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| **Project: New Haven Urgent Care Team# 8** | |
|  | **Test Date: 12/9/2021** |
| **Test Case ID#: 19** | **Name(s) of Tester(s): Kevin Le** |
| **Test Description (What are you testing? – you must be specific):**   * **I am testing a foreign key (FK) for the cardinality numbers that are on the design document. We want to be able to determine whether the relations are capturing the max number of the cardinality.** * **The foreign key/relationship I will be testing is between the ‘Patient’ and ‘IntakeClerk’ tables. Their relationship should have a cardinality of 1:N (an intake clerk may check-in multiple patients, but a single patient will only check-in with a single intake clerk).** * **I will test this by inserting multiple Patient records and referencing a single IntakeClerk record. I will then query all Patient records that are tied to that single IntakeClerk record, and I should see multiple Patient records.** |  |
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**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):**

**File name: Data/base.sql**

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

**/\*\***

**\* Expected Result: 5 Records**

**\* Actual Result: 5 Records**

**\*/**

**SELECT \***

**FROM C4707F21U8.Patient p, C4707F21U8.IntakeClerk ic**

**WHERE p.IEmployeeId = ic.EmployeeId**

**AND ic.EmployeeId = 101;**

**Discussion/Explanation:**

**The return value of the SQL query indicates that the test case has passed. By requirement standards, the test case also satisfies the requirement. The foreign key relationship is meant to capture a one-to-many relationship between the Patient and the IntakeClerk table. In the provided SQL query, we see that it does exactly that. We also note that each Patient is only tied to a single IntakeClerk via the foreign key reference, `IEmployeeId`.**