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04/14/2024

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CS-250

Final Project

The Product Owner was instrumental in defining and prioritizing user stories based on stakeholder and user feedback. For instance, in the Module Four Journal, the Product Owner emphasized the importance of gathering non-functional requirements, which helped shape the testing strategy and ensure the platform's reliability. Developers in the module five journal focused on implementing the features outlined in user stories that can later be carried on for testing. By actively engaging with the Product Owner and Tester, developers ensured that the implemented features met the acceptance criteria and were aligned with user expectations. Testers played a critical role in ensuring the quality and reliability of the software. Through regular feedback loops with developers and proactive communication, testers identified bugs and issues early in the development process, preventing them from escalating into larger problems later on. Testers documented their work to demonstrate effective implementation of user stories. Testers further participated in agile methodology by bringing up a lack of focus on issues such as security in their journal documentation.

The Scrum-agile approach facilitated the completion of user stories through iterative and incremental development. The practice of backlog refinement allowed the team to collaboratively clarify user stories, ensuring that they were well-understood and actionable. As mentioned in the Module Two Journal, this process involved working closely with the Product Owner to prioritize and refine user stories based on business value. Sprint-based development enabled the team to deliver working increments of functionality within short timeframes. By focusing on a subset of user stories in each sprint, the team could prioritize tasks based on stakeholder feedback and business value, leading to a steady stream of completed features.

The Scrum-agile approach supported project completion even when facing interruptions and changes in direction. Agile methodology's emphasis on adaptability allowed the team to respond quickly to changing requirements and priorities. For example, in the Module Five Journal, the Developer emphasized the importance of clear communication and regular feedback loops to address issues promptly and ensure progress despite interruptions. Through Sprint Retrospectives, the team regularly reflected on their processes and identified areas for improvement. This iterative approach enabled the team to adapt and refine their practices over time, mitigating the impact of interruptions and changes in direction. The user stories that were provided in Module Three showcased user wants and needs that related to website search results based on unique user needs. This was then relayed to the team and promptly recognized in the development process, without agile methodology these user needs may never be met or even known until the end of the development cycle.   
 In the Module Four Journal, Testers demonstrated effective communication by reaching out to the Product Owner and Product Manager to gather additional information for test case development. The email clearly outlined the specific information needed and the importance of timely response, facilitating collaboration and ensuring project success. Throughout the journals, there were instances of developers and testers maintaining regular feedback loops to address issues and clarify requirements. This practice encouraged collaboration and transparency within the team, fostering a culture of continuous improvement.

Throughout the course of the development process the team utilized stories to gain a better understanding of stakeholder desires and concerns. These stories were then communicated to the team for development purposes to modify the development process to best reflect stakeholder values. This was showcased when user stories showed a need for an enhancement of the search function to better reflect specific user interests. The backlog was utilized throughout the project and referenced in any situation where current target goals were relevant. To further ensure backlog accuracy and relevancy the agile stand-ups and reflections were utilized to gain insight on team member needs and assess workload.

The iterative nature of the Agile Methodology allowed the team to respond quickly to changing requirements and priorities, ensuring that the project remained aligned with stakeholder needs. Scrum events promoted transparency and collaboration within the team, fostering a culture of open communication and continuous improvement. However, the success of the Agile approach relied heavily on active stakeholder engagement and feedback. Without consistent involvement from stakeholders, the effectiveness of the process could be compromised. The utilization of the Agile approach proved to be highly effective for the SNHU Travel project, enabling the team to deliver a high-quality product within the specified timeframe. While there were challenges along the way, such as interruptions and dependencies on stakeholder engagement, the agile principles of adaptability, transparency, and continuous improvement ultimately contributed to the project's success.