Hobglobin Take-Home Assessment

**Deadline:** 7 days from the received date

## Instructions

### Problem Statement

We are looking for an LLM-based solution to assist users in drafting project proposals from project documents.

Your task is to build a Retrieval-Augmented Generation (RAG) pipeline, using a framework of your choice, that can:

1. Generate **“fine-prints”** – key details in the documents that are critical for drafting project proposals.
2. Provide a **chatbot endpoint** to interact with the documents and answer user queries.

The provided data folder contains PDF files that should be used as the knowledge base (context) for your solution.

You may use any Large Language Model (LLM) of your choice. If you prefer not to self-host an LLM and would rather use an API, you may obtain a free Gemini API key, which is sufficient for this assessment: [Get a Gemini API key | Google AI for Developers](https://ai.google.dev/gemini-api/docs/api-key)

### Technical Requirements

* Programming Language: Python
* API Framework: FastAPI
* LLM: Any of your choice

Your solution must expose **two FastAPI endpoints**:

1. **GET /fine-prints** – Returns the extracted fine-prints from the documents.
2. **POST /chat** – Accepts user queries and returns responses from the chatbot.

We recommend spending **no more than half a day** on this project. We are evaluating your approach, design choices, and ability to deliver a working MVP—not a production-ready product.

### **Submission Requirements**

Submit a **ZIP file** containing:

* Your codebase.
* A README.md file with clear instructions on how to run the project and any dependencies.
* A chat\_response.txt file with your responses to the sample questions provided in sample\_questions.txt (using your /chat endpoint).
* A fine\_prints.txt file with the extracted fine-prints generated from the documents.

Additional requirements:

* Ensure the code runs locally, and we can verify the endpoints and outputs.
* **Important:** Remove all credentials (e.g., API keys) before submission.