Sprint Review and Retrospective

Julia Coronado

Southern New Hampshire University

Prof Iles

December 17th, 2023

Different Roles

As I have completed this project and have been in many different roles, I have learned the importance of each role in the SDLC and how they contribute to the success of a project. Using the agile approach our team consisted of a Product owner, scrum master and the development team. Each of these roles are so vital to the success of any project. Each role has defined goals, and all these goals together help complete the desired product.

SDLC Stages

The product owner’s role is a very important one as this is where the project information will come from. The product owner helps communicate the needs of the stakeholders to the scrum master. The scrum master role is also another important role as they are the intermediary for the product owner and the development team. Being in the product owner’s role is important as when developing the travel website suddenly there was a change that needed to be implemented. This change needed to be implemented right away as they wanted to show destinations for wellness and relaxation. The product owner then worked with the scrum master. This role is also vital because this is how we communicate with the development team about the changes that will need to be made. As the scrum master it was important for me to keep my team informed and update about what is needed and when it will be needed. When working in the development team it was very important to have it communicated with us what the expectations were and goals to be set. During this change in direction, it was important for us to know if we still had to complete previous projects or if the focus would shift to the new direction scrapping all old work that has been done. All of this was so important to the completion of the project and keeping the communication between the team transparent and focused as possible.

Waterfall Approach

If the team were to use a waterfall approach during this project the management of the changes would have been difficult to make. Using the waterfall approach most resources are used to complete one project at a time. If the project changes direction, then the whole project will have to be scrapped and start a whole new project which can be a waste of time and resources. The rigidness of this method would make it so difficult to make changes to the project. Something as small as changing the theme to wellness and relaxation would require the whole team to scrap the current project and start over. This will result in a significant delay in stakeholders receiving the product, which is not something that is desirable. This would have been a method that should not be used to create software as developing software is highly fluid and changes and needs can change rapidly. With this approach it will lead to team disengagement because stopping a project, getting rid of work you have already and starting again can be frustrating.

Agile or Waterfall

Knowing both of these methods it is important to make sure that the method we are choosing is the best for the product to make. This is why I chose to use the agile method as there are countless benefits to using this system. One of the important things agile does is make it easy to make changes. This makes the work much easier because using this method allows a large amount of work to be done in small increments. Working like this allows the changes to be implemented quickly. The agile method also results in much better communication between the team and the product owners and scrum master and the development team. This communication helps with teamwork, and it keeps the goals clear and concise. From a monetary purpose this is also the best method as well as we are able to complete work quickly and make changes as they come which is something that is highly desired by stakeholders. Another benefit is being able to scale projects. This is important as staffing wise you are staffed just as much as you need and if there are changes you are easily able to accommodate the appropriate staffing. Overall, this is the best approach. This approach makes the work environment better and better-quality projects are created. The team are much happier and more engaged as they know the work that needs to be done and when it needs to be completed. This communication and clarity are needed to produce the best possible product in a short amount of time. This makes everyone happy, and this makes this the best choice when developing software. With technology and needs being ever changing I see agile as the best way to manage projects moving forward