**Sprint Review and Retrospective**

Valerie Klaus

Southern New Hampshire University

CS-250 Software Development Lifecycle

Professor Morrison

2/17/2021

Each role of the Scrum Team contributed to the success of the SNHU Travel project in their own specific way. The Scrum Master contributed by assembling and facilitating the rest of the team, ensuring effective management of the product backlog, and removing challenges that would have hindered development. The Product Owner provided direction on what was to be built while prioritizing and maximizing the value of the work and product of the development team. The testers of the team collaborated with the team to resolve any issues and defects, defined acceptance criteria and acceptance tests, clarified any uncertainty within code and user stories, and executed and analyzed results. The developer designed and developed code following solid software engineering practices while collaborating with the rest of the team.

Good communication within the Scrum team is essential to success. Team members are constantly communication and collaborating, which helped in the completion of the project. Scrum events, such as the Daily Scrum aided to the team’s success. Due the flexibility within the agile approach, any changes that were necessary during the project were easier than other approaches. The biggest change to SNHU Travel was the addition of a focus on Detox and Wellness vacations. A team discussion and clear communication between the roles allowed for the necessary adjustments to be planned and executed within a timely manner. Throughout the project life cycle, effective communication ensured that each team member was always on the same page moving forward. For example, numerous emails were exchanged during the development to discuss and clarify user stories, test cases, and any changes working to the final goal.

The use of User Stories and Test Cases was quite useful during the development of SNHU Travel. User Stories allowed the team to break the Scrum Goal into smaller tasks, prioritize them, and plan our approach more efficiently. The test cases made it easier to ensure that all needs of the users within each task were met. These two tools were much helpful in the development and success of the project.

The Scrum-agile approach differs from other approaches, as it promotes teamwork, heavy communication, and offers flexibility to developers. Resource requirements are not minimum and little to no planning is necessary to begin a project. Just as Scrum has its advantages, it also comes with its disadvantages. If a team or an individual is not familiar with Scrum, it may be a challenge to convert. Agile is not suitable for handling complex dependencies, and there is more risk of maintainability, extensibility, and sustainability.

I do believe the Agile approach was appropriate for the SNHU Travel project. I feel that for the project to be a success, heavy communication, and the flexibility to make changes throughout the process were much needed. For example, there were necessary changes relating to a new type of vacation that had to be made late in development. Constant communication between the team made it easier to continue without delay. Without the advantages of Agile, delivering a successful product would have been more challenging.