

Exercise 5A: Financial Chatbot

MGMT 675: Generative AI for Finance

Build a custom financial chatbot as a Streamlit app using the OpenRouter API with a free model (e.g., `mistralai/mistral-7b-instruct:free`).

The chatbot should:

1. **Connect to a financial dataset** (a CSV file or small database)
2. **Include a system prompt** with schema knowledge and domain expertise — tell the model what columns exist, what the data represents, and how to answer questions
3. **Let users ask questions in English** and display results

You can ask Claude Code to build the entire app for you. Focus on writing a good system prompt — this is where the skill concepts from Module 5 apply.

Test with at least 5 financial questions and evaluate the quality of the answers.

Deliverables.

- Code (5A-Code.zip)
- Screenshot of the running app showing at least 3 exchanges (5A-Screenshot.png)
- Evaluation of answer quality (5A-Evaluation.pdf, half page)