**CS-405 4-2 Milestone: Unit Testing**

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A screenshot of a computer

Description automatically generated

This was a great refresher of the Vector API which I hadn’t looked at in quite some time. My biggest challenge was to determine when to use ASSERT or EXPECT. Most of the test were done based on size or capacity in which it would verify that we were using the Vector API correctly to ensure any bugs could be found with our use of the API. Writing my own custom positive and negative was probably the most challenging since I had to go look at the Vector API to see which I could write those two tests for that made sense. I eventually decided on using shrink\_to\_fit for the positive and pop\_back for the negative test (to fail if after popping if the size was still the same size previously).