**Hilal Bot**

**Chatbot & Report Generation**

Project Log

***18th May, 2024***

Consultancy Phase

1. Reviewed the existing codebase to gain an overall understanding of the project and developed features.
2. Integrated the necessary API keys to reproduce results and verify the functionality of previously implemented features.
3. Refactored and cleaned the existing codebase, converting it to an object-oriented structure to enhance readability and extensibility.

***24th May, 2024***

Development

1. Started work on **Task 1**, which included overall refinement of prompt for better and consistent reports.
2. Did prompt engineering to ensure consistent report, similar to the sample review report shared.
3. Next, overall changed the scraping to ensure the user input/token is searched against all relevant sites (coingecko, coinmarketcap, etc.) to gather/scrap enough information of the token its protocol and white paper and other docs.
4. Tested different scraping approaches to decide which one would be the best for our use case.
5. Combined the overall code and debugged and tested each module individually to ensure correctness.

***25th May, 2024***

Development

1. Started work on **Task 2**, which included overall refinement of chatbot for better and consistent responses from 150+ reports and conceptual data.
2. Refactored the overall code flow, to ensure if the question being asked is irrelevant in terms of vector database formed from training data, then it should do not answer ambiguously.
3. Combined the overall code and debugged and tested each module individually to ensure correctness.

***28th May, 2024***

Testing/Documentation

1. Documented the overall process in workflow documentation, to ensure and keep the client in loop, and responded to relevant queries asked by the client answering in a satisfying way by explaining the overall flow.
2. Did a Testing/QA session to ensure the code for both the **Task 1 and 2** is correct and working as intended.
3. Did a final review and pushed the code to *git*.