**GitLab Issues:**

As of this week, we closed a series of issues, including work design & distribution and test.

We opened a series of issues, mainly about the task that our team needs to complete next week, including 1. Design "Login + Main page + Register" front end page, 2. Front-end design additional task + Interaction, 3. Design "Login + Main page + Register" Back-end page, 4. Design "Login + Main page + Register" Data Base.

**UML use case and class diagrams:**

**图示

描述已自动生成**

**图示

描述已自动生成**

**Sprint Review:**

During Sprint 2, our team achieved significant progress. We have divided the tasks. Yuqi Wang led our front-end development, ensuring a user-friendly interface. Yutong Amber Sun managed front and back end integration, working closely with the front-end team. The backend was developed by Yino Yan and Zichao Chen, who established our server-side operations. Leyao Jia was responsible for the database and its backend integration, setting up a robust data management system. We also managed GitLab issues effectively, opening and closing two issues to streamline development. Furthermore, we updated the UML use case and class diagrams, reflecting our current system architecture and aiding in project communication.

**Sprint Retrospective:**

In this week's Sprint Retrospective, we reviewed our task of generating a user login and registration page for our stock trading website. The greatest achievement of the week was the effective distribution of tasks among team members, where everyone found a segment they were interested in and skilled at, significantly boosting work efficiency and team morale. However, our main challenge was a lack of familiarity with the processes and technologies involved in frontend and backend interaction, which became an obstacle in our implementation process. To overcome this issue, the team plans to enhance our capabilities by thoroughly reading relevant technical documentation and engaging in technical exchanges, ensuring that we can effectively implement seamless frontend and backend integration. This experience has highlighted the importance of continuous learning and provided valuable insights for our future development work.

**Sprint Planning:**

This week, our Sprint Planning focuses on laying the foundational elements of our project by completing the login and registration interfaces and establishing a user database. The tasks have been meticulously divided as follows:

Frontend Design: We aim to craft the user interface for essential pages such as login, registration, and the homepage.

Backend Development: The focus will be on writing the support code necessary for the functionality of the aforementioned interfaces, ensuring a robust backend system.

Database Management: Our goal is to organize and categorize data efficiently. This includes creating a structured database for user information and stock data, facilitating easy access and management.

Integration and Interaction: connect the frontend with the backend, enabling the seamless operation of the interfaces we develop.