

## Project: New Haven Urgent Care

Team# 13

Test Case ID#: 4

Test Date:

Name(s) of Tester(s):

Zixuan Zhang (zhan7230)

**Test Description (What are you testing? – you must be specific):** I'm testing that the system captures the insurance information of each 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):**

SQL filename: insurance\_info\_at\_visit\_4.sql

```
1  -- Data Setup
2  • INSERT EMPLOYEE VALUE("997a5826", "3302568897", "David", "Smith");
3  • INSERT NURSE VALUE("997a5826");
4  • INSERT INITIAL_ASSESSMENT VALUE("7928cc65", 180.00, 80.00, 140, 37.00, 100, "997a5826");
5
6  -- Inserting a visit record without a foreign key to an insurance record will fail
7  • INSERT VISIT_RECORD(Vid, Aid, Pid) VALUE("7cba992d", "7928cc65", "1ac27f31");
```

Output

Action Output

#	Time	Action	Message	Duration / Fetch
25	14:26:06	INSERT EMPLOYEE VALUE("997a5826", "3302568897", "David", "Smith")	1 row(s) affected, 1 warning(s): 1265 Data truncated for column 'Ssn' at row 1	0.016 sec
26	14:26:06	INSERT NURSE VALUE("997a5826")	1 row(s) affected	0.000 sec
27	14:26:06	INSERT INITIAL_ASSESSMENT VALUE("7928cc65", 180.00, 80.00, 140, 3...	1 row(s) affected	0.000 sec
28	14:26:06	INSERT VISIT_RECORD(Vid, Aid, Pid) VALUE("7cba992d", "7928cc65", "1...	Error Code: 1452. Cannot add or update a child row: a foreign key constraint f...	0.015 sec

```

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6  -- Inserting a visit record without a foreign key to an insurance record will fail
7  -- INSERT VISIT_RECORD(Vid, Aid, Pid) VALUE("7cba992d", "7928cc65", "1ac27f31");
8
9  • INSERT EMPLOYEE VALUE("447a5826", "1202566697", "David", "Smith");
10 • INSERT CLERK VALUE("447a5826");
11 • INSERT INSURANCE_RECORD VALUE("2556cbda", "447a5826");
12
13 -- Inserting a visit record with a foreign key to an insurance record will succeed
14 • INSERT VISIT_RECORD(Vid, Iid, Aid, Pid) VALUE("7cba992d", "2556cbda", "7928cc65", "1ac27f31");
15
16 • SELECT * FROM VISIT_RECORD JOIN INSURANCE_RECORD ON VISIT_RECORD.Iid = INSURANCE_RECORD.Iid
17 WHERE VISIT_RECORD.Vid = "7cba992d";

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

Vid	Iid	Aid	Pid	Iid	Cid
7cba992d	2556cbda	7928cc65	1ac27f31	2556cbda	447a5826

Result 3 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 48	14:35:06	INSERT CLERK VALUE("447a5826")	1 row(s) affected	0.016 sec
✓ 49	14:35:06	INSERT INSURANCE_RECORD VALUE("2556cbda", "447a5826")	1 row(s) affected	0.015 sec
✓ 50	14:35:06	INSERT VISIT_RECORD(Vid, Iid, Aid, Pid) VALUE("7cba992d", "2556cbda...	1 row(s) affected	0.000 sec
✓ 51	14:35:06	SELECT * FROM VISIT_RECORD JOIN INSURANCE_RECORD ON VISIT...	1 row(s) returned	0.000 sec / 0.000 sec

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

```
INSERT VISIT_RECORD(Vid, Aid, Pid) VALUE("7cba992d", "7928cc65", "1ac27f31");
```

This query which inserts a visit record without an insurance record id failed. (Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails (`C4707F20U33`.`VISIT\_RECORD`, CONSTRAINT `VISIT\_RECORD\_ibfk\_1` FOREIGN KEY (`lid`) REFERENCES `INSURANCE\_RECORD` (`lid`)))

```
INSERT VISIT_RECORD(Vid, lid, Aid, Pid) VALUE("7cba992d", "2556cbda", "7928cc65", "1ac27f31");
```

This query which inserts a visit record with an insurance record id succeed.

```
SELECT * FROM VISIT_RECORD JOIN INSURANCE_RECORD ON VISIT_RECORD.lid = INSURANCE_RECORD.lid  
WHERE VISIT_RECORD.Vid = "7cba992d";
```

This query will join VISIT\_RECORD table and INSURANCE\_RECORD table by linking visit records with corresponding insurance record through the foreign key relationship.

These queries show that a visit record must have an associated insurance record and we can retrieve those information by joining two tables together.