**Team Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Project Goal**

The primary goal of this project is to develop a GPTChat bot that enhances user interaction by structuring and processing queries efficiently. The project aims to achieve the following objectives:

* Implement a function to check and format user questions into an accepted structure.
* Develop a mechanism to send properly formatted queries to GPTChat for processing.
* Create a Flask-based web interface to collect and manage user inputs.
* Parse and display GPTChat responses in the required format to improve readability and usability.

**Project User Stories**

|  |  |
| --- | --- |
| **User Story** | **Description** |
| As a user, I want to input a query so that GPTChat can process and respond accordingly. | Implement a function to validate and format user queries. |
| As a developer, I want the GPTChat bot to send properly structured requests so that responses are accurate. | Develop a request function that ensures correct formatting. |
| As a user, I want a web interface to submit queries and receive responses. | Build a Flask-based web platform to collect inputs. |
| As a user, I want GPTChat responses to be structured and readable. | Implement a function to parse responses into a clean format. |

**Team Member Roles and Assigned Tasks**

|  |  |
| --- | --- |
| Team Member | Role & Assigned Tasks |
| Gabbasov Batyrgali | Backend Developer - Implement GPTChat request handling and response parsing. |
| Sherinbet Zhantore | Project Manager & API Developer - Manage team progress and develop API integration. |
| Dosmakhanbet Arsen | Web Developer - Develop Flask-based web interface and user interaction. |
| Suleumanov Nurzat | Tester & Debugger - Test each function and ensure the system operates smoothly. |

**Proof of Concept**

Each team member will test their assigned tasks using a test-driven approach:

* **Gabbasov Batyrgali:** Test if queries are correctly formatted before sending requests.
* **Sherinbet Zhantore:** Verify API requests return expected results from GPTChat.
* **Dosmakhanbet Arsen:** Check if the Flask web interface correctly collects user input.
* **Suleumanov Nurzat:** Ensure responses are parsed correctly and displayed in the desired format.

**Using GitHub for Collaboration**

**GitHub Repository Link:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**a. Master Branch**

* The master branch contains the final, stable version of the project.
* All reviewed and tested features are merged here.
* Documentation and setup guides are included.

**b. Feature Branches**

* Each team member creates a feature branch for their tasks.
* Changes are committed regularly and reviewed before merging into the master branch.
* Naming conventions: feature-api, feature-web, feature-format, etc.

**Final Deliverables**

**Presentation in Class**

Your presentation should include:

* **Project Overview**: Objectives, business value, and key features.
* **Feature Selection Justification**: Why specific functionalities were implemented.
* **GitHub Repository Details**: Including comments and documentation for future development.
* **Future Enhancements**: Features planned for later development.
* **Reflection**: Challenges faced, solutions found, and lessons learned.