Roles and Resonsibilities of Agile Teams

Agile roles are structured to promote collaboration and efficiency in project development. The key roles include the Product Owner, who represents the stakeholders and prioritizes the product backlog; the Scrum Master, who facilitates the Agile process and removes obstacles for the team; and the Development Team, composed of cross-functional members who work collaboratively to deliver incrementally. Other Agile frameworks may introduce additional roles such as the Agile Coach or User Experience Designer, but the core roles focus on maximizing value delivery and fostering a self-organizing team environment.

Phases of Agile Software Development Lifecycles

- <u>Phase 1: Planning</u>

- <u>Phase 2: Design</u>

- <u>Phase 3: Development</u>

- <u>Phase 4: Testing</u>

- <u>Phase 5: Release</u>

- <u>Phase 6: Review</u>

(Dziuba, 2023)

Agile vs Waterfall SDLC

"Agile is flexible and iterative, emphasizing continuous feedback and adaptation. Waterfall is sequential and rigid, with distinct phases completed in order. Agile promotes ongoing collaboration, while Waterfall focuses on thorough planning and execution in predetermined stages."(Forecast Team, 2024)

Choosing Waterfall methodology over Agile development may have created the creative term for product development drought. Collaboration is reserved for top level executives early on in the planning phase and leaves feedback and communication as a mirage, that hinders true product development across teams. Waterfall development may be outdated for social settings and when feedback is truly necessary to complete projects iteratively.

Waterfall or Agile Development?

By choosing the Agile approach for this project, the teams for SNHU Travel completed an application in a timely manner with team building and successful structure due to the nature of communication and feedback that Agile development proposes for software development projects.

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