

**Black Box Testing**

Refer to shoppingCart-test-cases.xlsx sheet Black Box

**White Box Testing**

Refer to shoppingCart-test-cases.xlsx sheet White Box

**Reflextion**

1. Black Box testing offering a bigger quantity of test in a fewer amount of time since in this stage we are testing for the general scenarios of the given inputs. This being in most of the cases what happen when we go the maximum, minimum or no value. Because of its easy to come up with multiple test of this type. While in White box we are trying to design an specific test to test a specific process which would one in on million scenario that would be hard to accomplished by just doing un especificed test. Because of this it would be possible to achieve a good testing we just one of the techniques but they would take a longer amount time and effort, black box would allow us to get ride of the most surface bugs, while white lets us be specific on what we want to solve.
2. To test the integrated functions a new code for testing should be implemented this would allow to manipulate specific combinations of data between the functions. If try to execute them with the standard main function provided designed for user consumption, it would take a longer amount of time and some scenarios would be hard to reach. At the same time developing new code for integrated testing could consume even more time, since we must re design the main function so it can work with controlled input data leading adjustments in the logic, that dont affect the functionality. But providing test code allows us to write multiple and automatic cases that predefined test data and their expected output, for example the implementation of txt or json file with the test this would give the new test code enough information to test the scenarios and inform where the expectations were not met.
3. Refer to tester.c