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**Final Project**

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**Sprint Review and Retrospective: SNHU Travel Project**

As the Scrum Master for the SNHU Travel project, I am going to present the Sprint Review and Retrospective, summarizing our team's journey through the development process. This document reflects on our experiences, identifies key successes, and offers insights into areas for improvement. Our Scrum-agile team was made up of various roles, each contributing to the project's success. These roles include the following :

* **Product Owner**: The Product Owner played a pivotal role in defining and prioritizing the product backlog. Their discussions with stakeholders made sure that user stories were aligned with SNHU Travel's requirements. During sprint planning, the Product Owner worked closely with stakeholders to refine user stories, ensuring that each sprint backlog was well-defined and prioritized. This collaboration resulted in a clear understanding of project objectives and minimized misunderstandings throughout development.
* **Development Team**: Developers collaborated to deliver progress in increments during sprint cycles. This team is comprised of software developers and software testers. During the User Story creation, Testers were creating test cases of various implementations that customers sought out. Developers collaborated with the software testers to make sure all implemented tools aligned with what was desired in the suer story.
* **Scrum Master (Myself)**: As the Scrum Master, I facilitated sprint ceremonies, removed hurdles, and laid the foundation for a collaborative environment. In the beginning of the product development, I developed an Agile Team Charter which helped outline the goals and expectations of the product we are building. This set the tone for all future meetings.

**Scrum-agile Approach and User Story Completion:** The Scrum-agile approach provided a structured framework for iterative development, enabling us to complete user stories effectively. Sprint cycles facilitated regular feedback from stakeholders, allowing us to refine and enhance user stories based on continuous input. The flexibility of Scrum-agile allowed us to reprioritize user stories in response to changing requirements, ensuring that the product remained aligned with SNHU Travel's evolving needs. During sprint reviews, stakeholders provided valuable feedback on completed user stories, guiding our iterative development process. This feedback loop ensured that the product evolved iteratively, maximizing stakeholder satisfaction. We implemented new features such as recommendation pages that showcased vacations that the user desired. The user was able to go into account settings and change their preferences, budget, etc.

**Handling Interruptions and Changes with Scrum-agile:** The Scrum-agile approach helped us overcome resilience in the face of interruptions and changes. We embraced changes to user stories mid-sprint, conducting mid-sprint reviews to ensure alignment with stakeholder expectations. Sprint retrospectives enabled us to reflect on our processes, identify areas for improvement, and implement actionable changes in subsequent sprints. When SNHU Travel requested changes to the application's UX design mid-sprint, specifically asking that the displayed recommendations for vacations aligned with user preferences, we conducted a mid-sprint review to ensure alignment with their vision. This proactive approach minimized rework and maintained project momentum.

**Effective Communication within the Team:** Effective communication was fundamental to our success. Daily stand-ups provided a platform for team members to synchronize their work, discuss impediments, and collaborate on solutions. Task boards and burndown charts facilitated transparency and accountability within the team.

**Organizational Tools and Scrum-agile Principles:** Several organizational tools and Scrum-agile principles contributed to our success. JIRA served as our primary tool for backlog management, sprint planning, and progress tracking. Using Scrum events provided structure to our development process, allowing collaboration and continuous improvement.

**Evaluation of Scrum-agile Approach for SNHU Travel Project:** The Scrum-agile approach proved highly effective for the SNHU Travel project. The pros include flexibility, regular feedback loops, transparency, and collaboration. While all of this was good, we did have some cons. These include initial learning curve, challenges in estimating and prioritizing user stories accurately.

The Scrum-agile approach empowered our team to deliver value incrementally, adapt to changing requirements, and foster collaboration throughout the SNHU Travel project. While there were challenges, the benefits outweighed the drawbacks. Based on our experience, I recommend adopting Scrum-agile methodologies company-wide to enhance ChadaTech's software development processes.