

Princess Sihanourath

Instructor Krupa

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### Final Sprint Review and Retrospective

In our Scrum-Agile team for the SNHU Travel project, each role was integral to our success. The Product Owner played a crucial role in managing the product backlog. This person prioritized features based on stakeholder feedback, ensuring we focused on high-value user stories. For instance, after gathering insights from potential users, the Product Owner identified the booking functionality as a priority. This prioritization allowed the team to deliver a feature that directly addressed user needs, which enhanced the overall user experience.

As the Scrum Master, I facilitated the Scrum process and removed impediments that hindered progress. During one sprint, a developer encountered challenges integrating a payment gateway, which could have stalled the project. I organized a quick brainstorming session with team members who had experience in this area. This collaborative approach not only helped resolve the issue but also fostered a supportive team environment. The Development Team itself was diverse and cross-functional, collaborating closely to deliver high-quality work. During our sprint planning, team members proposed breaking down the user story for “searching for flights” into smaller tasks, such as designing the interface and implementing the search algorithm. This clear structure allowed us to complete user stories effectively and keep the momentum going.

The Scrum-Agile approach facilitated the completion of user stories. Each sprint began with a selection of prioritized user stories from the backlog. For example, we decomposed the user story for “searching for flights” into specific tasks that could be completed within the sprint time limit. This breakdown included designing the user interface, developing the search functionality, and testing the results. By tackling smaller, manageable tasks, the team could maintain focus and deliver increments of the application more effectively.

Additionally, the iterative nature of Scrum allowed us to gather user feedback at the end of each sprint. After completing the initial version of the booking feature, we presented it to stakeholders and received valuable insights. This feedback loop enabled us to adjust before moving forward, ensuring that the final product closely aligned with user expectations. One of the significant advantages of the Scrum-Agile approach was its flexibility in handling interruptions. Midway through the project, we received unexpected feedback from the travel agency requesting the addition of a customer review feature. Instead of disrupting our workflow, we organized a sprint review meeting to assess the impact of this new requirement. The team collaboratively discussed how to incorporate this feature into our existing backlog without derailing our current sprint. We re-prioritized our tasks and adjusted our sprint goals, demonstrating the adaptability of the Agile framework.

This experience highlighted how the Scrum process encourages quick decision-making and team collaboration. By effectively managing interruptions and responding to stakeholder needs, we were able to keep the project on track while enhancing the application’s value.

Effective communication was a cornerstone of our team’s success throughout the project. During daily stand-ups, I encouraged team members to share their accomplishments, current

tasks, and any obstacles they faced. For example, I would initiate discussions by asking, “What is one success you had yesterday?” This approach fostered a culture of openness and accountability, where everyone felt comfortable sharing their progress and challenges.

In our retrospectives, I implemented a “Start, Stop, continue” format, which was particularly effective in guiding discussions. This structured method encouraged team members to express their thoughts on what practices should be started, stopped, or continued in future sprints. The collaborative nature of these meetings not only generated actionable insights but also strengthened team cohesion, as everyone felt their contributions were valued.

Several organizational tools and Scrum principles were vital for our success. We used "Jira" to manage our backlog and track progress visually. This tool let us see the status of user stories and tasks, which enhanced transparency and accountability within the team. The visual representation of our work made it easy to identify bottlenecks and redistribute tasks as needed.

The regular Scrum events, including sprint planning, daily stand-ups, sprint reviews, and retrospectives, were crucial in keeping the team aligned and focused. The sprint reviews provided an opportunity to highlight our progress to stakeholders and gather immediate feedback, reinforcing the iterative nature of our work.

The Scrum-Agile approach presented several pros and cons during the SNHU Travel project. On the positive side, the flexibility inherent in Agile allowed us to adapt to changing requirements effectively. The ability to pivot and incorporate new features based on user feedback enhanced the quality of our product and satisfied stakeholder needs. Additionally, the continuous communication and collaboration among team members fostered a dedicated team dynamic, leading to innovative solutions. However, there were challenges as well. The flexible

nature of Agile sometimes resulted in scope creep, where new features were added without proper prioritization, risking project timelines. Furthermore, the time commitment for Scrum ceremonies could feel burdensome if not managed effectively, potentially detracting from actual development time.

In conclusion, the Scrum-Agile approach proved to be highly effective for the SNHU Travel project. It allowed our team to respond quickly to feedback, maintain effective communication and deliver a high-quality product that aligned with user needs. While challenges like scope creep and time management existed, the benefits of adaptability and collaboration outweighed these issues. This pilot project suggests that transitioning Chada Tech's development teams to a Scrum-Agile approach could significantly enhance productivity and product quality across the organization, making it a worthwhile endeavor for future projects.