**Sprint Review and Retrospective**

Priscilla Gomez

Chada Tech

CS-250 Software Development

**Applying Roles**

Throughout the SNHU travel project**,** each Scrum-Agile role was vital to the team’s success. As the Product Owner, I gathered requirements and prioritized the backlog to ensure we deliver maximum value with each Sprint. For example, I created and prioritized user stories around booking travel packages and managing client accounts. As a scrum master, I facilitated daily stand-ups and removed blockers, such as clarifying user story acceptance criteria when the development team was confused. The developing team self-organized to complete tasks efficiently, breaking down user stories into actionable tasks during Sprint Planning.. These roles work together to create an environment of collaboration and accountability.

**Completing user stories**

Using a scrum agile approach significantly improved how user stories were completed. User stories were broken down into manageable pieces, prioritized, and completed within short sprints. One example was the user logging authentication story, which we divided into subtasks: front-end design, back-end authentication, and testing. This granular breakdown allowed the team to focus on delivering small, valuable increments. Regular Sprint reviews kept progress transparent and enabled the team to adjust based on feedback quickly.

**Handling interruptions**

Scrum agile practices allowed us to handle interruptions smoothly. Midway through the project, SNHU Travel requested that we add a last-minute feature for customized travel packages. Instead of derailing the entire project, we evaluated the change during the Sprint planning meeting, reprioritized the backlog, and adjusted or scope. Thanks to agile flexibility, we integrated the new feature without jeopardizing previously committed deliverables.

**Communication**

Effective communication was a pillar of our success. During daily standups, each team member shares progress, plans, and blockers. For example, when a developer was stuck on the booking confirmation page, they raised it during the stand-up, and another team member offered help. This open communication not only speeds up problem-solving but also fosters a supportive environment. Tools like Slack and Trello also help maintain asynchronous communication when meetings are not possible.

**Organizational tools**

Scrum-Agile organizational tools were crucial. We use Trello to manage our scrum board, tracking user stories through” to do”, “In progress,” and “done” columns. This visual organization is tied closely to Sprint events like the daily scrum and Sprint review period Sprint retrospectives allowed us to reflect on what worked on what could improve, leading to continuous team growth.

**Evaluating Agile Process**

The Scrum agile approach proved to be highly effective for the SNHU travel project.

**Pros:**

* High adaptability to change
* Frequent deliverables and user feedback
* Improved team collaboration and morale

**Cons:**

* Initially, the team struggled with estimating under under-story complexity
* Agile requires disciplined self-management, which took time to develop

Overall, Scrum Agile was the best choice for this project because SNHU Travel's needs evolved during development. A traditional waterfall approach would not have allowed the flexibility necessary to pivot to new client requirements without significant rework or delays.