

Failure Table

Test Name	Observed Failure	What the error was?	What it was testing?	Changes to fix it
Account Test	AccountTesting.setUsername(userNameTest); NullPointerException	NullPointerException, print statements not being reached, execution ends around 0s.	Testing to see if the setUsername and getUsername works after having set a username through set and getting the username back from the get function and then setting a new username and checking if the result of the getter matches with the given username	Move the // Call Accounts constructor  AccountTesting = new Account("Billy", "FS", 34.34f); Into the @Test area
Account Test	assertNotNull(AccountTesting.getUserType()); NullPointerException	NullPointerException, print statements not being reached after this statement, execution ends around 0.001s	Testing to see if the setUserType and getUserType works after having set a user type through set and getting the user type back from the get function and then setting a new username and checking if the result of the getter matches with the given username	Add the // Call Account constructor with sample values  AccountTesting = new Account("Jack", "BS", 24.14f); Into a new @Test function because it was checking if the value was null to fail the test case, but no user type was being given and so the test would fail for being null
Account Test	AssertionError: Use assertEquals (expected, actual, delta) to compare floats	Stops printing after 0.010s execution, test fails for AssertEquals when checking if new set credit matches to	Testing to see if the setCredit and getCredit works after having set a credit through set and getting the credit back from the get function and then setting a new credit and checking if the result of the getter matches with the given credit	Add assertEquals(AccountTesting.getCredit(), creditTest, 0.0f); the 0.0f as the delta value as we are only checking for an exact match between set and the credit being received with float values so the 0.0f is needed

		the one being received from getter		
UpdateManagerTest	java.lang.AssertionError	N/A	Testing to see if the username to be added already exists. It should return true, however, it failed.	Changed function to run through two for loops and compare usernames like the eventTitleExists() function
UpdateManagerTest	java.lang.AssertionError	deletedUser, the assertion type was wrong	Testing to see if the user is not deleted.	Change the assertion type from assertionTrue to assertionFalse
UpdateManagerTest	java.lang.AssertionError	UserDeleted,	Testing to see if the user is deleted.	Change the function to run thru 2 for loops and compare usernames from 2 arraylists.
UpdateManagerTest.addUser	java.lang.AssertionError	N/A	Testing to see if the user is added to the file.	Changed function to run through two for loops and compare usernames from 2 arraylists.
UpdateManagerTest.refundCredit	Incompatible types	In if(assertTrue) and else if assertTrue, Required boolean found void	Testing to see if the refund works as expected.	Changed the variable type of refund_credit from double to float.
UpdateManagerTest	Syntax error	In assertTrue(ticket < 0), Invalid syntax	Testing to see if the ticket amount is negative.	Changed assertTrue(ticket < 0) to assertTrue(ticket.getNumberTickets() < 0).

From fixing the errors faced from AccountTest, TicketTest and TransactionTest had minimal to no failures in implementation.