

Courtney Carbone
1/31/17
CMPT 220 Lab 1
Agile Development

Lab 1: Agile Development vs. Software Development Process Essay

Agile development is a group of software development methods in which solutions evolve through collaboration between self organizing, cross functional teams. Many of the agile methods are different, but contain the same vision and core values. Some of the core values are continuous planning, continuous testing, continuous integration, and other forms of continuous evolution of both the project and the software. The main mindset that the agile methods share is the theme continuous. Another main purpose of the agile methodology is to empower people to collaborate and make decisions together as quick and effective as they can.

While agile development is forever changing and helps with unpredictability, the software development process has a set cycle that doesn't change. The software development process has multiple stages to get the job done. The process includes requirements specification, system analysis, system design, implementation, testing, deployment, and maintenance. The software development process has more structure than the agile development methodology. An advantage to this is that the structure allows order and makes sure that the software works efficiently. For example, at any stage of the cycle, it may be necessary to go back to a previous step to correct errors or issues that are preventing the software from functioning properly. This makes certain that there are no problems and that the software is running as expected. This, however, could also be a downfall because it could be time consuming. On the other hand, agile development has its advantages and shortcomings too. The advantage is that it is a collaborative

effort and that the more minds you have the better to make an effective and efficient software. The downfall to this is because it is forever changing a time frame on the final product is uncertain.

As a programmer, I would prefer the agile development methodology as opposed to the software development process. A main reason for this is because it is collaborative and each team can bounce ideas off of each other. Also, I like how it is more flexible as opposed to the structured software development process. Agile development is better suited for me.

Sources:

Liang, Y. Daniel. *Introduction to JAVA Programming: Comprehensive Version*. Upper Saddle River, NJ: Pearson/Prentice Hall, 2007. Print.

"What is Agile Software Development?" VersionOne. VersionOne, Inc, n.d. Web. 31 Jan. 2017. <<https://www.versionone.com/agile-101/>>.