

Software Quality Assurance - CSCI - 3060u

Phase - 4 - WhiteBox Testing - OT-BnB

Test Number	Test Description	Input	Expected Output	Actual Output
Delete_1	Test to check if the logged in user is an admin	DanielEar testUserA	true	true
Delete_2	Test to check if loop iterates when the user doesn't exist	DanielEar Anonymous testUserB	true	true
Delete_3	Test to check if the deleted user is in the userAccounts file	DanielEar testUserC	false	true -> false
Delete_4	Test to check if there are any deleted user's rentals in the available tickets file	DanielEar testUserD	false	true -> false
Login_1	Test to check if the user's state is currently logged in	DevalPan	true	true
Login_2	Test is username is not null	DanielEar	true	true
Login_3	Checks whether the username length matches the predetermined user input from the user account file	DevalPan	true	true
Login_4	Checks whether correct privilege is given to the user with the correct account type	DevalPan	RS	RS
Login_5	Execute inner for-loop once	DevalPan	1	1
Login_6	Execute inner for-loop	DanielEar	2	2

	twice			
Login_7	Check Logged in user cannot login again	DevalPan	true	false→true
Login_8	Check if current user and the username are the same	DevalPan	true	true

Failed Tests

Test Number	Input	Description of issue	Description of fix	New Output
Delete03	DanielEar testUserC	Outputs true instead of false	Was updating boolean variable to true when it should have been false.	false
Delete04	DanielEar testUserD	Outputs true instead of false	Was updating boolean variable to true when it should have been false.	false
Login_7	DevalPan	Breaking loop if user is logged in break every other test	Add check to see if user is logged in then it wouldn't ask user to login	true

Notes

In order for the delete tests to work, userAccount.txt must include the following:

testUserA_ RS
testUserB_ RS
testUserC_ RS
testUserD_ FS

availableTickets.txt must include the following:
0fdkyng9 testUserD_ Pickering 2 15.0000 F 09

To run the program run the following commands while in the phase-4 directory:

- `javac -cp "junit-platform-console-standalone-1.8.2.jar" Transaction.java AvailableTickets.java DailyTransaction.java User.java TransactionTests.java`
- `java -jar "junit-platform-console-standalone-1.8.2.jar" -cp "." --select-class=TransactionTests`