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4-2 Milestone: Unit Testing

In this project, we were tasked with writing and running a few simple unit tests using the google test application. After I downloaded the CPP file containing partial code for the test, I proceeded to create a project in visual studio and added the contents of the CPP to the project, and named it CollectionTests.cpp. I then installed google test application through the nuget manager in visual studio, and included the google test in the application (gtest/gtest.h). Upon examining the partial test CPP document, I found a hand full of tests that we were required to run under the commented TODO lines. I proceeded to write about 15 or so test methods to evaluate sizes of entries, the emptiness or fullness/capacity of collections, etc. After compiling the program, the tests ran successfully without any errors. The screenshot of the test results is as shown below:

A screenshot of a computer program

Description automatically generated