

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.createUser()	Testing Error can not be fixed	Use assertEquals to compare 2 arraylists one is called from the backend another is created by the test fails	Testing to see if the createUser has the same output to the expectations	Tried my best to figure out the arraylist calling problem, but due to we are running out of time, the issue is not fixed.
UpdateManagerTest.sellTicket()	Testing Error can not be fixed	Use assertEquals to compare 2 arraylists one is called from the backend another is created by the test fails	Testing to see if the sellTickets has the same output to the expectations	Tried my best to figure out the arraylist calling problem, but due to we are running out of time, the issue is not fixed.
UpdateManagerTest.deleteUser()	Testing Error can not be fixed	Use assertEquals to compare 2 arraylists one is called from the backend another is created by the test fails	Testing to see if the deleteUser has the same output to the expectations	Tried my best to figure out the arraylist calling problem, but due to we are running out of time, the issue is not fixed.
UpdateManagerTest.AddCredit()	Testing Error can not be fixed	Use assertEquals to compare 2 arraylists one is	Testing to see if the AddCredit has the same output to the expectations	Tried my best to figure out the arraylist calling problem, but due to we are running out of time, the issue is not fixed.

		called from the backend another is created by the test fails		
UpdateManagerTest.refund()	Testing Error can not be fixed	Use assertEquals to compare 2 arraylists one is called from the backend another is created by the test fails	Testing to see if the refund has the same output to the expectations with valid refunded credits	Tried my best to figure out the arraylist calling problem, but due to we are running out of time, the issue is not fixed.
UpdateManagerTest.refund1()	Testing Error can not be fixed	Use assertEquals to compare 2 arraylists one is called from the backend another is created by the test fails	Testing to see if the refund has the same output to the expectations with invalid refund credits	Tried my best to figure out the arraylist calling problem, but due to we are running out of time, the issue is not fixed.
UpdateManagerTest.buy()	Testing Error can not be fixed	Use assertEquals to compare 2 arraylists one is called from the backend another is created by the test fails	Testing to see if the buy has the same output to the expectations with valid ticket amount purchased	Tried my best to figure out the arraylist calling problem, but due to we are running out of time, the issue is not fixed.
UpdateManagerTest.buy1()	Testing Error can not be fixed	Use assertEquals to compare 2 arraylists	Testing to see if the buy has the same output to the expectations with invalid ticket amount purchased	Tried my best to figure out the arraylist calling problem, but due to we are running out of time, the issue is not fixed.

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