be in the age group of 18-55 (Applicants over 55 can be considered under special circumstances)
- Be a salaried employee belonging to specific categories
- Have a good credit history and meet the bank's income and employment requirements

If you have any specific questions about eligibility criteria or the application process, feel free to ask!
#########

Enter your question: █
```