

Report – Tej Pala Deep's code

I performed a couple unit tests on Tej's code through equivalence partitioning and boundary value analysis. The test cases are given in the file `Data_reconciliationTest.java` while his code is in `Data_reconciliation.java`

These tests included checking whether his function accurately recoded exceptions/mismatches and in case of no mismatches his output.csv was empty.

I tested whether his `equalFile` function works correctly, as it checks whether both files are equal a byte array. This was tested using 3 different conditions- empty files, 2 different files and two duplicate files. His function performed the way desired and returned the expected Booleans.

Next, I tested whether his code returns exceptions, in particular the count of exceptions in various boundary and middle value cases. The code works well and returns the number of exceptions expected for all cases. I also checked inputting a file that doesn't exist and it returned the expected count -1.

Bugs Found

There is only one bug in Tej's code perhaps one improvement, if headers are not the same yet all the rest of the rows are same his code returns only one exception which is the headers. However, this shouldn't be the case, as csv files with different headers should return all rows as exceptions since, their target header is different, so even though they are the same values, their header is not the same, so they don't imply the same value.