



# App Dev School/Billing Case

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**1 SUMMARY OF TEST CASES EXECUTED**

SCENARIOS	EXPECTED RESULT			ACTUAL RESULT	TEST RESULT (Passed/ Failed)	ACTION TAKEN
<p>The database table follow the design specifications</p> <p>Using the SQL keyword DESCRIBE, examine the design of the SUBSCRIBER_INFO table</p>	The program should return the following:					
	<p>Name SI_NAME SI_MSISDN SI_IMSI SI_ACC_NUM SI_BIRTHDAY SI_MAIDEN_NAME</p>	<p>Null?  NOT NULL</p>	<p>Type VARCHAR2(30) CHAR(20) CHAR(20) CHAR(20) VARCHAR2(14) VARCHAR2(20)</p>			
<p>Using the SQL keyword DESCRIBE, examine the design of the TRANSACTIONS table</p>	The program should return the following:					
	<p>Name TR_IMSI TR_TRANS_DATE TR_USAGE_TYPE TR_ID TR_COST</p>	<p>Null?  NOT NULL</p>	<p>Type CHAR(20) CHAR(20) CHAR(5) CHAR(20) NUMBER(10,2)</p>			
<p>Using the SQL keyword DESCRIBE, examine the design of the MONTHLY_USAGES table</p>	The program should return the following:					
	<p>Name MU_ACC_NUM MU_TRANS_DATE MU_TRANS_NUM MU_COST</p>	<p>Null? NOT NULL NOT NULL</p>	<p>Type CHAR(20) CHAR(6) NUMBER(38) NUMBER(10,2)</p>			
<p>Data Entry</p>	Table accepts normal values (will be used in other test case scenarios later on)					
	Using the Test Data provided below and the SQL keyword INSERT into, enter subscriber information into the database and use the SQL keyword SELECT to see that the data matches the test data entered.					
<p>Directory contains no files MED_20050721</p>	An error message will appear showing that the directory is empty.					



SCENARIOS	EXPECTED RESULT	ACTUAL RESULT	TEST RESULT (Passed/ Failed)	ACTION TAKEN
Directory contains files with incorrect filename format  Directory: MED_20050722 File: CDR_20050722_001.DAT	An error message will appear showing that the file has incorrect format.			
Directory contains 2 files out of 3 with an incorrect data format (one with less than 59 chars in length and one with more)  Directory: MED_20050723  MED_001_20050723.DAT MED_002_20050723.DAT MED_003_20050723.DAT	<ol style="list-style-type: none"> <li>1. An error message appears saying that the file &lt;filename&gt; has incorrect data format.</li> <li>2. System will still process only the file with the correct data format.</li> <li>3. One file will be in the output directory MED_003_20050723.DAT</li> <li>4. Processed files should have been deleted. Only two (2) files will be left in the input directory MED_001_20050723.DAT MED_002_20050723.DAT</li> </ol>			
System correctly inserts information into TRANSACTIONS Table	10 records matching the contents of MED_003_20050723.DAT should be in the table. Refer to TRANSACTIONS Table in Test Data.			
System correctly inserts records into MONTHLY_USAGES table.	2 records summarizing the contents of the transactions table should be shown. Refer to the MONTHLY_USAGES Table in the Test Data.			
Database account is locked  <ol style="list-style-type: none"> <li>1 Clear the contents of the TRANSACTIONS &amp; MONTHLY_USAGES tables.</li> <li>2 Ask the database administrator to lock the database and run the system.</li> </ol>	<ol style="list-style-type: none"> <li>1 Database will not be updated.</li> <li>2 System will return an error that a connection to the database could not be established.</li> <li>3 TRANSACTIONS and MONTHLY_USAGES table should be empty.</li> </ol>			



SCENARIOS	EXPECTED RESULT	ACTUAL RESULT	TEST RESULT (Passed/ Failed)	ACTION TAKEN
Table does not exist  DROP the MONTHLY_USAGES table and run the system	System will return an error that the table does not exist.			
Field does not exist  1 Clear the contents of the TRANSACTIONS & MONTHLY_USAGES tables.  2 ALTER the design of TRANSACTIONS table by deleting one field	System will return an error that the field does not exist.			



### 3 TEST DATA

#### SUBSCRIBER\_INFO TABLE

SI_NAME	SI_MSISDN	SI_IMSI	SI_ACC_NUM	SI_BIRTH DAY	SI_MAIDEN NAME
Ivan Or	9196547096*****	7411159637748596****	0129759873	05291974	Syyap
Joseph Ramos	9214929896*****	7418529637748596****	0245920390	12231980	Gutierrez
Verlin Samonte	9196658862*****	7412589631234567****	0119777259	02011967	Ongcapin

#### MEDIATION FILES

File: MED\_001\_20050723.DAT

7411159637748596\*\*\*\*20050723065333G2030NS-123456\*\*\*

File: MED\_002\_20050723.DAT

7418529637748596\*\*\*\*\*20050723065333G2030NS-123456\*\*\*\*\*

File: MED\_003\_20050723.DAT

7418529637748596\*\*\*\*20050723065333G2030NS-123456\*\*\*\*\*  
7412589631234567\*\*\*\*20050723065434G2029NS-123457\*\*\*\*\*  
7412589631234567\*\*\*\*20050723070100G1967NS-123458\*\*\*\*\*  
7412589631234567\*\*\*\*20050723072932G0166NS-123459\*\*\*\*\*  
7412589631234567\*\*\*\*20050723074510G0067NS-123460\*\*\*\*\*  
7412589631234567\*\*\*\*20050723075008G1768NS-123461\*\*\*\*\*  
7412589631234567\*\*\*\*20050723075959G2152NS-123462\*\*\*\*\*  
7412589631234567\*\*\*\*20050723080301G0952NS-123463\*\*\*\*\*  
7412589631234567\*\*\*\*20050723081035G2153NS-123464\*\*\*\*\*  
7412589631234567\*\*\*\*20050723081808G2151NS-123465\*\*\*\*\*



**TRANSACTIONS TABLE**

TR IMSI	TR TRANS DATE	TR USAGE TYPE	TR ID	TR COST
7418529637748596****	20050723065333	G2030	NS-123456*****	2.50
7412589631234567****	20050723065434	G2029	NS-123457*****	0.75
7412589631234567****	20050723070100	G1967	NS-123458*****	1.50
7412589631234567****	20050723072932	G0166	NS-123459*****	0.75
7412589631234567****	20050723074510	G0067	NS-123460*****	1.50
7412589631234567****	20050723075008	G1768	NS-123461*****	0.75
7412589631234567****	20050723075959	G2152	NS-123462*****	6.50
7412589631234567****	20050723080301	G0952	NS-123463*****	6.50
7412589631234567****	20050723081035	G2153	NS-123464*****	0.75
7412589631234567****	20050723081808	G2151	NS-123465*****	0.75

**MONTHLY USAGES TABLE**

MU_ACC_NUM	MU_TRANS_DATE	MU_TRANS_NUM	MU_COST
0245920390	050723	1	2.50
0119777259	050723	9	19.75