Agile Presentation

What it is and why it was so important for our team's success

Roles on Scrum-Agile Team

Product Owner

- Bring Product Vision to Life

- Have a constant pulse on the market and customer

- Focused on understanding business and market requirements

- Prioritizing work for development team

Scrum Master

- Scrum experts within their team

- Coach developers, product owners and business

- Servant leader

- Fine-tune process along the way

Development Team

- Developers and designers who day in and day out work to accomplish sprint goals

- Collaborate with product owners on how much to complete in each sprint

- Think about how to improve development practices and communicate those to Scrum Master

Drummond, C. (2018). *Scrum - what it is, how it works, and why it's awesome*. Atlassian. https://www.atlassian.com/agile/scrum.

Phases of SDLC in Agile approach

Concept

- Select the project

- Map out the vision and outcomes

Inception

- Planning stage of the entire project

- Initiate the project

Design Development & Construction

- Building a working system

- Iterating based on the changes/requirements of stakeholders

Testing & Integration

- Application go through QA

- Testing again after involving the requirement

Implementation Deployment

- Monitor for removing bugs, updating functionality, adding new features

- Ready for deployment

Retirement

- Application goes through QA

- Testing again after involving the requirement

Tyagi, N. (2021, June 16). *What is agile Software DEVELOPMENT?: Agile software development life cycle*. What is Agile Software Development? | Agile Software Development Life Cycle. https://www.analyticssteps.com/blogs/what-agile-software-development.

Waterfall vs Agile

Waterfall

- Straightforward and upfront planning structure

- More traditional approach to project management

- Endeavors to plan the entire project from the start

- Relies on documentation

- Carried out in named phases

Agile

- Openness to change and iterative approach to product development

- Less rigid than waterfall

- Centered around rapid, continuous delivery

- Values stakeholder and client feedback

- Better for ongoing projects

Inc, W. (2020). *When to use Agile vs. waterfall*. Wrike. https://www.wrike.com/project-management-guide/faq/when-to-use-agile-vs-waterfall/.

Conclusion

Scrum-Agile

Clear Winner for Our Team

Based on the presentation it is abundantly clear that the scrum-agile methodology allowed our team the flexibility and ability to adapt to all the necessary changes. Had we continued with the waterfall methodology, the changes that came halfway through the project from the product owner would have required us to start from scratch and create an entire new plan. Based on our business structure and end-user/market data, I would advise we continue this approach with our next project. We have already administered substantial training and experience with this methodology and our team needs the openness to adapt to a constantly changing world.