CS-405 Secure Coding – Module 4 Milestone

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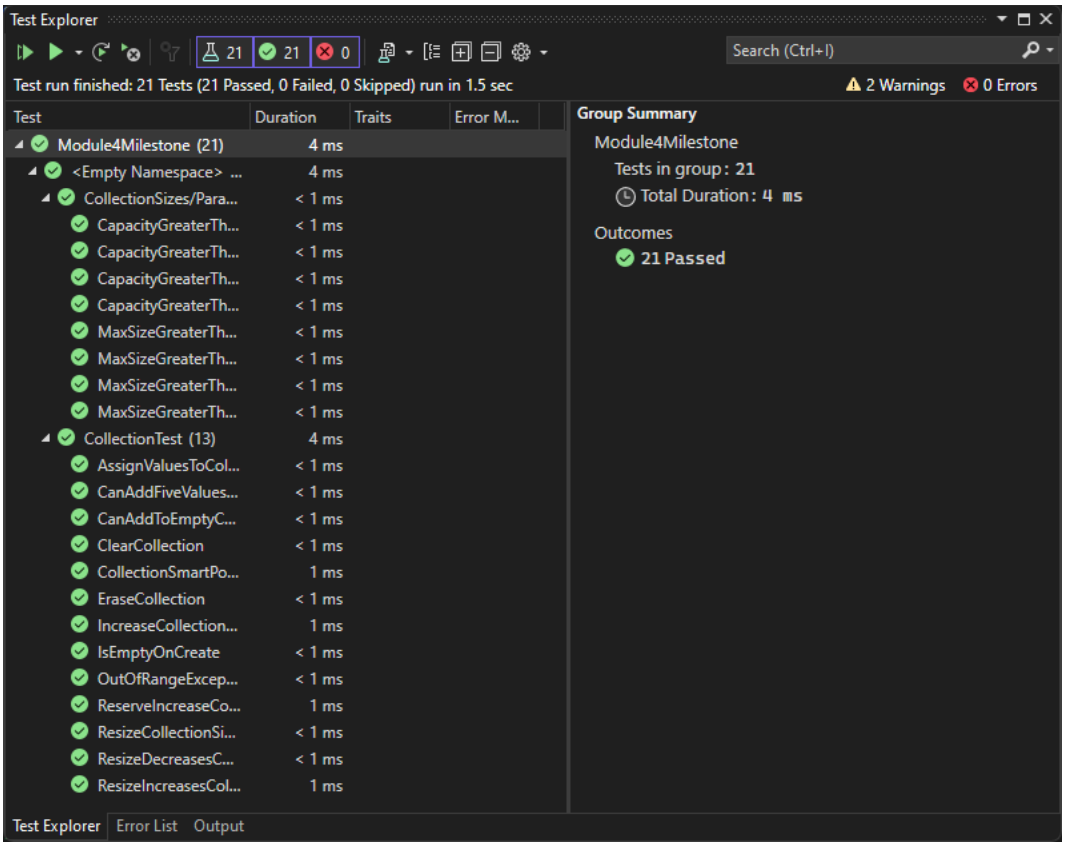
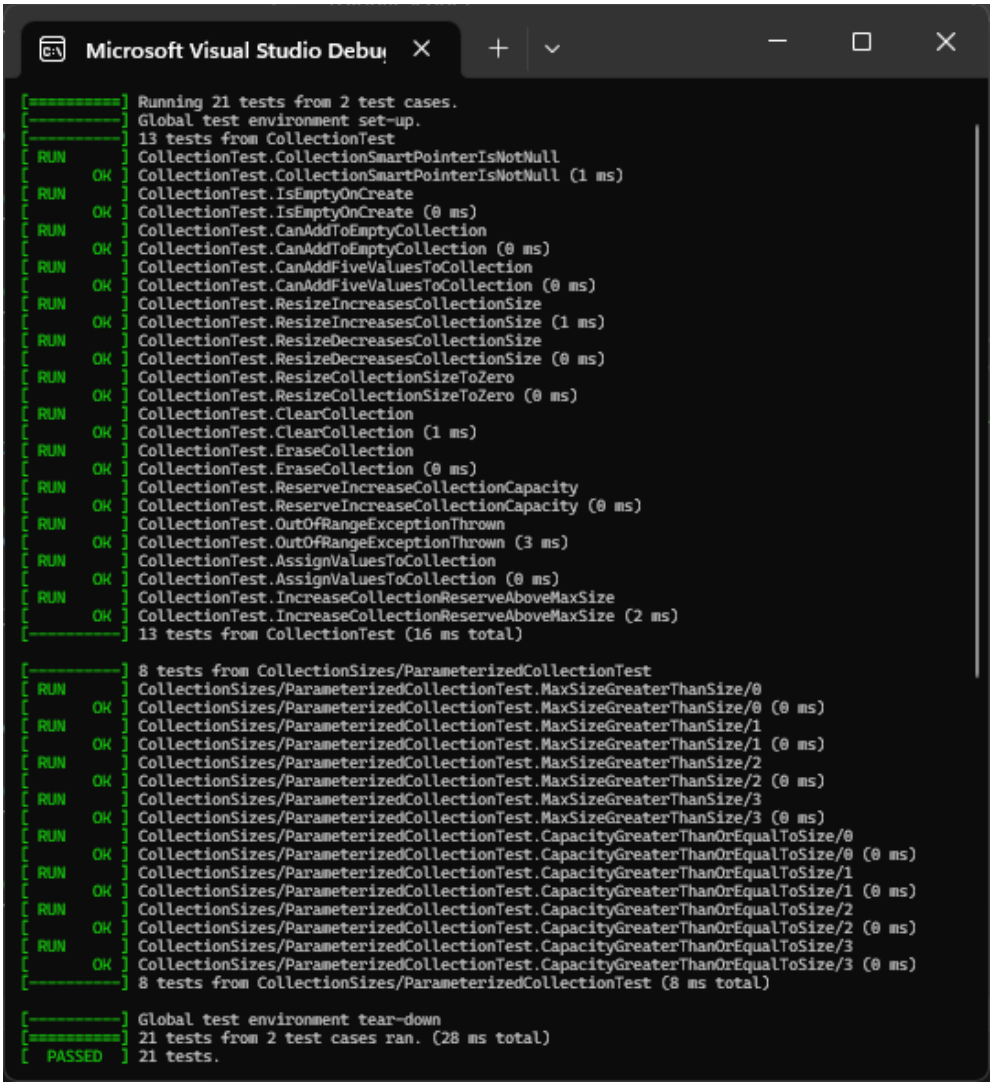
Module Four Milestone

Unit testing test explorer screenshot



Unit testing results screenshot



Summary of unit testing process

All of the unit tests that were created were appropriately named to convey what each specific test is attempting to verify. Each unit test used EXPECT to ensure that everything was set up correct for the test. Then ASSERT was used to test and verify the specific condition of the test. In some cases, a negative unit test was performed that the test will fail as expected in certain scenarios. C++ programming functionality and

best practices were followed with documenting the code and utilizing test fixtures in some cases and parameterized test fixtures. Throughout this process of testing, it was able to find issues with divide by zero, length issues, and out of bounds issues.