**Sprint Review and Retrospective**

During the development of the SNHU Travel project my team utilized a Scrum-agile approach to complete this application. This approach was more beneficial than the usual Waterfall approach we have taken in the past. The typical Waterfall approach in the past resulted in much time being wasted. Since testing and reviewing of the product was done at the end, if an issue arose, we had to start majority of the project over. With our Scrum approach since we had our daily stand-up and was constantly working with the Clients and reinventing our approach, very little time was wasted. This paper will analyze the benefits of using Scrum instead of the Waterfall methodology.

Every role on our Scrum-agile Team contributed to the success of the SNHU Travel project. Our Scrum team consisted of one Project Manager, one Scrum Master, three Developers, and two Testers. Our Project Manager contributed greatly to our success. She was in constant communication with the stakeholders. Whenever a change came up, she told us immediately. Also, she organized the User Story backlog and helped keep our team on track. During the many changes, our testers and developers were able to adapt immediately. The importance of Scrum is understanding changes happen constantly. These changes may happen in the middle of the project. Our daily stand-up helps us understand what needs to be done that day or couple days. Everyone is assigned a specific task or User Story. If changes come up, we can adjust what should have priority during the current Sprint. As the Scrum Master, I facilitated the daily meetings during our Travel Project. I ensured everyone understood what their tasks were. I allowed the members of my team to have the freedom to accomplish what needed to be done.

During our development of the SNHU Travel project the Scrum-agile approach helped each User Story come to completion. This was done because of the constant communication our Project Owner had with the Clients. She was very effective in gaining the information on what the Clients wanted done for SNHU Travel. With this information we were able to develop User Stories. Also, we were able to organize them by priority and size. During the project we realized that the type of vacation selection was a “high” priority. Whereas the price limit on vacation was a “low” priority. The Scrum approach allowed us to adjust easily when the project had changes. Such as, we had to change our “Top Destination” page to top 10 instead of five. Also, the clients wanted our project to be an App as well. We adapted quickly to this because our Project Manager emailed us immediately when changes happened. We would also have meetings reevaluating our priorities. If this were a Waterfall approach, changes could not happen this quickly due to the project being fully planned. Also, during Waterfall little communication is done during the project with the Stakeholders or Clients. Speaking of communication. Our Scrum Team’s ability to communicate with each other was a cornerstone of our project’s success. We constantly emailed each other when changes were made. We had our daily meeting where everyone was encouraged to talk. Every member brought their own ideas to the table on how to complete certain aspects of the project. Not one member, I included, spearheaded these meetings. Everyone was on equal footing and this encouraged collaboration amongst us.

We used certain organization tools and Scrum-agile principles to successfully complete our SNHU Travel Project. As stated previously, we relied heavily on User Stories to complete our project. The User Stories helped us understand exactly what the “Clients” wanted. Also, we used Scrum Boards to track our sprints. These boards acted as a “visual progress meter” on our User Stories. We were able to visualize where we were during our Sprint and what roadblocks we were facing. As for the principles that helped us succeed were, welcome changing requirements, businesspeople and developers must work together daily throughout the project, and finally, Build projects around motivated individuals. Give them the environment and support they need and trust them to get the job done.

This review and retrospective on our SNHU Travel Project should make it clear that the Scrum-agile approach was the best methodology for this project. We were in constant communication with each other and the Clients. Due to this we knew exactly what they needed, and when changes happened, we could immediately respond. With us constantly testing during each sprint and developing small increments to the project, we were able to succeed without errors. If this were Waterfall and we tested at the end if an error was found, we would possibly have to start our project over.

**Citations**

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