Title of the Paper

Student's Name

Institutional Affiliation

Scrum-Agile Pilot Project Evaluation: Sprint Review and Retrospective

As the Scrum Master of the SNHU Travel project at ChadaTech, I facilitated the final Sprint Review and Retrospective effort to review and reflect on the work that had been completed throughout the development span. The paper assesses the involvement of each member of the team, user story completion, and how the Scrum methodology handled interruptions and changes of direction during the project. It also discusses the communication strategies, and the organizational tools used and evaluates the Scrum-Agile approach. The experience will offer valuable lessons that will be used to guide future decisions about adopting Scrum for other teams in the company.

Applying Roles

Each role played a part in the overall project success of Scrum-Agile teams. I was the Scrum Master, whose job was to facilitate communication between team members, help ensure Scrum adhered to Scrum principles and remove inefficiency. As an example, during one sprint, Christy, the Product Owner, prioritized the most valuable features of the travel website every time. The Developer, Nicky, contributed by providing the functional features as per the user stories defined. The Tester, Brian, was responsible for maintaining quality while developing the product through the execution of test cases. The collaboration of all roles made sure that the project went smoothly and helped the team keep on track by delivering incremental results in each sprint.

Completing User Stories

The use of the Scrum-Agile approach enabled the completion of user stories in an iterative manner. For the SNHU Travel project, we created user stories that would encapsulate functional requirements that met the needs of the client (Alshurideh et al.,

2024). For instance, an example user story was used to design a search feature for vacation packages to allow users to select destinations according to their preferences. The feature was broken down into smaller tasks that I completed over two sprints. The team essentially delivered small incremental features that kept working value in the hands of the client and allowed user stories to stay agile and improve iterations based on release feedback from the Product Owner.

Handling Interruptions

In the Scrum framework, interruptions are considered as an opportunity to change rather than an obstacle. For instance, the priorities of the client changed midway through the project, and we had to reassign the focus to other features. To implement this change, the team had to reconsider the product backlog. The flexibility of Scrum allowed us to change the sprint backlog and start implementing the required changes without losing momentum (Wiesche, 2021). The team could attend sprint reviews and set up regular stand-up meetings to keep the impact of these interruptions and align the tasks to keep the project on track. The iterative approach also meant that the project would be flexible about changes in client needs and market conditions.

Communication

Scrum is built upon effective communication. As a Scrum Master, I encouraged all team members to be transparent with each other. I remember one example of when I engaged in effective communication during a sprint retrospective meeting where I had to discuss the previous sprint's challenges and successes. The open conversation gave team members an opportunity to contribute their input and their ideas for improving the work (Wiesche, 2021). Furthermore, I also kept the Product Owner and other stakeholders

updated about the project in order to ensure that the project was aligned with the business goals. For transparency and trust, regular communication between parties was required through communication channels, such as face-to-face meetings and digital collaboration tools.

Organizational Tools

The project was successful because several organizational tools and Scrum principles were in place. Managing and prioritizing tasks really depended on the Product Backlog and Sprint Backlog. The team could follow their progress as well as identify bottlenecks with tools like JIRA (Saiyad, 2024). Daily stand-ups, sprint planning, and retrospectives are among the few Scrum events that helped the team keep focus on the tasks at hand. A visual management tool utilized for task tracking enabled all members of the team to be aligned and also helped identify impediments early. These organizational tools helped route development, handled updates, and reoriented work to change priorities more easily.

Evaluating Agile Process

The SNHU Travel project had both advantages and disadvantages through The Scrum-Agile approach. The ability to change quickly to changing requirements was one of the most important benefits. The team used the iterative approach so that they could deliver the working software at the end of every sprint and gain incremental value to the client (Alshurideh et al., 2024). In addition, there were some drawbacks to the approach, including scope creep and the pressure to meet deadlines. All these challenges were overcome, and the Scrum methodology helped the team keep focus and flexibility, which helped to make adjustments when needed (Alshurideh et al., 2024). As a given nature of

the project, the Scrum-Agile approach matched the dynamic environment and client needs.

Pros

- Ability to change to meet changing requirements.
- Incremental delivery of working software
- Enhanced communication and collaboration among team members
- Continuous improvement through sprint retrospectives

Cons

- Potential for scope creep due to evolving requirements
- Pressure to meet sprint deadlines
- Requires a high level of team discipline and commitment
- Continuous collaboration dependence, which can be hard in distributed or remote teams

Scrum-Agile's Suitability

The Scrum-Agile approach is applicable to the SNHU Travel project because of its flexibility, iterative nature, and ability to cope with changing requirements. The methodology allowed the team to provide incremental updates to the client so that the value continues (Weerakoon, 2024). On the other hand, the team’s discipline and their ability to communicate properly were equally important for success. Although some challenges, such as scope creep, were present, Scrum-Agile provided great adaptability and collaboration that optimized the project for such a fast-paced environment and changing client needs.

Conclusion

The Scrum Agile methodology proved to be a good methodology for the SNHU Travel development project. The team concentrated on collaboration, adaptability, and an iterative delivery approach that successfully helped the team meet the demands of the client with a strong emphasis on high-quality outcomes. Some challenges, like scope creep or working under a tight deadline, happened, but the Scrum framework gave us adequate instruments to handle them well. Overall, the flexibility of Scrum helped with the project, and therefore, it was the best approach for such a dynamic development environment.

References

Alshurideh, M., Akour, I. A., Al Kurdi, B., & Hamadneh, S. (2024). Exploring the Impact of Scrum Framework on Project Effectiveness: A Quantitative Analysis of Agile Implementation Challenges and Benefits. *International Journal of Theory of Organization and Practice (IJTOP)*, *4*(2), 161–174.

Saiyad, S. (2024). *Project Management and Jira with Agile Scrum Methodology*. https://digitalcommons.harrisburgu.edu/dandt/46/

Weerakoon, H. (2024). Analysing and evaluating the effectiveness of the SCRUM methodology for successful project management. *AIP Conference Proceedings*, *3220*(1). https://pubs.aip.org/aip/acp/article-abstract/3220/1/050015/3315952

Wiesche, M. (2021). Interruptions in Agile Software Development Teams. *Project Management Journal*, *52*(2), 210–222. https://doi.org/10.1177/8756972821991365