

For my black box testing suite, I wrote a test for each public method of my GraphDLM class. I also made sure to write dependent tests after their dependencies whenever possible. In terms of heuristics, I made sure to cover all possible output options in the specifications of my code through the inputs I chose. For example, if a function was supposed to throw an exception on a specific input, I made sure to test that input. I also tested a range of valid inputs, such as inputs where a function was supposed to return true in addition to where it was supposed to return false. For setter functions, I used getter functions to ensure that the object was modified properly.

After implementation, I decided that I didn't need to add anything to my set of tests. All possible if/else blocks in the code returned in different ways that were accounted for in the specification, so my test suite already covered them. This shows how writing a thorough specification can save you time further down the line in implementation.