Unit Testing

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Module 4-2 Milestone: Unit Testing (Google Test)

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Text

Description automatically generated

For this week’s milestone on the Unit Testing (Google Test), I modified the provided code with a few updates. In the to-do sections, I created unit tests that verified the functionality of vector processes. To start off, I verified if the conditions were set to true. It first checks to see if the vector collections are empty. This informs the program the collection is ready to be worked on. Using testing assertions, I verify the changes made are done correctly before and after the operation. I created two-unit tests that manually verified the value and checked that the vector function runs without errors. In the negative test, I verify an out-of-range exception is thrown using an assert throw () function. It verifies the vector size and then attempts to access the vector one entry past the last. Successfully 15 tests pass.