

Project: New Haven Urgent Care

Team#

Test Case ID#: 5

Test Date: 2019/12/12

Name(s) of Tester(s): JunRen Huang

Test Description (What are you testing? – you must be specific):

This test is to test that can a patient be seen by only one service provider per visit

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):

insert into PATIENT

values (001,'wang','k', 'xi',null,null,null,'xxx','1001-01-01', 19);

insert into PATIENT

values (002,'wan','k', 'xian',null,null,null,'xxx','1001-02-02', 10);

insert into PATIENT

values (003,'wa','k', 'xiang',null,null,null,'xxx','1001-02-02', 100);

insert into DEPARTMENT

values (1, 'First department');

```
insert into INTAKE_DEPARTMENT  
values (1, 'Intake department1');
```

```
insert into EMPLOYEE  
values (1, 'Ken', 'A','Jian',123456789, 1);
```

```
insert into EMPLOYEE  
values (3, 'Jun', 'A','Huang',123456785, 1);
```

```
insert into EMPLOYEE  
values (2, 'Wang', 'A','Jian',123456781, 1);
```

```
insert into NURSE  
values (1, 'Ken', 'A','Jian',123456789);
```

```
insert into ASSESSMENT_NURSE  
values (1, 'Ken', 'A','Jian',123456789);
```

```
insert into VISIT  
values (1, 123.2, "1010-03-04", 1, 1, 1, 12, "xxxx", "yyyy");
```

```
insert into SERVICE_PROVIDER  
values (2, 'Wang', 'A','Jian',123456781);
```

```
insert into SERVICE_PROVIDER  
values (3, 'Jun', 'A','Huang',123456785);
```

SQL Query(s) used for testing:

```
select *  
from VISIT
```

select *
from SERVICE_PROVIDER
The result are following

MySQL Workbench

Personal

File Edit View Query Database Server Tools Scripting Help

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variable
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

SCHEMAS

Filter objects

C4707F19U47

- Tables
- Views
- Stored Procedures
- Functions

Query 1

```
1 • select *
2 from VISIT
```

Limit to 1000 rows

Result Grid

#	VID	Bill	Date	Intake_clerk_id	PID	Assessment_Nurse_id	Cost	Insurance_info	Online_Form
1	1	123.2	1010-03-04	1	1	1	12	xxxx	yyyy
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

VISIT 13

Apply Revert

Action Output

#	Time	Action	Message	Duration / Fetch
144	01:05:53	insert into SERVICE_PROVIDER values (3, 'Jun', 'A','Huang',123...	1 row(s) affected	0.00081 sec
145	01:06:41	select * from VISIT LIMIT 0, 1000	1 row(s) returned	0.00045 sec / 0.000...

Query Completed

MySQL Workbench

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Query 1

```
select *
from SERVICE_PROVIDER
```

Limit to 1000 rows

Result Grid

#	EID	Fname	MINIT	Lname	SSN
1	2	Wang	A	Jian	123456781
2	3	Jun	A	Huang	123456785
*	NULL	NULL	NULL	NULL	NULL

SERVICE_PROVIDER 14

Apply Revert

Action Output

#	Time	Action	Message	Duration / Fetch
145	01:06:41	select * from VISIT LIMIT 0, 1000	1 row(s) returned	0.00045 sec / 0.000...
146	01:07:51	select * from SERVICE_PROVIDER LIMIT 0, 1000	2 row(s) returned	0.00035 sec / 0.000...

Query Completed

Explanation and Discussion

No possible Query to prove that a patient can be seen by only one service provider per visit at all because VISIT has no direct or indirect relationship with SERVICE_PROVIDER. Therefore, Our design does not meet the requirement that a patient be seen by only one service provided per time. The VISIT has no relationship with SERVICE_PROVIDER at all. This is a huge design mistake. There should a relation between SERVICE_PROVIDER and VISIT, but somehow we miss it. The result is we can insert a row to VISIT without anything in SERVICE_PROVIDER, so patients can have a visit without a service provider.

