

I tested Dylan's code whose tests I wrote are in the *GroupmateDylanTest.java*. In the first test *test1()*, I passed two empty Hashmap as inputs *Hash_csv1*, and *Hash_csv3* to test Dylan's *compareHashMap* function. An empty CSV file created with its contents being similar to the *test1_result* file which is empty

When invalid path names such as *documents/differences.csv* are given, the function *testCorrectFileFormat*. The function *testCorrectFileFormat* will return False. When I pass in files with different extensions such as *sample_file_3.xlsx*, it will be an invalidfileformat. The same occurs when we pass in *sample_file_3.pdf*

The bug found in Dylan's code is that he uses a Hashmap to compare where there is probability of collision when the two different keys in Dylan code generate same *hashCode()* leading to inaccurate comparison of columns such as customer ID

I tested Jonah's code whose tests I wrote are in the *GroupJonahTest.java*. I wrote tests to test three different types of exceptions *FileNotFoundException*, *RuntimeException* and *Exception*.

Jonah only had one *main[]* string function to test the code which was troublesome to test. The bug in Jonah's code was that All the Exceptions: *FileNotFoundException*, *RuntimeException* and *Exception* were not handled well when I was testing his code