Activity 7

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# Part 1A Files

**Step 3k Screenshot**

**A screenshot of a computer

Description automatically generated**

# Part 1B Files

**Step 4e Screenshot**

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**Step 5 Responses:**

A. I wrote 8 test cases, two per method. We simply needed to test (assert) whether 2 + 1 equals 3 and so forth.

B. Black box testing only considers the external behavior of a system. White box testing does the opposite, it tests software via internal functions.

C. You would use a test suite when you want to run all your tests, hence the name of the class AllTests.

# Part 2 Files

**Step 1d Screenshot**

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**Step 2a Response:** I think parameterized testing improved the overall testing by having all the test cases in one spot. By using a data object and then by using Enums, it keeps the cases all together and its pretty easy to add/remove cases.

# Part 3 Files

**Step 5 Screenshot**

**A screenshot of a computer

Description automatically generated**

**Step 6 Responses**

A. According to Stack Overflow, you would use something like @Test(expected = ExceptionType.class)

B. Regarding our class project, I think the hardest test cases will be with the server and with the Inventory Manager. With that in mind, having a test case that checks whether a message was sent/received (maybe?) would work well, and then also having a test case that checks if an array is populated after the first item is added.