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CMPT 220
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Lab 1 Short Essay

Agile development is a methodology that aids in project management. The key ideas of agile development revolve around scrum, which breaks down production into smaller more manageable bits, and allows for constant feedback between the customer, the manager, and the producers. Allowing for the direction of a project to be assessed and changed more easily through the development lifecycle is one of the highlights of agile development. “Sprints” are small portions of large products that can be given an estimated time for completion and then assessed upon completion, allowing for the team members to collaborate easily and work together to complete large projects.

Requirements specification, as mentioned in the book, is a formal process of addressing the details and requirements of a software system. The entire process is broken down into seven main stages which help organize the development of products. The key factors of requirement specification are that everything is very strictly laid out and agreed upon by the customer right from the beginning. This planning phase requires developers to work very closely with their clients in order to ensure everything will be conducted accordingly. By laying out the blue prints and specifications of the program right from the beginning, this allows the developers to work quickly and efficiently through the project as the client has already decided on what the final product should look like. One drawback however, is that if the client decided to make a change,

often times developers will need to back step to previous stages of development in order to accommodate.