Sprint Review and Retrospective for SNHU Travel

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Abstract

This paper presents a comprehensive Sprint Review and Retrospective of the SNHU Travel application development project, which employed a Scrum-agile approach to enhance customer tools and expand the client base of the travel agency. The study highlights the contributions of various team roles, the impact of Scrum-agile methodology on user story completion, adaptability to interruptions and changes, effective communication, organizational tools, and the overall effectiveness of the approach. Through a series of examples and analyses, the paper demonstrates how the collaborative efforts of developers, testers, Product Owners, and Scrum Masters contributed to the project's success. The Scrum-agile approach facilitated the completion of user stories through incremental development and iterative feedback, enabling the team to respond swiftly to client needs. Effective communication practices, both within the team and with stakeholders, were crucial to the project's success. The integration of organizational tools, such as JIRA and Trello, streamlined workflow management, enhanced task visibility, and promoted accountability.

*Keywords:* agile, developers, testers, product owners, scrum master

**Sprint Review and Retrospective for SNHU Travel**

Sprint Review and Retrospective for SNHU Travel Application Development

The SNHU Travel application development project was undertaken with a Scrum-agile approach to improve the client base and tools for customers of the travel agency. As the Scrum Master of the team, I will present a comprehensive Sprint Review and Retrospective to reflect on the project's success, the contributions of various team roles, the impact of Scrum-agile methodology on user stories completion, adaptability to interruptions and changes, effective communication, organizational tools, and the overall effectiveness of the approach for the SNHU Travel development project.

**Contributions of Team Roles**

Throughout the project, the collaboration and distinct contributions of each team role were essential to the success of the SNHU Travel application. Developers brought technical skills to the table, ensuring the functionality and quality of the application. Testers played a crucial role in identifying and rectifying issues, guaranteeing a polished final product. The Product Owner's active involvement in defining and prioritizing user stories ensured alignment with client needs, while the Scrum Master facilitated effective communication, streamlined workflows, and ensured adherence to agile principles.

**Scrum-Agile Approach and User Stories Completion**

The Scrum-agile methodology played a pivotal role in the successful completion of user stories. Sprints allowed for incremental development, enabling us to deliver value to SNHU Travel customers iteratively. For instance, the user story focused on "Search and Filter Vacation Packages" was broken down into smaller tasks, each with specific objectives. Daily stand-ups provided opportunities to discuss progress, address obstacles, and make real-time adjustments. This approach allowed us to respond swiftly to client feedback and adapt to changing requirements, ensuring the continuous enhancement of the application's features.

**Adaptability in the Face of Interruption and Change**

The flexibility inherent in the Scrum-agile approach proved invaluable when the project faced interruptions and directional changes. An instance of this was when external factors necessitated a shift in priorities. The team efficiently adjusted the sprint backlog, re-prioritized user stories, and effectively communicated the changes to all stakeholders. This adaptability enabled us to remain on track, deliver value, and maintain a collaborative atmosphere, despite the unexpected challenges.

**Effective Communication and Collaboration**

Communication was at the heart of our agile approach, promoting collaboration and cohesion within the team. Daily stand-ups provided a platform for sharing progress and addressing concerns. Our communication extended beyond team boundaries, as the Product Owner engaged with stakeholders to ensure alignment with customer expectations. The use of tools such as Slack and video conferencing facilitated real-time communication, enabling prompt decision-making and knowledge sharing.

**Organizational Tools and Scrum-Agile Principles**

The utilization of organizational tools like JIRA and Trello enhanced our project's efficiency. JIRA helped manage the product backlog, sprint planning, and task assignments, promoting transparency and accountability. Trello facilitated visual tracking of progress, aiding in sprint and release planning. The Scrum-agile principles, coupled with these tools, streamlined our workflow, ensured optimal resource allocation, and improved task visibility.

**Assessment of Scrum-Agile Approach**

The Scrum-agile approach offered several advantages to the SNHU Travel project. The pros included rapid iterations, client-centric development, increased stakeholder involvement, and adaptability to change. However, challenges such as the initial learning curve and occasional scope adjustments needed to be managed effectively. Overall, the Scrum-agile approach proved highly effective, resulting in an application that met customer needs and provided a solid foundation for future enhancements.

**Conclusion**

The Sprint Review and Retrospective for the SNHU Travel application development project underscore the vital role of the Scrum-agile approach in fostering collaboration, responsiveness, and successful project outcomes. By embracing agile principles, maintaining effective communication, leveraging organizational tools, and adapting to changes, our team achieved the goals of delivering value to the client and enhancing the user experience. The SNHU Travel project serves as a testament to the effectiveness of Scrum-agile methodology in modern software development.