**Final Project**

1. *Demonstrate how the various roles on your Scrum-agile Team specifically contributed to the success of the SNHU Travel project. Be sure to use specific examples from your experiences.*
   * All roles of our Scrum agile team are important in making sure the process of completing a project is functioning properly and efficiently. In assigning different roles, everyone knows what part of the project they are responsible for and focuses on that alone.

**Contributions of various roles:**

* **Product owner**

Ensures that the Product backlog is prioritized and well defined. They also make sure that it is always in alignment with the relevant business objectives. They are always in close contact with the client and makes sure to refine user stories for the team as needed to always have clear expectations for the team.

* **Scrum Master (my role on the team)**

As the Scrum master, I make sure to facilitate daily Scrum meetings, manage any issues that we may come across during a project, make sure to prioritize communication with my team, and always encourage a positive and supportive environment.

* + - **Development team (Testers and Developers)**

The development team takes the feedback and instructions that they receive from the user stories and from the Scrum master and begins to develop the software based on the requirements that were specified by the client. They also test the software to make sure it is functioning properly.

1. *Describe how a Scrum-agile approach to the SDLC helped each of the user stories come to completion. Be sure to use specific examples from your experiences.*

In using the Scrum agile approach, the team was able to take the user stories and work to complete this project in phases. During the construction of each phase, there was constant communication between the client and the Product owner ensuring that all requirements were always up to date and would always communicate any changes with the team. Sprint planning is used to break down user stories into manageable tasks. Daily stand up meetings gives the team an opportunity to provide feedback and always be on the same page, communicate any issues they encounter, and make necessary adjustments. Sprint retrospective provides an opportunity to assess the progress of the project as well as involve the stakeholders in reviewing the process. Changes are easy to make within each phase resulting in an enhanced user story completion when an agile approach is taken to complete a project which is why it is highly recommended.

1. *Describe how a Scrum-agile approach supported project completion when the project was interrupted and changed direction. Be sure to use specific examples from your experiences.*

When the project halted or changed direction, the Scrum agile approach helped the team complete the project by being able to quickly and effectively make the appropriate and relevant changes required. For example, when SNHU travel communicated the changes they wanted to include in the middle of project development, the changes were communicated to me, the Scrum master, by the product owner. I then communicated these changes with the team in our daily meetings and they were able to move forward with the new requirements without any issues.

1. *Demonstrate your ability to communicate effectively with your team by providing samples of your communication. Be sure to explain why your examples were effective in their context and how they encouraged collaboration among team members.*
   * Communication is the most important part of successfully completing any project. The project for SNHU was no different. As the Scrum master, I make sure to make all requirements extremely clear and always ask the team for feedback. Daily morning Scum meetings are attended. I make sure the team uses Azure boards to use as a visual to see the different tasks assigned as well as letting the team see a live view of who has completed the tasks and what is left to be completed. If there is a change or issue that is urgent, we make sure to communicate via email, instant messaging, or phone calls.
2. *Evaluate the organizational tools and Scrum-agile principles that helped your team be successful. Be sure to reference the Scrum events in relation to the effectiveness of the tools.*

The organizational tools that were used to help us be successful were the following:

* **Planning and assessing the product backlog**. In order to fully comprehend the scope of work that is being required and to help develop a realistic timeline for the completion of a project, we make sure to properly plan and use estimating approaches. This helped contribute to the success of the project within the time frame that was allotted by the client and helps to ensure not taking on more than what the team could handle.
* **Stand up meetings**. Making sure to meet daily or regularly helps to always ensure effective communication and gives the team to provide any feedback they have during the development process. This gives the team an opportunity to promptly tackle any issues they may have or make adjustments that are required throughout any given sprint.
* **Sprint Retrospectives**. Gives the team an opportunity to reflect on the work that has been completed and provide methods to streamline their approaches. This helps contribute to the success of a project to always ensure that we are learning and growing and tackle any issues they may have missed.

1. *Assess the effectiveness of the Scrum-agile approach for the SNHU Travel project. Be sure to address each of the following:*

* Describe the pros and cons that the Scrum-agile approach presented during the project.

With any approach, there are always pros and cons. The pros of the Scrum agile method are adaptability, flexibility, and an approach that is highly collaborative. It has high customer satisfaction and includes constant interaction with stakeholders which helps with creativity and ensures better results.

The cons of an agile approach can include things like having issues at times with workflow coordination, difficulty planning in the earlier stages of the project, difficulty provided an accurate project completion estimation, and mainly requiring only experienced software developers on a team.

* Determine whether or not a Scrum-agile approach was the best approach for the SNHU Travel development project.

I believe that the Scrum agile approach was the best approach for this project. The project had many requirements that were in need of the flexibility and the adaptability that is provided within this agile method. Great communication was also provided which helped to ensure high customer satisfaction.