Final Project 7-1: Algorithms and Data Structures Narrative

CS-499-Q5048 20EW5

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The artifact that I selected for this stage is the Week 3 User Stories Final Project Checkpoint from CS-250: Software Development Lifecycle. This artifact was created in May 2018 during term 18EW5 and is an outline story provided by the user to allow for a new system to be developed and meet their needs. This artifact illustrates how crucial it is to obtain a story of what the customer is looking for their software to do in each section to ensure the algorithms and data structures developed during programming at correct and effective for the system’s overall operation.

The reason why I selected this artifact for this milestone is because the customer is the one who’s responsible for outlining the requirements for the system. This outline then gives the developer a basis for how the customer desires the system to act and lays the foundation for all the algorithms and structures used in the program. Without this information, the developer may create extra structures or even miss adding structures to meet the requirements. In the user stories, the value statement gives a short explanation of what is desired, and the acceptance criteria shows what the user is expecting for the system to perform. These stories showcase my knowledge about how to create a solid base for a software or system to be developed upon. This artifact had a small enhancement, which was the addition of a fourth user story to display a certain destination type. This enhancement will allow the end user to have additional functionality to the program.

The enhancements made to this product do seem to meet the course objectives. I reviewed and followed my outcome coverage plan as laid out in week one’s selection and refinement document. This artifact is what I would consider polished and ready to be added to my ePortfolio.

While I was improving this artifact, I learned there are multiple things people look for out of similar travel systems. I found by adding the enhancements to my artifact, I made the artifact create a large basis for the algorithms and structures that will be developed in the project this was created for. These enhancements will allow that project’s expanded capabilities to be more competitive to other similar systems. One challenge I faced was deciding on what enhancement I wanted to create for this document. There were many I could have chosen from, but I felt like the addition to this artifact was the most in line with the direction this project was already heading for its end goal.