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Norman Lo

Back End Junit Test Report

| Test Case Method Name | Description | Result (pass/fail) | Cause of failure (if applicable) | Steps taken to fix failure (if applicable) |
|-----------------------|---|--------------------|---|--|
| testReadDTF() | Test to check if the daily transaction file is read properly | passed | N/A | N/A |
| testReadUAF() | Test to check if the users array list is not null after reading in the useraccounts file | passed | N/A | N/A |
| testReadAIF() | Test to check if the items array list is not null after reading in the availableitems file | passed | N/A | N/A |
| testWriteUAF() | Test to check if after writing to newuseraccounts file, it is the same as the expected file | failed (fixed) | Assertion Error (Expected : [arshdeep BS 279.0, saijeeshan AA 490.0] Actual: [TestUser AA 1000.0, TestUser2 BS 2000.0, arshdeep BS -565.0, saijeeshan AA 980.0, arshdeep BS 123.0, saijeeshan AA 1000.0]) | The failure was not due to the class, but rather the test class. Instead of running the test as a class, we ran it as a single method and the expected and actual were both equal. |
| testWriteAIF() | Test to check if after writing to newavailableitems file, it is the same as the expected file | failed (fixed) | Assertion Error (Expected: [TV saijeeshan arshdeep 90 221.0, Computer arshdeep saijeeshan 0 500.0] Actual: [TV TestUser1 TestUser2 2 11.0, TV | The failure was not due to the class, but rather the test class. Instead of running the test as a class, we ran it as a single method and the expected and actual were both equal. |

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|------------------|--|-------------------|---|---|
| | | | saijeeshan arshdeep 90 221.0, Computer arshdeep saijeeshan 0 500.0]) | |
| testGetUser() | Test to check if the user can be found and username can be returned | passed | N/A | N/A |
| testGetUserPos() | Test to check if the user position can be returned correctly | passed | N/A | N/A |
| testGetItem() | Test to check if the item can be found and item name can be returned | passed | N/A | N/A |
| testGetItemPos() | Test to check if the item position can be returned correctly | passed | N/A | N/A |
| testBid() | Test to check if the bid method works | failed | Array Index Out Of Bounds Exception: -1 | We tried changing the values in the bid() method, but we were unable to fix this failure. However, since the testWriteUAF() and testWriteAIF() methods both passed, it seemed it wasn't much of a problem. |
| testAdvertise() | Test to check if the advertise method works | failed (fixed) | Number Format Exception: For input string: "saijeeshan" | The method intended to test was accidentally name "bid", which caused the failure. Changing the name to "advertise" fixed it |
| testDeleteUser() | Test to check if the deleteUser method works | passed | N/A | N/A |
| testCreateUser() | Test to check if the createUser method works | passed | N/A | N/A |

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|----------------------|---|--------|-----|-----|
| testRefund() | Test to check if the refund method works | passed | N/A | N/A |
| testaddCredit() | Test to check if the addCredit method works | passed | N/A | N/A |
| testAvailableItems() | Test to check if item can be created | passed | N/A | N/A |
| setItemName() | Test to check if the item name can be set | passed | N/A | N/A |
| setSellerName() | Test to check if the seller name can be set | passed | N/A | N/A |
| setBuyerName() | Test to check if the buyer name can be set | passed | N/A | N/A |
| setBidAmount() | Test to check if the bid amount can be set | passed | N/A | N/A |
| setNumDays() | Test to check if the number of days can be set | passed | N/A | N/A |
| getItemName() | Test to check if the item name can be returned | passed | N/A | N/A |
| getSellerName() | Test to check if the seller name can be returned | passed | N/A | N/A |
| getBuyerName() | Test to check if the buyer name can be returned | passed | N/A | N/A |
| getBidAmount() | Test to check if the bid amount can be returned | passed | N/A | N/A |
| getNumDays() | Test to check if the number of days can be returned | passed | N/A | N/A |
| testUserAccounts() | Test to check if a user can be created | passed | N/A | N/A |
| testSetUserType() | Test to check if the user type can be set | passed | N/A | N/A |
| testSetUserName() | Test to check if the user name can be set | passed | N/A | N/A |

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|---------------------------------------|---|--------|-----|-----|
| <code>testSetAvailableCredit()</code> | Test to check if the credit amount can be set | passed | N/A | N/A |
| <code>testBidItem()</code> | Test to check if the credit amount is decremented if a user buys an item | passed | N/A | N/A |
| <code>testAdvertiseItem()</code> | Test to check if the credit amount is incremented if the user sells an item | passed | N/A | N/A |
| <code>testGetUserType()</code> | Test to check if the user type can be returned | passed | N/A | N/A |
| <code>testGetUsername()</code> | Test to check if the user name can be returned | passed | N/A | N/A |
| <code>testGetAvailableCredit()</code> | Test to check if the credit amount can be returned | passed | N/A | N/A |
| <code>printError()</code> | Test to check if the appropriate error message is printed. | passed | N/A | N/A |