

Waterfall Model vs Agile Development Short Essay

The waterfall model and the agile development model are both forms in which projects can be organized to complete. In order to start and finish a project assigned there must be a plan to know what will happen during the process that it takes to complete the project. The waterfall model consist of 7 steps that connect each other in order to continue to the next phase of the project. Requirements specification, system analysis, system design, implementation, testing, deployment, and maintenance are the 7 phases that create the waterfall model. The first step, requirements specification, is to understand what the software is needed for and what it is expected to do. System analysis is figuring out what is needed for the software and the user to interact. System design is creating the input, process and the output. Implementation is taking everything that is needed from the software and creating code for it. Testing is letting fresh pair of eyes trying out the code created to find any bugs that it may have. Deployment is when the software is put online to be ready for use by the users. Maintenance is after the deployment where the software has been running and see if there are any changes that can help improve the software. Although the waterfall model is a very simple and precise plan the phases can go the opposite way as well to double check for any errors that can help with the software.

There are many more models available to make a plan besides the waterfall model like the agile development model. This model cuts out multiple steps from the waterfall model to save time which translates to saving money. Instead of speaking to the client and asking them for their ideas and expectations of the software at the beginning of the plan the agile development model is constantly asking feedback from them. Software is made earlier during the stages of the

project to have a sense of what the software can be. This makes it easier to see what can be improved and if there are any last minute inputs from the client. There is a better form of interaction with the software developing team and the customers that makes it more comfortable for both sides to finish the project with minimal differences. Even though the waterfall model and the agile development are two different plans that can be used they can be useful for different projects or different companies working with clients to create software.