**Matthew Rowe - 17194164**

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**Agile Software Development**

Please answer the following questions regarding the Agile Software Development Methodology and remember write the answers **in your own words** supported by citations from your references (in the reference section). Type your answers in this document as you will be asked to submit this to Moodle. Please use at least two diagrams (Agile, Waterfall model) to help illustrate your answers to the questions below.

1. Briefly describe what is meant by the Agile Development Methodology. In you answer, include short descriptions of the following: (max 400 words)
2. The Agile Processes

The agile process is more of an “on your feet” style of programming where the team works very closely together and collaborate frequently to provide very quick turnaround in terms of software progress.

1. Scrum and Scrum Master

Scrum is the daily meeting where you explain your progress past, your plans for the day, and your future plans in regard to the project. The Scrum Master is the one that leads the scrum and runs the daily meeting and possibly provide guidance if there may be a hiccup in the project.

1. Sprints

The different phases or iterations of a project. Essentially how the project is getting broken down. More of the time periods you are breaking down the project into where each sprint is essentially a release of the product.

1. In your own words, try to explain how the Agile Development Methodology is different to the traditional Waterfall model of software engineering. Identify **a least three differences** between them. (max 250 words)

One main difference between the waterfall and the agile method is the concept of program testing. The waterfall method has an entirely separate stage for testing where in Agile development the testing phase is completed with the programming. In Waterfall programming there are major milestones you must hit in order to track your progress while with Agile programming progress is marked with working snippets of code that you and your team come up with.

**Reference Section:**

You must include 8 references here in support of your answer. The reference styles will be the latest version of the guidelines. You may use on youtube video and a maximum of two websites as your references. The remaining five references will be review papers and journal articles or books.

"At the Kickoff: Project Development vs Product Development". AltexSoft Inc. 12 February 2016. Retrieved 31 May 2016.

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