

Assessment -1.1.1

Duration: 3 Hours

Now a days, everyone is interested to do health insurance to reimburse their medical expenses. But as per the rule after 15 days of discharge of patient, the medical can generate invoice and send that to the insurance company for release the claimed amount of that particular patient.

Database Query

```
create table tbl_patient
(
patientid int primary key identity(1,1),
patientname varchar(50),
patientadd varchar(100),
patientphone varchar(50),
patientemail varchar(50)
)
insert into tbl_patient values('Ramesh Das','Nayapalli','9437194371','ramesh@gmail.com')
insert into tbl_patient values('Roja Mohanty','Saheednagar','9437194372','roja@gmail.com')
insert into tbl_patient values('Navin Dora','Patia','9437194373','navin@gmail.com')
insert into tbl_patient values('Kalyan Nayak','Cuttack','9437194374','kalyan@gmail.com')
insert into tbl_patient values('Rupashree Dash','Puri','9437194374','rupashree@gmail.com')
insert into tbl_patient values('Trilochan Rath','Jajpur','9437194376','trilochan@gmail.com')

create table tbl_Insurance
(
insuranceid int primary key identity(1,1),
insurancename varchar(50),
insuranceemail varchar(50)
)
insert into tbl_Insurance values('Star Health','rathbishnup@gmail.com')
insert into tbl_Insurance values('ICICI Lombard','bishnuprath@yahoo.com')
insert into tbl_Insurance values('HDFC Ergo','bishnu.rath@csm.tech')

create table tbl_Patient_Insurance
(
id int primary key identity(1,1),
dateofinsurance date,
insuranceid int,
patientid int,
scheme varchar(50),
coverpercentage numeric(5,2)
)
insert into tbl_Patient_Insurance values('3/4/2023',1,1,'Gold',60)
insert into tbl_Patient_Insurance values('3/4/2023',2,3,'Silver',50)
insert into tbl_Patient_Insurance values('3/4/2023',2,4,'Platinum',90)
insert into tbl_Patient_Insurance values('3/4/2023',1,6,'Gold',60)
insert into tbl_Patient_Insurance values('3/4/2023',1,2,'Silver',50)
insert into tbl_Patient_Insurance values('3/4/2023',1,5,'Gold',60)

create table tbl_Admission
(
id int primary key identity(1,1),
patientid int,
dateofadmission date,
dateofdischarge date,
patientstatus varchar(50),
insurancepaymentstatus varchar(50)
)
insert into tbl_Admission values(1,'5/14/2023','6/14/2023','Discharged','Paid')
insert into tbl_Admission values(2,'5/24/2023',null,'Under Treatment','Not Paid')
insert into tbl_Admission values(3,'6/1/2023','6/23/2023','Discharged','Not Paid')
insert into tbl_Admission values(4,'6/2/2023','7/3/2023','Discharged','Not Paid')
```

```

insert into tbl_Admission values(5,'7/1/2023',null,'Under Treatment','Not Paid')
insert into tbl_Admission values(6,'7/5/2023','7/20/2023','Discharged','Not Paid')

create table tbl_Patient_Billing
(
id int primary key identity(1,1),
dateofbilling date,
patientid int,
particular varchar(100),
amount numeric(8,2)
)
insert into tbl_Patient_Billing values('5/14/2023',1,'Admission',2000)
insert into tbl_Patient_Billing values('5/24/2023',1,'Operation',110000)
insert into tbl_Patient_Billing values('5/30/2023',1,'Service',20000)
insert into tbl_Patient_Billing values('6/13/2023',1,'Bed',60000)
insert into tbl_Patient_Billing values('6/13/2023',1,'Medicine',24000)

insert into tbl_Patient_Billing values('5/24/2023',2,'Admission',2000)
insert into tbl_Patient_Billing values('6/24/2023',2,'Operation',200000)

insert into tbl_Patient_Billing values('6/1/2023',3,'Admission',2000)
insert into tbl_Patient_Billing values('6/24/2023',3,'ICU',50000)
insert into tbl_Patient_Billing values('6/30/2023',3,'Service',20000)
insert into tbl_Patient_Billing values('6/22/2023',3,'Bed',46000)

insert into tbl_Patient_Billing values('6/2/2023',4,'Admission',2000)
insert into tbl_Patient_Billing values('6/24/2023',4,'Operation',80000)
insert into tbl_Patient_Billing values('6/30/2023',4,'Service',23000)
insert into tbl_Patient_Billing values('7/2/2023',4,'Bed',42000)

insert into tbl_Patient_Billing values('7/1/2023',5,'Admission',2000)
insert into tbl_Patient_Billing values('7/4/2023',5,'Medicine',10000)

insert into tbl_Patient_Billing values('7/5/2023',6,'Admission',2000)
insert into tbl_Patient_Billing values('7/7/2023',6,'Operation',200000)
insert into tbl_Patient_Billing values('7/19/2023',6,'Service',20000)
insert into tbl_Patient_Billing values('7/19/2023',6,'Bed',30000)
insert into tbl_Patient_Billing values('7/20/2023',6,'Medicine',14000)

```

Insurance Claim Details

Select Patient

Navin Dora

Insurance Company Name:

ICICI Lombard

Date Of Insurance:

3/4/2023

Scheme Name:

Silver

Conver Percentage:


50

SIno	Date Of Billing	Particular	Amount	Cover %	Cover Amount	Self Paid Amount
1	6/1/2023	Admission	2000	50	1000	1000
2	6/24/2023	ICU	50000	50	25000	25000
3	6/30/2023	Service	20000	50	10000	10000
4	6/22/2023	Bed	46000	50	23000	23000
Total			118000		59000	59000

Create PDF and Send That PDF to Insurance Company

Figure-1

1. When the page gets loaded into the memory the patient dropdownlist will be filled by all the patients whose insurancepaymentstatus is [not paid] and date of discharge is 15 days less than the current date.
(As per the given query there are two patients coming under the given condition 1. Navin Dora 2. Kalyan Nayak)
2. When you select any patient from the dropdownlist it will display the details as shown in figure-1
3. When you click on Button, it will create the invoice in PDF format as shown in figure-2. Then send that PDF to the respective Insurance company email. And update the insurancepaymentstatus field of tbl_Admission to [Invoice Send]



Odisha Hospital

Near Railway Station, Master Canteen, BBSR-1
Phone: 9437094370 Email: enquiry@odihos.com

Invoice No: 3
Invoice Date: 27-July-2023

Insurance Company Name: ICICI Lombard	Date Of Insurance: 4-Mar-2023
Scheme Name: Silver	Cover Percentage: 50

Patient Name: Navin Dora	Address: Patia
Phone Number: 9437194373	Email: navin@gmail.com

Sino	Date Of Billing	Perticular	Amount	Cover %	Cover Amount	Self Paid Amount
1	6/1/2023	Admission	2000	50	1000	1000
2	6/24/2023	ICU	50000	50	25000	25000
3	6/30/2023	Service	20000	50	10000	10000
4	6/22/2023	Bed	46000	50	23000	23000
Total			118000		59000	59000

Computer Generated Invoice does not Need Signature

Figure-2