

Teamwork Reflection

By: Haobo Yuan

1. Individual Peer Evaluations

1.1 Team Member 1: Su Zhang

Positive Attributes:

1. **Strong Code Organization Skills:** Sue's backend code was well-structured and logically segmented, making the system easier to maintain and expand.
2. **Significant Contribution to Documentation:** Sue played a key role in organizing the README file, ensuring the project documentation was professional and user-friendly.
3. **Great Team Collaboration:** Actively communicated with team members to synchronize needs and progress, ensuring smooth integration across modules.

Areas for Improvement:

1. **Testing Coverage:** The description of backend testing cases in the README could include more details to ensure comprehensive coverage.
2. **Clarity in Video Technical Presentation:** Technical details in the video could be more concise to better highlight the system's core strengths.
3. **Limited Knowledge of Advanced Machine Learning:** The selected machine learning model was relatively common. Although the results were satisfactory, there is room for improvement in key metrics by leveraging more advanced techniques.

1.2 Team Member 2: Jiaxin Gao

Positive Attributes:

1. **Strong Data Processing Skills:** Cindy demonstrated excellent data processing capabilities during the backend data cleaning and analysis phase, ensuring the reliability of the system's foundational data.
2. **Efficient CI/CD Implementation:** Successfully implemented the CI/CD pipeline, automating build and testing processes, which significantly enhanced development efficiency.
3. **Excellent Video Editing:** Cindy's video editing ensured that the final demo was clear, concise, and visually engaging.

Areas for Improvement:

1. **Delayed Start in Backend Work:** While Cindy was actively involved during the project's initiation phase, the backend work started relatively late, which slightly tightened the timeline for subsequent deployment tasks.
2. **More Involvement in Frontend Testing:** Although primarily focused on backend development, more participation in frontend testing would have facilitated smoother integration.
3. **Documentation Details:** Some technical details in the CI/CD documentation could be expanded to make it more accessible for other team members.

1.3 Team Member 3: Xiangyu Wang

Positive Attributes:

1. **Strong AWS Deployment Skills:** Successfully used Terraform to deploy the project on AWS, showcasing deep knowledge of cloud infrastructure.
2. **Outstanding Performance Testing:** Ensured the system could handle 10,000 requests per second through Locust, validating the service's robustness and scalability.
3. **Strong Problem-Solving Abilities:** Quickly resolved technical challenges during deployment, ensuring timely project completion.

Areas for Improvement:

1. **Documentation Clarity:** The Terraform and performance testing documentation could be more detailed to help other team members better understand the configuration.
2. **More Cross-Module Collaboration:** Greater involvement in the integration of frontend and backend would have improved the overall system cohesion.
3. **Early Contribution in Project Planning:** Sam had limited opportunity to contribute ideas during the project planning phase. Given her extensive experience, her input at the outset could have further strengthened the project's direction and execution.

2. Peer Feedback Integration

The feedback from my teammates highlighted several consistent themes. They all recognized my strengths in project management, time planning, and documentation, which significantly contributed to the team's progress. My early preparatory work provided a solid foundation for the project, and my systematic organization of roles and tasks ensured smooth collaboration. However, there was a shared observation that my updates to the requirements and documentation could have been more frequent during later stages of the project to better align with evolving team needs.

There was some divergence in opinions regarding my approach to timeline management. While some teammates appreciated my proactive planning as a key factor in the project's success, others suggested aligning my pace more closely with the team's overall workflow.

Reflecting on this feedback, I am grateful for their recognition of my contributions and agree that adopting a more iterative and collaborative approach in future projects will help synchronize our efforts and improve overall efficiency.

3. Discussion Session Outcomes

Date of Session: Dec 11, 2024

The feedback discussion session was conducted on December 11, 2024. During the session, all members expressed satisfaction with the task distribution and highlighted that the roles were well-aligned with individual strengths. Everyone appreciated the tight collaboration and clear communication throughout the project, which led to a successful outcome that exceeded expectations.

As part of the discussion, the team collectively identified areas for improvement. We agreed that implementing features more incrementally could reduce the pressure during later stages of the project. Additionally, with more time, we believe we could further enhance the integration of front-end and back-end functionality and provide a more seamless user experience. Moving forward, the team committed to maintaining a regular feedback loop and addressing minor challenges early to sustain the high standard of collaboration achieved in this project.

4. Conclusion and Future Plans

This project demonstrated the team's ability to collaborate effectively and deliver a high-quality outcome. From task distribution to final integration, every team member fulfilled their responsibilities with dedication and precision. Our close coordination and clear communication allowed us to overcome technical challenges and meet project goals. Overall, this experience reinforced the value of teamwork and showed the strength of our collective efforts.

Looking ahead, we plan to implement several strategies to further enhance our collaboration. First, adopting more effective communication tools, such as task-tracking boards, will improve project transparency and ensure all members stay aligned. Additionally, scheduling regular synchronization meetings will help us adjust goals and share progress more efficiently. Finally, we aim to foster cross-functional collaboration by encouraging team members to explore different modules and technical areas. These steps will help us build on our strengths and achieve even greater success in future projects.