IDS706 Final Project Teamwork Reflection

Team Members: Zhenkai Zhu, Junpei Liao, Wenye Li, Zella Zhao

Part 1. Zella Zhao's Responsibility:

- README.md
  - A comprehensive README file that clearly explains what the project does, its dependencies, how to run the program, its limitations, potential areas for improvement, and how AI Pair Programming tools (Github Copilot and one more tool of your choice) were used in your development process.
- Architectural Diagram
  - A clear diagram representing the architecture of your application should be included in your project documentation.
- Quantitative Assessment
  - The project must include a quantitative assessment of its reliability and stability. You must use data science fundamentals to describe system performance, e.g., average latency per request at different levels of requests per second (100, 1000, etc.). Think of the software system as a data science problem that needs to be described using data science principles.

Part 2. Peer Evaluation(All members should get an A!):

For Zhenkai:
- Strengths:
  - Zhenkai demonstrated outstanding proficiency in understanding and implementing AWS infrastructure and cloud deployment strategies, ensuring applications were deployed with reliability and scalability.
  - He showed a strong commitment to system performance by conducting thorough load testing and providing actionable insights for optimizing the system.
  - Zhenkai displayed exceptional adaptability by effectively learning and integrating new technologies into the project, particularly in leveraging AWS services.
- Improvements:

- ○ While Zhenkai excels in technical execution, enhancing the documentation of AWS configurations and deployment workflows would greatly improve knowledge sharing within the team.
- ○ Improving the accuracy of time estimations for complex deployment tasks could help in better planning and execution.
- ○ Increasing the frequency of status updates would enhance team communication and keep everyone aligned on project progress.

For Junpei:
- ● Strengths:
  - ○ Junpei showcased exceptional technical expertise in developing applications and designing user interfaces, delivering high-quality results.
  - ○ He demonstrated strong communication skills by clearly articulating user interface concepts and the rationale behind design choices to team members.
  - ○ Junpei consistently adhered to project timelines by starting tasks early and maintaining a steady and reliable development pace.
- ● Improvements:
  - ○ Junpei's focus on perfection occasionally leads to overcomplication of straightforward features. Adopting an iterative approach with frequent team feedback could help streamline development while maintaining quality.
  - ○ Enhancing technical documentation with additional context and detailed explanations would improve maintainability and support future development efforts.
  - ○ Proactively seeking team input during the early stages of technical decision-making could foster collaboration and align the project vision more effectively.

For Wenye:
- ● Strengths:
  - ○ Wenye consistently demonstrates exceptional technical skills, effectively solving complex challenges and delivering high-quality solutions that greatly benefit the team.
  - ○ Wenye's proactive and self-motivated approach drives project progress, ensuring that milestones are met efficiently and effectively.
  - ○ Their strong communication skills foster collaboration within the team, as they convey ideas, offer constructive feedback, and address challenges in a way that enhances team performance.
- ● Improvements:
  - ○ While Wenye's proactive nature is commendable, allowing others to take the lead occasionally could help create a more balanced and inclusive team dynamic.
  - ○ Taking additional time to refine solutions and explore alternative approaches could further enhance the quality and depth of Wenye's work.

- ○ Involving team members earlier in the decision-making process and giving clear and detailed instructions could lead to more collaborative and well-rounded project outcomes.

Part 3. Group Discussion Feedback:

During our team discussion, my teammates gave me constructive feedback that I deeply appreciate. They suggested that I could expand my expertise by exploring a broader range of software development skills and engaging in more frequent check-ins with team members to enhance collaboration. These recommendations have given me a clear direction for personal and professional growth.

On the positive side, my teammates highlighted my high efficiency, strong professional capabilities, and ability to bring innovative and creative solutions to the team. Their recognition of my contributions motivates me to continue delivering high-quality work and striving for excellence in every project.

This feedback has been incredibly valuable, and I plan to implement their suggestions to improve actively my collaboration and technical versatility while continuing to contribute with innovation and professionalism.