Sprint 3 Test logs

These are the test logs for the third sprint. The tests that have failed the first time around have been repeated after changes to the code have been made and have then been marked as passed. Before each test is performed the jUnit setUp methods add several test records into the database. The values that were used for testing were the same values that were used for Sprint 2. There have been no additional entries. . After each test has been completed all the values are removed for the database as well as several linked lists cleared and objects set to null.

The only difference to the setUp and tearDown methods is before each test is called and after the 'Logs' table is cleared so that tests can pass as intended. The reason for this is that the logID attribute gets incremented every time an entry is added to the database. There would be no way to be able to know what the logID value would be to compare against the database at the time without pulling from the database first which defeats the purpose of the test. So as a solution, the table is wiped before every test so for testing purposes we know the logID we are looking for is either 1 or 2 which means we can build a expected string and compare it against the specific one in the database that we need.

Test Name	Test Purpose	Test Date	Expected Result	Actual Result	Test Passed?	Rectifications
assignPatient1	Test that the patient TP02 gets assigned doctor TES1 from TES2, as well as ensuring the appropriate messages are sent. assertTrues used to compare strings containing information pulled from the database.	01/04/2021	TRUE	Nothing	No	Tests did not include the assertTrues first time around when they were implemented so no comparisons were actually being made.
assignPatient1 -redo	Test that the patient TP02 gets assigned doctor TES1 from TES2, as well as ensuring the appropriate messages are sent. assertTrues used to	01/04/2021	TRUE	TRUE	Yes	None

	compare strings containing information pulled from the database.					
assignPatient2	Test that the patient TP01 gets assigned doctor TES2 from TES1, as well as ensuring the appropriate messages are sent. assertTrues used to compare strings containing information pulled from the database.	01/04/2021	TRUE	TRUE	Yes	None
assignPatient3	Test that the patient TP02 gets assigned doctor TES3 from TES4, as well as ensuring the appropriate messages are sent. assertTrues used to compare strings containing information pulled from the database.	01/04/2021	TRUE	TRUE	Yes	None
assignPatient4	Test that the patients TP01 and TP02 get assigned doctor TES4 from TES1, as well as ensuring the appropriate messages are sent. assertTrues used to compare strings containing information pulled from the database.	01/04/2021	TRUE	TRUE	Yes	None

assignPatient5	Test that no patient gets assigned when no doctor is logged in. assertNull used to ensure the user object that is logged in is null.	01/04/2021	NULL	NULL	Yes	None
logActionTest1	Test that the doctor logging into the system is logged correctly. assertEquals used to compare data in the database to expected data.	24/03/2021	TRUE	FALSE	No	Space missing in the SQL statement.
logActionTest1 -redo	Test that the doctor logging into the system is logged correctly. assertEquals used to compare data in the database to expected data.	24/03/2021	TRUE	FALSE	No	Before each test is called the log table must be cleared as the logID value could be anything and cannot be compared to an expected one without first pulling from the database which defeats the purpose of the test.
logActionTest1 -redo	Test that the doctor logging into the system is logged correctly. assertEquals used to compare data in the database to expected data.	24/03/2021	TRUE	TRUE	Yes	None.
logActionTest2	Test that the doctor accessing their messages is logged correctly.	24/03/2021	TRUE	TRUE	Yes	None.

	assertEquals used to compare data pulled to the expected data.					
logActionTest3	Test that the doctor accessing their bookings is logged correctly. assertEquals used to compare data in the database to expected data.	24/03/2021	TRUE	TRUE	Yes	None.
logActionTest4	Test that the doctor accessing their own patients' information is logged correctly. assertEquals used to compare data in the database to expected data.	24/03/2021	TRUE	TRUE	Yes	None.
logActionTest5	Test that the doctor updating prescription and visit details is logged correctly. assertEquals used to compare data in the database to expected data.	24/03/2021	TRUE	TRUE	Yes	None.
logActionTest6	Test that the assigning patients to a doctor is logged correctly. assertEquals used to compare data in the database to the expected data.	24/03/2021	TRUE	FALSE	No	Error in the SQL statement in the assign patient method. Missing '' in the statement.

| logActionTest6 -redo | Test that the assigning patients to a doctor is logged correctly.

assertEquals used to compare data in the database to the expected data. | 24/03/2021 | TRUE | TRUE | Yes | None. |
|---|---|---|---|---|---|---|
| logActionTest7 | Test that the logout of the system is logged correctly.

assertEquals used to compare data in the database to the expected data. | 29/03/2021 | TRUE | FALSE | No | Add a if statement to the logout method in BookingSystem to perform the call to logAccess only if a user is logged in as some of the tests would fail otherwise. |
| logActionTest7 -redo | Test that the logout of the system is logged correctly.

assertEquals used to compare data in the database to the expected data. | 29/03/2021 | TRUE | TRUE | Yes | None |