Final Project: Sprint Review and Retrospective

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Different roles were used within the development of the SNHU project, the site was meant to be a travel site for users to book their vacations based on their interests. Starting with the Scrum Master. In my role as the Scrum Master, I facilitated the Scrum events, ensured adherence to Scrum principles, removed impediments, and fostered a collaborative and self-organizing team environment. We also have the Product Owner, the product owner actively collaborated with the stakeholders, gathered requirements, prioritized user stories and ensured that the product vision was effectively communicated to the team. This includes the Developers, who were responsible for the implementation of user stories, working closely with the Product Owner to clarify requirements and ensuring the timely completion of tasks. We also have the testers who played a crucial role in verifying and validating the developed features, ensuring high-quality deliverables.

Within the software design cycle there were different phases that are used in this SNHU project. The Scrum-Agile approach facilitated the completion of user stories by breaking down requirements into manageable user stories with well-defined acceptance criteria. Conducting sprint planning sessions to estimate effort and prioritize the user stories and collaborating closely within the development team to iteratively develop and deliver working increments of the product. Daily stand-up meetings were conducted to synchronize activities and address any obstacles as well as sprint reviews to obtain feedback from stakeholders, ensuring the alignment of deliverables with their expectations. We also conducted sprint retrospectives to reflect on the team's performance, identify areas for improvement, and adapt processes for future sprints.

The Scrum-Agile approach facilitated project completion when faced with interruptions and changes by embracing change as a core principle and incorporating it into the sprint backlog,

allowing for flexibility and adaptation. We conducted regular sprint planning meetings to reprioritize and adjust the backlog based on changing requirements or feedback as well as engaging in continuous communication and collaboration within the team to ensure everyone is aware of the changes and adjust their work accordingly. We also conducted sprint reviews to obtain stakeholder feedback, ensuring changes are incorporated into future sprints. Some communication samples that I used during the daily stand-up was open communication by encouraging team members to share their progress, challenges and dependencies. This created a platform for collaboration and problem-solving. With the use of digital collaboration tools such as project management software and video conferencing, I ensured seamless communication and information sharing among distributed team members.

As for organizational tools, we utilized tools like JIRA for backlog management, task tracing, and transparency in work progress. The Kanban board in JIRA provided a visual representation of tasks, enhancing collaboration and shared understanding. The principles of self-organization, iterative development, regular inspection, and adaptation helped the team stay focused, respond to changes effectively, and continuously improve the product and the development process.

The pros of the Scrum-Agile Approach for SNHU Travel project included increased flexibility, adaptability to changing requirements, improved collaboration, faster feedback cycles and incremental value delivery. The cons include challenges such as the need for active stakeholder involvement, potential scope creep if changes are not managed effectively and the requirement of a self-organizing and cross-functional team may pose initial difficulties. Considering the dynamic nature of the SNHU Travel project and the need for quick adaptation to evolving requirements, the Scrum-Agile approach was the best choice. It allowed us to respond effectively to changes, involve stakeholders throughout the development process, and deliver value iteratively.