CS250

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**How various roles on your Agile team contributed to the SNHU Travel project**

The scrum-agile team involved various roles, they include the development team, product owner, and the scrum master (Adi, 2015). The three functions described significant responsibilities on the team in the development of the software. The pros of the scrum process are self-organization, empiricism, and continuous improvement. These traits also allowed the team to deliver high-quality work. The team involved in the software development was knowledgeable on the back-end system, technology, and business domain. The daily scrum in software development helped ensured that all team members remained motivated and informed. The development team used the daily scrum to adapt to the work thus guaranteeing the work was conducted effectively. The product owners helped guide the software's direction and ensured the team delivered the best product possible.

**How an Agile approach to the SDLC helped complete each user story**

The user stories were used to describe the type of software developed, what the user wanted, and why they wanted it to appear that way (Jacob, 2019). The user story used in development helped create an end goal product for the development team. The user stories also helped to ground the project and give it a clear end goal. When the software requirement changed as the project progressed, the user stories helped to keep the team on track. As a result, the time needed to redesign the software was reduced.

**How an Agile approach supported completion when the project changed direction**

The Scrum-agile approach exposed the obstacles and problems experienced in software development (David, 2017). The scrum-agile process allowed the team to fix issues or find a way to accommodate them. Whenever interruptions were experienced by the team, the Scrum-agile approach helped to assess the cause of the problem, fix it, and move forward based on the lessons learned. The Scrum-agile approach helped to fix defects that would have made the software defective.

**Demonstrate your ability to communicate effectively with your team**

In the Scrum-agile approach, communication is different; it emphasizes directness, simplicity, and face-to-face conversation (Moses, 2017). It’s important to incorporate communication in any software development because teams need to address the project's collective work and success. Face to face communication was utilized to convey information within the development team. The project team followed all agile approaches that involved face to face communication.

**Specific examples of the messages delivered by the project manager**

‘We should first identify critical elements of the project so that we can ensure success and base our goals around them.’’

**Organizational tools that helped the team succeed**

The scrum board tool helped the team track the sprints; it was used as a visual progress meter to review the time and work (Richard, 2015). The scrum board helped the team meet project deadlines. The sprint backlogs tool helped the team visualize each step in the process, which helped set alerts for the fluctuated changes and prevented data replication.

**Agile principles that helped the team succeed**

The principle of self-organization enabled the team to deliver high value work because of the shared creative environment, shared ownership, and innovation (Denis, 2017). The principle of collaboration in the scrum agile principle also allowed the team to better work together. Moreover, the team was able to manage changes and interruptions through the regulation of iterative development.

**Effectiveness of the Agile approach for the SNHU Travel project**

The scrum-agile approach made the development process take shorter iteration. It was easy to adapt to the interruptions and changes, which made the project run smoothly (David, 2017). An agile approach made it easy for post-sprint feedback, allowing the team to implement additional requirements almost immediately. Overall, the team didn’t experience or report any shortcomings, therefore leading the team to conclude that the agile methodology was the correct choice.

**Whether or not an Agile approach was the best approach**

The Scrum-agile approach was the best approach for the development of the website. It was concentrated on teamwork (Richard, 2015). The agile approach supported communication among the members which significantly improved the team’s efficiency and effectiveness. More importantly, the agile methodology allowed stakeholders to see the progress of each day, while the communication among the team helped them to better approach the project in case of any interruptions and faults.

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