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CS-250: Final Project

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**Sprint Review and Retrospective for SNHU Travel Project**

As a developer on the SNHU Travel Project, I had the opportunity to engage deeply with the Scrum-Agile methodology, which significantly influenced our development process and outcomes. This retrospective will summarize my experiences, focusing on the contributions of various roles, the completion of user stories, handling interruptions, effective communication, organizational tools, and an evaluation of the Agile process.

**Applying Roles**

The success of our project was largely attributed to the distinct roles within our Scrum-Agile team. The Scrum Master, in my role, ensured that the team adhered to Scrum principles and facilitated daily stand-ups, which helped maintain focus and accountability. For instance, by actively removing impediments, I allowed team members to concentrate on their tasks without distractions. The Product Owner played a crucial role in maintaining the product backlog, prioritizing user stories based on client feedback. This prioritization ensured that we developed the most valuable features first, ultimately leading to a product that was more relevant to SNHU Travel’s needs. The Development Team collaborated closely to implement user stories, exemplified by their teamwork in integrating a payment gateway, which was essential for the travel agency’s operations.

**Completing User Stories**

The Scrum-Agile approach significantly enhanced our ability to complete user stories through iterative development and regular feedback. For example, we broke down a user story related to booking a flight into smaller, manageable tasks. The team completed these tasks in sprints, allowing for continuous integration and testing. Regular sprint reviews provided opportunities for the Product Owner to give feedback, ensuring that the final implementation met client expectations. This iterative process not only improved the quality of our work but also fostered a sense of accomplishment among team members as they saw their contributions come to fruition.

**Handling Interruptions**

One of the key advantages of the Scrum-Agile framework is its ability to adapt to changes effectively. Midway through the project, the client requested additional features for user account management. Instead of derailing our progress, we added this request to the product backlog and prioritized it for the next sprint. This flexibility ensured that we could accommodate client needs without significant delays, demonstrating the Agile principle of responding to change over following a fixed plan. The ability to pivot quickly was crucial in maintaining client satisfaction and project momentum.

**Communication**

Effective communication was vital for fostering collaboration within the team. I utilized tools like Slack for daily updates and Zoom for sprint planning meetings, ensuring that all team members were aligned on goals and tasks. The clarity of communication encouraged team members to share ideas and concerns openly, creating a collaborative environment. For instance, during our sprint retrospectives, team members felt comfortable discussing challenges and proposing solutions, which led to continuous improvement in our processes.

**Organizational Tools**

Several organizational tools and Scrum principles contributed to our success throughout the project. We employed Jira for tracking user stories and sprint progress, which allowed for transparency in task assignments and progress tracking. The use of Scrum events, such as daily stand-ups and sprint retrospectives, kept the team focused and accountable. These events reinforced the Scrum principles of transparency, inspection, and adaptation, enabling us to identify areas for improvement and celebrate our successes.

**Evaluating Agile Process**

Assessing the effectiveness of the Scrum-Agile approach revealed both pros and cons. On the positive side, the flexibility to adapt to changes, continuous feedback from stakeholders, and enhanced team collaboration and morale were significant advantages. However, we also faced challenges, such as the potential for scope creep if not managed properly and the need for a cultural shift for team members accustomed to traditional methodologies.

In conclusion, the Scrum-Agile approach was indeed the best fit for the SNHU Travel development project. Given the dynamic nature of the travel industry and the necessity for rapid adaptation to client feedback, our iterative development process ensured that the final product aligned with client needs and market demands. The transition to a Scrum-Agile methodology has proven beneficial, and I look forward to presenting these findings to ChadaTech, providing valuable insights as the company considers a broader shift to Agile methodologies.