**Class: CS-250-J7315 Software Development Lifecycle 2E3W6**

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**Sprint Review & Retrospective**

**Demonstrate how the various roles on your Scrum-agile Team specifically contributed to the success of the SNHU Travel project.**

**Project Owner**

The project owner set the tone and cadence of the project. They have the initial relationship with the client and lead the project from an overarching high-level view to include understanding the timeline and the budget involved to successfully drive the project to a conclusion on time and within budget. In this case, the project owner was in the initial meeting with the client from SNHU Travel and clarified what exactly was expected of the program and some of the key elements that the client wanted the app to do. A few more questions might have led to the project starting with the focus on health and wellness destinations, however plans often change so having the Team ready to adapt to changes mid-stream was not a problem.

**Scrum Master**

The Scrum Master ran the day-to-day operations keeping the communication flowing between the Project Owner and the Team. They ran an effective daily scrum meeting and ensured that any obstacles the Team brought up were addressed to keep the impediments to a minimum. They also ensured that the backlog kept moving along and they were responsible to ensure that the Team stayed productive and self-organizing. In the case of the example scrum meeting, the scrum master was somewhat effective, but could have kept the off-topic discussion shorter and done more to ensure that the entire Team made the meeting on time. I make any late Team members either pay $1 towards a community fund or sing for the group. I rarely have anyone late.

**Tester**

The testers were effective in reporting and tracking any of the bugs and flaws that came up along the way. They pushed the development Team to thing beyond the initial scope set by the client and to work on some enhancements that would not have been possible had the Team waited for a finished product before implementation and testing. They spent considerable time in detailing monitoring and pushing for continual improvement in a constructive way. The testing team in an integral contributing Team that keeps the project on task and on schedule.

**Developer**

The developers spent their time focusing on the completing their established tasks in a timely manner, working hand in hand with the testers to ensure there was a cycle of continuous improvement. They spend some time in documentation that can be used for improvement in future projects and they review their code and framework for potential issues so that the product they pass on to testers has been vetted as a quality product, not near finished or perfect, but on its path towards the conclusion of the project.

**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.**

With the scrum-agile approach that fosters an environment where it is acceptable to fail, there is more room for a Team to brainstorm and come up with ideas without feeling like their ideas won’t be accepted. The daily scrums were an excellent place for the Team to meet and troubleshoot through areas that were a challenge. The open dialog made it easy for various members of the Team to collaborate and share ideas. The peer to peer sessions helped them work through and learn from each other and the weekly retrospectives were helpful for everyone to reflect back at what worked well and what was a challenge, how to adjust the approach for the future and improve down the line. The cadence of one week is long enough for things to have happened but short enough for everyone to recall how the week went and adjust accordingly.

**Describe how a Scrum-agile approach supported project completion when the project was interrupted and changed direction.**

When the project shifted gears from top 10 destinations to destinations focused on wellness and spa destinations, already working within an agile framework made it possible for the Team to quickly pivot, use many of the existing framework and quickly pivot with strong communication and self-managing tasks, the Team rallied, supported each other, and made it happen. They used the daily scrum meeting to strategize on what needed to be adjusted, they looked closely at the backlog board and the Team collaborated with each other understanding each other’s strengths to build on the existing project and shift. Had this been started with the waterfall approach, it would have most likely been a scenario of starting over and they would not have been able to make their deadline.

**Demonstrate your ability to communicate effectively with your team by providing samples of your communication.**

**Developer in Daily Scrum** – Hi Team, I had a super productive day yesterday working through the shift from top 10 to wellness destinations. I want to give a huge Thank You to Jessica who stayed late to work through it with me. Her insights were invaluable and I will be able to use some of her ideas for other projects down the line. Today I will be working on further shifting our strategy to still make the deadline but I know we can knock it out of the park. The only thing that is slowing me down at this point is that I still don’t have the tester’s notes from yesterday and the backlog board isn’t up to date. Jim, can we spend a few minutes after this meeting to catch up and go over that? Thanks everyone, I’m looking forward to another grateful day!

Tester asking for clarification from the developer by email - Hi Jessica, Thank you for your user stories, they really paint the picture for me on what the client is looking for. I just have a few questions before I go any further. I have a sprint deadline of tomorrow so if you could get back to me by end of the day that would be fantastic but tomorrow morning will still work since I know I am not giving you much time. If you could detail out the below bullet points, that will assist me in ensuring things are just as expected.

* Should the destinations be listed alphabetical by country or by the destination name?
* How long can the description be? I am asking because the box doesn’t look big enough.

Thanks for your attention to this and I look forward to hearing from you.

**Evaluate the organizational tools and Scrum-agile principles that helped your team be successful.**

I am an advocate of a virtual backlog board using software such as Azure even when the Team is working all in the same space. I just find that the ability to see the changes to the board update automatically and instantly is much more effective than having to walk to a physical board that may not be close to your desk, and if one Team member must work remote from time to time, they can still be included. I also find Teams to be an extremely useful tool which allows for easy chats that can clear up questions simply with no interruption. The daily scrum meeting taking place in one space with no table and a ball or small item to toss to the next speaker is a great way to get everyone listening and participating with each other.

**Assess the effectiveness of the Scrum-agile approach for the SNHU Travel project.**

**Describe the pros and cons presented during the project.**

**Agile Pros**  **Agile Cons**

Allowed for flexibility Can lose focus if given too much rope

Emphasis on Collaboration New Team used to waterfall can have

Drive for continuous improvement a hard time adapting

Adaptable

**Waterfall Pros**  **Waterfall Cons**

Clearly defined pace Little room to change the plan

Predictable schedule Lack of flexibility

Team knows what to expect A lot can change between start and finish

Leaving chance that what was ordered

Is no longer exactly what is needed.

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

As noted earlier, I feel that agile was the right approach for this project. While there might not necessarily have been a change, in this case their was and the Team was able to pivot with a strong Team collaborative culture and a communication platform already set up. The Team was already working under a structure of expected continuous improvement and flexibility. When change was thrown at them, they were ready.