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CS250: Software Lifecycle Development

Final Project: Sprint Review & Retrospective

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.**

Each role throughout the SNHU Travel Project contributed directly to the development of the overall product. To begin lets break down each role and explain how:

* Product Owner: The Product Owner initialized the project by having a client meeting with the clients and the Scrum Master asking them questions and requirements they would like for their SNHU Travel software application. The meeting was held and from that meeting, the Product Owner was able to formulate user stories based off the clients need such as:
  + A list customized for user based on previous travel or profile
  + Top Five Destinations List
  + Price Limit
* Tester: The tester then collects these user stories and create test cases in order for it to be further broken down based on the needs and design functionality for the development team. For example,
  + If the user wants to select an option labeled “My Profile” on the website, the browser functionality must have the link displayed for user to click and then must perform the task at hand which is to open browser to client’s profile. Additionally, since client requested for “previous travel to be displayed” this function and history must also be incorporated into the test case for the development team.
* Developer: As the developer, most of the work and questions arises at this level which means most of the Daily Scrum meeting will be product feedback coming directly from the development team. When you begin making the code based off the test cases, specification arises as you start the development process. For example,
  + Did the client want their Top Five Destinations displayed as a slideshow? On a separate browser? As a list? What color and font would they prefer to have? What kind of vacations? Do they have a preference option? Etc.

All of these roles working together impacts the overall product delivery as long as open communication and consistent flow of the Scrum and agile methodology are applied.

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.**

The Scrum-agile approach to the SDLC helped each of the user stories come to a completion because it maintained the agile principles it allowed for open communication and continuous feedback for the user stories to be tailored to its current specifications. As the test cases were being broken down, immediate questions arise and simply addressing them as they come along assisted the Product Owner in asking the clients to clarify their specifications.

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.**

Since the Scrum-agile approach is a methodology/approach that favors incremental changes, collaboration and interactive work when it came to changing directions of the project, the change was welcomed. Since the project was based on vacations, the project shifted to a more wellness and detox specific vacation packages. At its core Agile is based on circumstances that change the projects development. This was just an adjustment, where all roles come together to support the change.

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.**

*“Hello Matthew,*

*Thank you for choosing the role of the Scrum Master, your role is crucial for this transition. We will be working closely not only to implement the change but to put forth the rules and regulation of Scrum and Agile methodology especially to our clients and Product Manager.*

*As your Product Owner, not only will you hold me accountable but it is also your job to hold everyone else accountable in their designated roles and the overall functionality of working in an agile team.*

*As the facilitator of this entire process, maintaining the daily meetings, assuring those who need to be there are present, and assist the overall team with the transition is key factors that sits your role.*

*Look forward to working with you!”*

Above is a recent example of how communication is effective and key when it comes to collaborative work. As team members, we must set forth a tone and open invitation to communicate and working together. It’s also important to humble yourself in leadership roles to allow others the ability to be honest and open with you as a leader.

1. **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.**

An organizational tool used for Scrum Agile principles is Azure Boards; *“Azure Boards provides software development teams with the interactive and customizable tools they need to manage their software projects. It provides a rich set of capabilities including native support for Agile, Scrum, and Kanban processes, calendar views, configurable dashboards, and integrated reporting.”* A good example of how Azure boards makes Scrum events effective is “*It supports agile methodology out of the box “* and *“You can easily plan your epics, features, user stories, tasks and bugs.”* Which is essential for product backlog, Daily Scrum Teams, Standups, Sprint Retrospective and much more.

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

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

|  |  |
| --- | --- |
| Pros | Cons |
| When the project changed, it was easy to adapt to the change and make necessary changes.  Example:  “Changing vacation packages to only detox and wellness vacation” | It’s a little frustrating to be already working on one thing and then change direction on something else. |
| Communications is constant and feedback from clients is integrated daily throughout the development process. | Clients can continue to alter or change their original requirements based on their changing wants and needs. |
| Daily Scrum meetings helps keeps the daily task centered and a great way to see where the team is in the development process. | Sometimes the Daily meeting can get side tracked with personal issues related amongst employees instead of the work. |

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

I believe a Scrum-agile approach was the best approach for this SNHU Travel project. When it comes to developing software that is going to be used daily by a large amount of customers, an agile approach helps create a product that will satisfy the clients and exceed expectations. Just how Amazon continuously uses its customer’s reviews to implement change and uses the agile methodology to its core, the SNHU Travel project would best thrive in similar approach to it.

**References**

What is Azure Boards? Tools to manage software development projects. - Azure Boards.(2022, March 7). Microsoft Docs. Retrieved April 10, 2022, fromhttps://docs.microsoft.com/en-us/azure/devops/boards/get-started/what-is-azure-boards?view=azure-devops