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| **Project: New Haven Urgent Care Team# 8** | |
|  | **Test Date: 12/9/2021** |
| **Test Case ID#: 18** | **Name(s) of Tester(s): Kevin Le** |
| **Test Description (What are you testing? – you must be specific):**   * **I am testing whether service providers are able to request more than one test or procedure per visit.** * **I will be examining whether a single ‘ServiceProvider’ record and a single ‘Patient’ record are able to have more than one ‘Treatment’ record, connected by the ‘Orders’ table. I will be testing this functionality by querying for a single ‘ServiceProvider’ record and a single ‘Patient’ record, and then joining them via the ‘Orders’ table. I take the resulting table and join it to the ‘Treatment’ table, to see if there is more than one ‘Treatment’ record in the resulting query table.** * **If I am unable to easily distinguish between visits with this method, then this test case/requirement fails, as it does not satisfy what I am testing.** |  |
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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, Data/TC18data.sql**

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

**/\*\***

**\* Expected Result: 2 Records**

**\* Actual Result: 2 Records**

**\*/**

**SELECT p.\*, t.\*, sp.\***

**FROM C4707F21U8.Patient p, C4707F21U8.Treatment t, C4707F21U8.ServiceProvider sp, C4707F21U8.Orders o**

**WHERE p.PatientId = o.PatientId**

**AND t.ICD10PCS = o.ICD10PCS**

**AND sp.DoctorId = o.DoctorId;**

**Discussion/Explanation:**

**Return value indicates that the test case has passed. In our test data, there were two treatments ordered for a single patient by a single service provider. However, because we are unable to determine whether these two treatments were ordered for a single visit or multiple visits, I deem that the requirement has failed.**

**We are unable to differentiate between visits with this method and currently within our table, there is no way of distinguishing between visits. This will be covered and noted in the Synopsis document, along with what changes we will be making in future database design iterations to resolve this concern.**