**7-1 Final Project**

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The development of the SNHU Travel application using the Scrum-Agile approach offered a valuable experience in understanding how teamwork and structured processes contribute to successful project outcomes. Each role within the Scrum framework played a key part in maintaining productivity and aligning deliverables with the client’s needs.

The Product Owner provided clear direction by prioritizing and refining the Product Backlog, ensuring the team could focus on the most important features. This role was central to maintaining alignment with the client’s expectations and setting clear acceptance criteria for user stories. These criteria helped avoid ambiguities and provided a strong foundation for the team to work effectively. Additionally, regular feedback from the Product Owner allowed the team to make necessary adjustments during sprint reviews, ensuring the project stayed on course.

The Developer’s role was focused on implementing the features described in the user stories. By delivering incremental progress on features, the Developer ensured that the work was consistently aligned with the requirements and ready for validation. This iterative process not only reduced the risk of significant issues but also allowed the team to adapt the implementation as feedback was received. The Developer’s collaboration with the Tester ensured that the functionality met the required standards before moving forward.

The Tester contributed by validating that all features met the defined acceptance criteria and performed as expected. This role helped ensure the quality and reliability of the deliverables. Regular feedback from testing efforts enabled early identification of potential issues, which were addressed promptly. This process not only improved the overall quality of the application but also contributed to maintaining a steady development pace.

The Scrum Master facilitated the team’s adherence to Agile principles and practices, ensuring that everyone stayed aligned and productive. Through the organization of events such as Sprint Planning, Daily Standups, and Sprint Reviews, the Scrum Master helped foster collaboration and transparency within the team. Challenges or roadblocks were addressed collaboratively, with the Scrum Master ensuring that the team could maintain focus and adapt as needed throughout the sprints.

One of the strengths of the Scrum-Agile methodology was its ability to break down complex tasks into manageable increments, enabling steady progress and clearer deliverables. For instance, user stories were divided into smaller, actionable components, allowing the team to focus on incremental improvements without becoming overwhelmed. This approach made it easier to incorporate feedback and adapt to changes without derailing the overall timeline.

Adaptability was another significant benefit of Agile. When new requirements or priorities emerged, the team was able to adjust the Sprint Backlog and realign their efforts to focus on the most valuable deliverables. The iterative nature of the process allowed the team to pivot when necessary while still maintaining overall project momentum. This flexibility ensured that the client’s evolving needs could be met without significant disruptions to the workflow.

Communication was also a key factor in the project’s success. Regular updates shared during Daily Standups kept everyone informed and allowed the team to identify potential dependencies or issues early. Clear documentation and progress tracking reduced misunderstandings and helped ensure that everyone remained aligned with the project goals. These communication practices encouraged collaboration and contributed to the team’s overall efficiency.

The use of organizational tools and Scrum principles also played a significant role in the project’s success. Tools like task boards helped the team track progress visually, while retrospectives provided opportunities to reflect on what was working well and where improvements could be made. These tools and processes allowed the team to refine their approach and address inefficiencies, contributing to continuous improvement throughout the project.

While the Scrum-Agile methodology had many advantages, such as adaptability and regular client engagement, it also came with challenges. The need for frequent communication and coordination occasionally led to minor delays when team members were unavailable. Despite these challenges, the iterative and collaborative nature of the approach proved to be well-suited to this project. By maintaining flexibility and incorporating continuous feedback, the team was able to deliver a product that aligned with the client’s needs and expectations.

In conclusion, the Scrum-Agile approach provided an effective framework for the development of the SNHU Travel application. It supported collaboration, adaptability, and consistent progress while ensuring that the team could respond to changes and deliver value throughout the project. As Scrum.org highlights, Agile’s focus on incremental delivery and client collaboration makes it particularly effective for projects where requirements may evolve over time (Scrum.org, 2021). This approach proved to be a strong fit for the project and was instrumental in its successful completion.

**References**

Scrum.org. (2021). **What is Scrum?** Retrieved from <https://www.scrum.org>