Test Case 11

Project:  New Haven Urgent Care                                 Team #8

Test Date: 12/14/2021

Test Case ID#: 11

Name(s) of Tester(s): Maryam Masood

Test Description: This test case checks if only service providers can make diagnoses

**NOTE:  The following information must be provided to be given credit for any test.**

**Test Data (Provide the file name of the script used to insert data, provide a screen capture to reflect data, or provide script here):**

-- Logs relation test 1

INSERT INTO Diagnosis(ICD10CM, Name)

VALUES('A21-A01', 'hypothyroidism');

INSERT INTO C4707F21U8.Patient(PatientId, FirstName, LastName, Street, City, State, ZipCode, DateofBirth, IEmployeeId)

VALUE (1003, 'Bamby', 'Jo', 'North Atlantic', 'LA', 'California', 50210, '2001-05-07', 107);

INSERT INTO C4707F21U8.ServiceProvider(DoctorId)

VALUES(107822);

-- Logs relation test 2

INSERT INTO Diagnosis(ICD10CM, Name)

VALUES('A21-A02', 'type II diabetes');

INSERT INTO C4707F21U8.Patient(PatientId, FirstName, LastName, Street, City, State, ZipCode, DateofBirth, IEmployeeId)

VALUE (1012, 'George', 'Washington', 'Somewhere in', 'Boston', 'Massachusetts', 55432, '1732-02-22', 103);

INSERT INTO C4707F21U8.Employee(EmployeeId, FirstName, LastName, ssn)

VALUES(152, 'King', 'George', '332440555');

**SQL Query(s) used for testing:**

--Test 1

INSERT INTO Logs(ICD10CM, DoctorId, PatientId)

VALUES('A21-A01', 107822, 1003);

-- Test 2

INSERT INTO Logs(ICD10CM, DoctorId, PatientId)

VALUES('A21-A01', 152, 1012);

The queries used for the testing were the insertion queries above, showing that, for the negative test, when trying to insert an EmployeeId in Logs relation test 2 in place of the DoctorId, the test yields a Query Interrupted message from MySQL Workbench, which indicates that any generic employee id is not valid, so this test passes. For the positive test, when putting in the correct information into the DoctorId field in the Logs relation insertion, which would be the DoctorId of a ServiceProvider entry, the query generates and adds the addition to the Logs relation, indicating that the test has passed. This is because, in the Logs relation, the relation specifically asks for a DoctorId which references the id of a ServiceProvider present in the database as a foreign key.