CS250

Module 7 Final Project  
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* **Applying Roles: Demonstrate how the various roles on your Scrum-Agile Team specifically contributed to the success of a project. Use specific examples from your experiences.**

The tester communicated a need for further clarification during one sprint, alerting the team to a potential blocker and prompting the product owner to reach out to the client for additional details.

The scrum master led scrum events effectively, ensuring that daily standups went smoothly and remained on topic, gave time to her team members for issues to be discussed after the daily stand up.

The product owner was then able to provide a mockup to the team from the client, enabling the developer to pivot from the client’s original requirements to the new requirements evident in the client provided mockup.

* **Completing User Stories: Describe how a Scrum-Agile approach to the software development life cycle (SDLC) helped user stories come to completion. Use specific examples from your experiences.**Using a Scrum-Agile approach to software development enabled rapid iteration on the product, with each sprint focused on a small number of user stories. The product owner was able to define important steps to complete as user stories, provide the team with an understanding of the expected complexity and time requirement for each, and enable the developer and tester to identify the key requirements for the successful completion of the project.
* **Handling Interruptions: Describe how a Scrum-Agile approach supported project completion when the project was interrupted and changed direction. Use specific examples from your experiences.**

Established lines of communication between the team and client through the product owner enabled the team to receive the updated product requirements during the sprint. Using the updated requirements, the developer and tester were able to amend each user stories success criteria and ultimately prevent a major blocker from becoming an issue, had more time been spent using the outdated client requirements.

* **Communication: Demonstrate your ability to communicate effectively with your team by providing samples of your communication. Explain why your examples were effective in their context and how they encouraged collaboration among team members.**Daily standups were especially effective during product development, by providing the each team member an opportunity to update the rest of the team on how their portion of the sprint went, the teams overall understanding of the product was greatly improved.   
    
  Outside of the daily standups, an environment of open communication enabled team members to communicate effectively via email, in one particular instance regarding a need for clarification regarding product requirements and the clients expectations for certain features. This led to the discovery of a change in the clients expectations that had not been communicated prior to the beginning of the sprint and allowed the team to pivot to the new requirements, updating test cases and user stories accordingly, during the sprint.
* **Organizational Tools**: Evaluate the organizational tools and Scrum-Agile principles that helped your team be successful. Reference the Scrum events in relation to the effectiveness of the tools.  
    
  The most effective tools used were information radiators, by providing the team with up to date information on the status of the project, each team member was able to maintain a higher degree of awareness of the overall state of the project.
* **Evaluating Agile Process**: Assess the effectiveness of the Scrum-Agile approach for a specific project. Address each of the following:  
  + **Describe the pros and cons that the Scrum-Agile approach presented during the SNHU Travel project.**The project benefitted from the scrum-agile approach, in part due to the flexibility provided by the agile methodology. By delivering a minimum viable product through each sprint, the team was able to ensure that the product met the clients expectations, and in the instance where those expectations changed the team was able to pivot to the new requirements mid sprint.
  + **Determine whether or not a Scrum-Agile approach was the best approach for the SNHU Travel development project.**  
      
    As the client’s requirements changed during the project, the agile approach was the best approach. If a waterfall methodology had been used during development, the project would likely have been set back due to the unexpected change in requirements.