**7-1 Final Project Submission**

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**Sprint Review and Retrospective**

Throughout this course, I have taken on many roles to demonstrate and explain the importance of the Scrum-Agile Methodology. While transitioning roles every week, I realized how important communication, transparency, and accountability are. It was crucial to maintain these three attributes as each role required us to be able to communicate progress, issues, concerns, requirements, and more which would allow us to complete the project to the Definition of Done (DoD), transparency allowed us to hold each other and ourselves accountable as well as put our trust in our team in many scenarios. These 2 attributes led us to accountability, which is also crucial in completing the project to DoD, boosting employee morale, and commitment within the workplace.

An example from a Scrum Master’s point of view is being able to communicate with the Product Owner and ensuring I understand the needs and wants of the client. Then having to take all that information is delivered to the development team. To ensure this happens the Product Owner and I will need to define product features and sprint goals and organize and prioritize the product backlog while creating user stories. User Stories are important as they help the development team understand features along with functionality, priority of each item, and how easy or difficult each item will be to complete to DoD.

The Scrum- Agile Methodology aided in user stories coming to completion as it specified the requirements and wants of the client and organized them based on priority level. This allowed the most important feature to be completed to the DoD first. It also allows us to see what we know versus the items that still have some grey area to them allowing time to get more information on items and integrating them into a future sprint once we know the details of said item. This prevents some of that extra work as the client might change their mind later. Due to the adaptability of the Scrum-Agile Methodology, we were able to change the type of vacation that the SNHU Travel application required based on client feedback.

As a Scrum Master within the Scrum-Agile Methodology, our team is able to have daily meetings which allowed for team collaboration and kept most everyone up to date on progress and addressed any issues or concerns that may arise. Any issues or concerns that were mentioned would be set up to be discussed outside of the daily stand-up meetings with the appropriate parties. Due to the flexibility and adaptability of the Scrum-Agile Methodology, we are able to take any changes and or feedback and implement them accordingly.

When the project was interrupted and changed direction the Scrum-Agile Methodology aided in the completion of the project. When we were testing the user stories, we were able to communicate what worked and what didn’t and communicate that to both the Product Owner and the client. From here the client and Product Owner were able to discuss any changes which the Product Owner then communicated to the Scrum Master to communicate to the development team. Again, because of the flexibility and adaptability that this methodology has to offer we were able to discuss concerns and implement necessary changes to meet the requirements of the client. Communication in the Software Development Lifecycle is one of the most if not the most important attributes as it allows the product development to run smoothly.

Another key attribute that aided in the success of my team was implementing Scrum-Agile principles and events. This allowed our team to set up and organize the workload per sprint. The Sprint Planning allowed the team to collaborate and determine which items were a priority and estimate the amount of time it would take to complete each item to DoD. Our daily stand-up also allowed us to communicate what has been worked on, what needs to be worked on, and what issues you may have encountered that prevent further progress. Another tool that helped aid the organizational success of my team was the use of JIRA. JIRA is a tool that effectively tracks progress in real time and lets the development team what has been completed and what is currently pending. A tool like this increases efficiency within the team and allows remote team members to be updated accordingly.

Due to the flexibility and adaptability that Scrum-Agile Methodology has to offer, we were able to complete the development of SNHU Travel without any major issues or delays. I would go as far as saying that the Scrum-Agile Methodology was the best approach we could have taken for this product.

However, there are some pros and cons of said methodology. One of the biggest cons of the Scrum-Agile Methodology is resistance to change. Due to the lack of information, Scrum-Agile methodology is also less predictable which may require more time and commitment. That is not to say that this methodology doesn’t work because we have proven that it does. In my eyes, this methodology has more good than bad compared to other types of methodologies. Some pros of the Scrum-Agile methodology are as follows: customer satisfaction, quicker turnaround times, reduced risk, adaptability, flexibility, transparency, continuous improvement, and improved collaboration and communication.