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CS 250

Final Project

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As the Scrum Master, I will be presenting the sprint review and retrospective for the SNHU travel project. Throughout development, each member of our scrum-agile team played an important role in contributing to the project’s success.

The product owner held the responsibility of defining and prioritizing the projects requirements. They worked closely with our stakeholders to better understand their needs and were able to communicate those needs to the development team. The product owner also keeps the backlog updated, keeping the tasks with higher priority on top. For example, the Product Owner identified that the most critical requirement for the SNHU Travel project was a user-friendly interface that would enable clients to make reservations easily. The development team then focused their efforts on building a user-friendly interface. The development team consists of developers, testers and other specialists who are responsible for the developing of the project. The team members organized themselves and worked together to achieve their goals. The developers worked together to design the system architecture, while the testers ensured the product met the requirements asked. The Scrum Master made sure the team was following the scrum framework. Scrum Master removes any problems the team encounters, and helps the team maintain focus on delivering the product. The scrum master also helps that the team adhered to the time events, such as meetings that lasted 15 minutes.

Each member of the scrum-agile team contributed significantly to the success of the SNHU travel project. The Product Owner ensured that the product was meeting the stakeholders' expectations, while the Development Team was responsible for developing the product. The Scrum Master facilitated the process and ensured that the team adhered to the Scrum framework.

The Scrum-agile approach to the software development cycle (SLDC) played a crucial role in helping user stories come to completion. The approach encouraged collaboration and communication among team members, resulting in an efficient development process. One example of how the scrum-agile approach helped the user stories come to completion is “As a client, I want to see recommended vacations based on my history or account preferences.” The product owner worked closely with stakeholders to define this user story and prioritize it in the backlog. The development team then started working on the implementation of the recommended vacation functionality. The testers then tested the functionality to ensure it met the requirements. The scrum master facilitated the sprint reviews to monitor development progress, and the product owner provided feedback. Through this process, the functionality was developed, tested and deployed meetings the user’s needs.

One of the key benefits of using a Scrum-agile approach to software development is the ability to adapt to change. This was demonstrated during our project when the project was interrupted and the direction was changed. Scrum-agile encourages continuous feedback and improvement. At the end of each Sprint, the team conducted a Sprint Review and Retrospective. During the Sprint Review, the team demonstrated the progress made during the Sprint to the stakeholders and received feedback on the work completed. During the Sprint Retrospective, the team reflected on their process and identified areas for improvement. When the project was interrupted, the team was able to leverage this feedback to improve their processes and ensure that they remained on track despite the changes. The Scrum-agile approach supported the completion of our project by providing clear communication channels, flexibility, adaptability, and continuous feedback and improvement. When the project was interrupted and changed direction, the team was able to leverage these Scrum-agile principles to adapt to the new situation and continue making progress towards the project goals.

Being on a scrum team means you have to foster effective communication among other team members. Some examples of communication include the daily stand up meeting, which was essential to the scrum-agile process. During this meeting, members would update each other on their progress and any issues they might be facing. Another example is the spring review meetings, these are opportunities for the team to demonstrate their progress to stakeholders and get feedback. This created a positive atmosphere between team members and stakeholders, where the team felt appreciated for their work. Effective communication is essential for the success of any project. As the Scrum Master, I worked to encourage effective communication among my team members by starting daily stand-up meetings, facilitating Sprint Review meetings, and summarizing feedback during Sprint Retrospective meetings. By doing this, I encouraged collaboration and created an environment where the team felt empowered to work together towards a common goal.

Throughout the project, the scrum-agile approach and the use of organizational tools helped our team be successful. Some of the scrum-agile principles and tools that were effective included the User Stories, which helped our team understand the customer’s needs and break down the project into manageable tasks. This made sprint planning much easier, which is another scrum-agile principle used. The sprint planning meeting helped our team plan and prioritize work for each sprint. During the meeting, we discussed our user stories and broke them down into small tacks. This helped us identify any potential roadblocks that needed addressing before work could commence. The daily stand up meetings also helped our team stay on track and keep communication alive. During the meeting, each member would provide a progress update and identify any issues they are facing. By following these Scrum events and principles, we were able to communicate effectively, plan and prioritize work, and reflect on our progress to continuously improve the project's outcome.

As the scrum master, I have observed many pros and cons of using the scrum-agile approach for this project. Some procs include increased flexibility, since the approach allowed the team to be more flexible and adaptable to changes. Better collaboration, the scrum-agile encouraged collaboration among the team and better communication. Faster feedback, as the use of reviews and meetings allowed instant feedback from stakeholders. Some cons include increased overheads, as scrum-agile requires overheads such as the stand-up meetings, script planning, and reviews which takes up time and resources. Another con would be having to train your team to the scrum-agile principles. The learning curve may take time and resources away from actual development.

Based on our work and my observations, the scrum-agile approach was the best for this project. The project was complex and had many requirements which were always subject to change. The scrum-agile process allowed the team to be flexible and allowed for faster feedback which was critical for this project. Overall, while there are some cons to using the scrum-agile approach, the benefits of using it outweighed the cons, leaving it the best approach for the SNHU travel project.