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| The details I will provide in this summary are the two tests that I created myself. For the other tests in which we were given the criteria for each test. There is a mixture of ASSERT\_EQ, ASSERT\_TRUE, ASSERT\_GT, EXPECT\_THROW, each of the tests performs various tests. For the two tests I had to create, one negative and one positive, the first test is to check if a number in the collection at a given position is prime (only divisible by 1 and itself).  I start by clearing the collection, then insert four numbers into the collection and then check if the number is exactly divisible by 2. Generally, if you are checking for a number to be prime a for loop is used in which the modulo of an iterator which normally starts at two and the number being evaluated equals zero then it is not prime. In this test I use the EXPECT\_FALSE because I am expecting the modulo of the value in the number one position and two to not equal 0, this is false so therefore the test is successful.  The second test I check to see if the size of the collection is less than the value of a number at a given position. I start by using a for loop to insert five numbers which the value inserted is calculated by multiplying the iterator by 6. I then get the value of the number at position three in the collection and assign it to a variable num. Finally, I use the ASSERT\_TRUE to test the collection size is less than num.  As can be seen from the screenshot below all tests are successful, including the two that I created. The two that I created use different methods used in previous tests which is to prove my understanding of tests. I also used ReSharper to conduct the tests since I am a real big of JetBrains products. |
| Graphical user interface, text  Description automatically generated |