

Christopher Mehn

Professor: Dr. Carlson

Subject: Software Dev Project 1

9 September 2021

## Agile Software Development Model

The agile development model allows the developer the freedom to stay focused on the tasks at hand when working on a project. As the name states, this process is heavily themed on its ability to easily and efficiently respond to change as they appear in the development process. Whether working on an internal or external project, this model greatly helps bring about the best in all projects by allowing developers stay focused on the tasks at hand. For instance, a development team at Paycom were given a project to complete within 6 months. After working on the project, they finally completed it and sent it to the next level of management team. The team then informed the development team that the product was vastly different from what they envisioned. With the implementation of the Agile model, communication occurs more rapidly which would have allowed this management team to actively correct the mistakes along the way.

The practice of methodology is the set of conventions that a team agrees to follow. In the late nineties, methodologies emphasized the close collaboration between the development team and business stakeholders. By doing this, they hoped to improve the frequent delivery of business value, tight, self-organizing teams, and more efficient ways to craft, confirm, and deliver code. The individuals who created the methodologies figured that others might be interested in getting some of the same benefits they were experiencing leading them to create frameworks to spread this idea to other teams in other organizations. This led to the origin of famous frameworks such as Scrum, Extreme Programming, Feature-Driven Development, just to name a few.

The Agile process emphasizes four core values, including individual and team interactions over processes and tools. It also forces team members to work with software that allow comprehensive documentation, customer collaboration, and responding to change over following a plan.

Though this development model emphasizes communication, that theme can also lead to its downfall. Due to the constant change and update to codes, it is very easy for a programmer to make changes to code without updating the comments. The updated documentation could even be misleading if another individual attempts to read a code that does not have an updated comment to represent code. Also, if multiple design teams are working on a project and one person does not update a documentation, that can be very misleading for everyone else participating.