Choosing the Right Approach

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Agile Roles and Their importance

Product Owner

The product owner is responsible for understanding the product and its goals. Not only that but they also help prioritize tasks for the team and communicates between the team, stakeholders and users.

Scrum Master

The Scrum master is the facilitator leading and serving the development team and the product owner. Moreover, as a leader and servant they also remove bottle necks and enable the team to develop the product using agile principles

Development team

The development team is a group of professionals that are cross functional and build design and test the product. they use agile principles to complete backlog items to complete the product.

Phases of SDLC and Agile

Planning:
This phase is crucial for prioritization and highlevel goals this is where the barebone begins and allows the team to establish a vision.

Analysis:
This phase is where the team creates refinement and involves feedback from users as well as stake holders and becomes an iterative process throughout.

Design:
Design is the process where the team iterates by start simple and flexible so that as the product develops it can be continuously developed even as the product changes and grows in complexity

implementation:
implementation is the process in which the team builds increments with the tools they will use for the project and this is where increments are built and integrated

Testing:
Testing involves using various forms of testing to enforce the definition of done and that Bugs and other edge cases are ruled out.

Deployment:
Deployment is the process of rolling the product out for final testing and validation this process unsures that the product can handle the production environment for users and customers.

Maintenace:
Maintenance is a ongoing process the team uses to maintain the product through updates, bug fixes as well as enhancing and patching as needed.

Waterfall model

The waterfall models use in this project would have made it turn out much differently. For example during the project a new requirement came up that made us focus on creating that item and presenting it. I will also present how differently the team would have handled and how the project may have turned out.

Project timeline:

THe project timeline would have been affected due to the sequencial nature of the developmentstyle. Project managers wouldn't have to start over but may have to put some serious man power on developing a single user requirement in this case the team might not have had much issue but it could have added weeks onto the delivery date.

Approach:

The approach in this case would involve going back to the documentation bring the team together and everyone working on that story so they can go to the next step in development. In this case that means recreating the entire landing page to show detox and wellness vacations before moving onto the next step.

Outcome:

Due to the nature of Waterfall I do believe this project would have taken longer. Without the collaboration between the development team they would have to work through each step one by one rather than on all fronts.

Waterfall vs Agile

Waterfall and Agile can be used successfully but that depends on the type of project that is being created below is a table that highlights scenarios where it might be best to use one or the other.

Waterfall	Agile
Product requirements are known and well documented	Product requires adaptive and iterative design
Scope of project is well known with limited ambiguity for budget, timeline, and product items	Requires efficient and low cost production and the most alignment with all customers
When the process is sequential and less volatile	The product requires constant updates and maintenance

Sources

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