CS250 Sprint Review and Retrospective

Ifeoluwa   Adewoyin

Southern New Hampshire University

Table of Contents

CS250 Sprint Review and Retrospective

A. Demonstrate how the various roles on your Scrum-agile Team specifically contributed to the success of the SNHU Travel project.

Throughout the SNHU Travel project, I experienced various roles that contributed to our success. As the Product Owner in Module 2, I conducted a focus group to gather user requirements, which shaped our product backlog. This role was crucial in ensuring we developed features that truly met user needs, such as customized top destinations and cruise preferences.

As a Scrum Master in Module 2, I planned and facilitated key Scrum events. For instance, during Sprint Planning, I guided the team in selecting items from the product backlog, ensuring the Product Owner clarified requirements. This helped create clear sprint goals and a shared understanding of the work to be completed.

In the developer role (Module 4), I implemented user stories, translating requirements into functional features. This hands-on experience highlighted the importance of breaking down complex features into manageable tasks, as emphasized in our User Stories assignment.

As a tester in Module 5, I created and executed test cases, ensuring the quality of our features. This role was vital in identifying potential issues early and maintaining the overall quality of our travel booking software.

B. Describe how a Scrum-agile approach to the SDLC helped each of the user stories come to completion.

The Scrum-Agile approach significantly facilitated the completion of our user stories. For example, when working on the "Customized Top Destinations" user story, we broke it down into

smaller tasks during sprint planning. This allowed us to make incremental progress and get quick feedback.

Our daily stand-ups, which I practiced as a Scrum Master, helped us identify and address challenges promptly. For instance, when we needed to clarify the criteria for 'top' destinations, these meetings provided a platform for quick discussion and resolution.

The iterative nature of our sprints allowed us to continuously refine and improve our user stories. As noted in my Module 3 journal, "I've found that they help us break down complex features into manageable tasks, making our work more efficient."

C. Describe how a Scrum-agile approach supported project completion when the project was interrupted and changed direction.

The Scrum-Agile approach proved invaluable when we had to pivot from a list-based interface to a slideshow, as mentioned in the pro tips. Our sprint-based structure allowed us to reassess priorities quickly. In our sprint planning meeting, we were able to adjust our backlog, adding new tasks for the slideshow development while postponing less critical features.

This flexibility was particularly evident when we shifted focus towards detox/wellness travel features, as mentioned in my Module 5 journal. I requested clarification from the Product Owner on specific features and user stories related to this new focus, demonstrating how Agile allows for rapid adaptation to changing requirements.

D. Demonstrate your ability to communicate effectively with your team by providing samples of your communication.

Effective communication was crucial to our team's success. In my Module 5 journal, I drafted an email to the Product Owner and Tester requesting specific information needed for the detox/wellness travel feature development. This communication was effective because it clearly outlined our needs, set deadlines, and encouraged collaboration.

Additionally, as noted in my Module 6 journal, I found sprint review meetings particularly effective for team communication and productivity. During these demo sessions, team members presented completed work to stakeholders, fielded questions, and gathered feedback. This practice created accountability and ensured alignment with user needs.

E. Evaluate the organizational tools and Scrum-agile principles that helped your team be successful.

Several organizational tools and Scrum-Agile principles contributed to our success. The Product Backlog we created helped maintain a clear, prioritized list of features. Our User Stories, like the one I wrote for customized top destinations, helped break down complex requirements into manageable pieces.

In my Module 6 journal, I highlighted the importance of information radiators like task boards and burndown charts. These tools provided highly visible, constantly updated information on project status and progress, promoting transparency and enabling quick identification and resolution of issues.

The daily Scrum format, which I practiced as a Scrum Master, fostered transparency and helped us adapt quickly to changes. As mentioned in my Module 2 journal, "I would host brief,

daily stand-up meetings where I encourage team members to answer three questions: What did I

do yesterday? What will I do today? Are there any impediments?"

F. Assess the effectiveness of the Scrum-agile approach for the SNHU Travel project.

Describe the pros and cons that the Scrum-agile approach presented during the project.

Reflecting on the SNHU Travel project, I can identify several pros and cons of the

Scrum-Agile approach:

Pros:

- Flexibility to adapt to changing requirements, as seen with the detox/wellness travel pivot

- Continuous feedback and improvement through sprint reviews and retrospectives

- Increased team collaboration and communication through daily stand-ups

- Ability to break down complex features into manageable tasks

- Rapid identification and resolution of issues

    Cons:

- Initial learning curve in adopting Agile practices

- Potential for scope creep due to constant reprioritization

- Challenges in long-term planning due to focus on short sprints

- Dependency on effective communication and collaboration

Determine whether or not a Scrum-agile approach was the best approach for the SNHU

Travel development project.

Overall, I believe the Scrum-Agile approach was the best fit for the SNHU Travel project.

The project's evolving requirements, such as the shift to detox/wellness travel and the change

from a list-based interface to a slideshow, aligned well with Agile principles. The ability to adapt

quickly to these changes demonstrated the value of this approach for this particular project.

The iterative nature of our development process allowed us to continuously refine our

product based on user feedback, ensuring we delivered a travel booking software that truly met

user needs and preferences.

References

Arias, M., Marques, M. R., & Rojas, E. (2018). Using Process Mining in Agile Software

      Development Methodologies: A Systematic Mapping Study. 2018 XLIV Latin American

      Computer Conference (CLEI), 552–561.

Shahzad, B., Awan, W. N., Fazal-e-Amin, Abro, A., Shoaib, M., & Alyahya, S. (2023).

      Framework for Effective Utilization of Distributed Scrum in Software Projects.

      Computer Systems Science & Engineering, 44(1), 407–422.