***Project Title***

**SIM FRANCHISE MANAGEMENT SYSTEM**

# *Description*

It is a sim franchise database management system made in sql, which allocates sim numbers to customers and keeps the record!

Its an easy to use database management system where Sims are being allocated to the customers.

The database is design very technically and followed all steps of a professionally way to saved records .

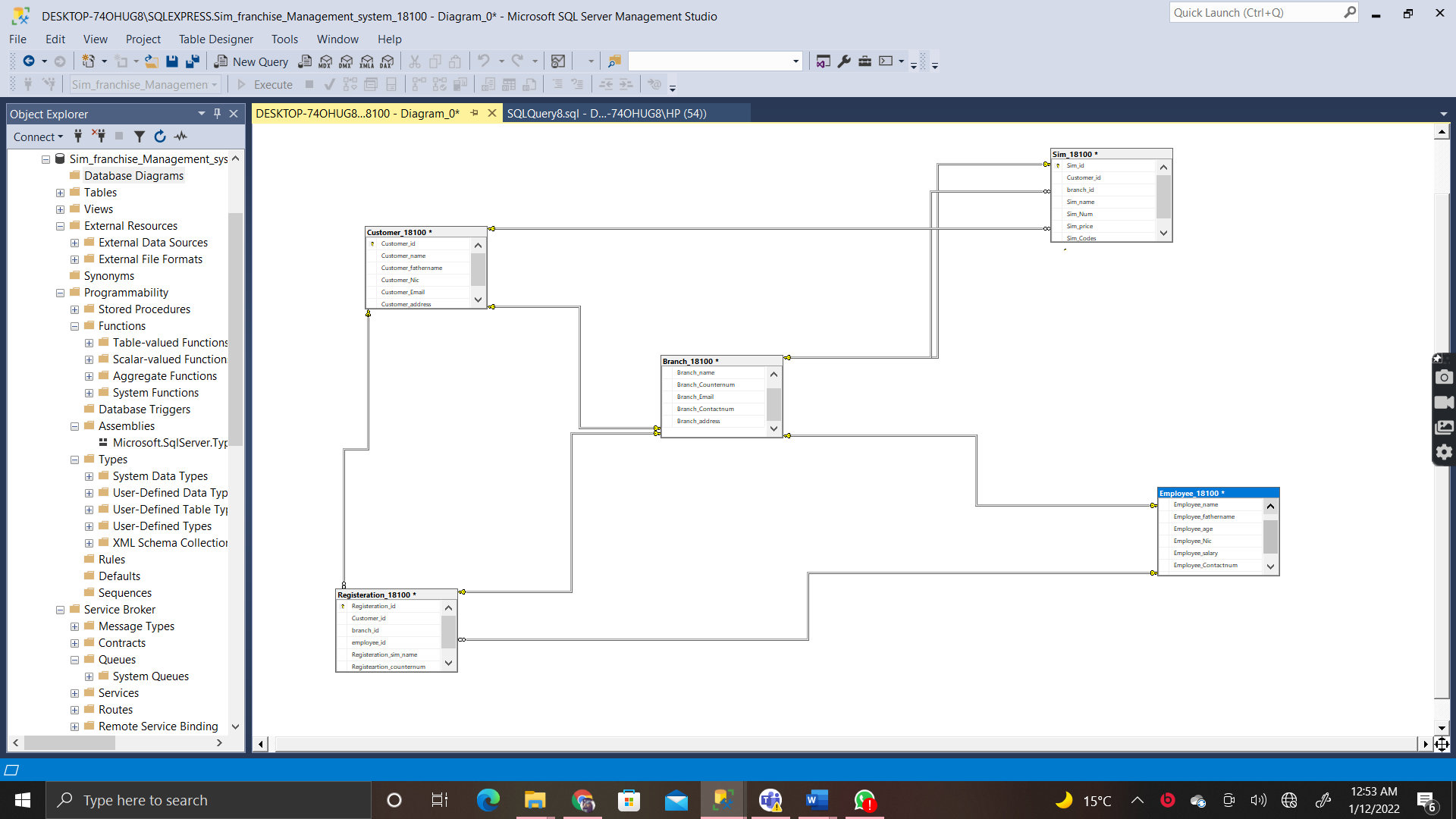
## *Project Advantages*

* Making sim record easy
* Generate sim revenue
* Making process easier from others
* Get Customer data with systematic way
* All actions record is saved properly
* Totally relational database

### *Project Limitations*

* National database.
* To control record.
* User registered with national Identity.

***ERD DIAGRAM***



***QURIES***

CREATE DATABASE Sim\_franchise\_Management\_system\_18100

CREATE TABLE Customer\_18100

(

Customer\_id int identity (1,1) primary key,

Customer\_name varchar (255),

Customer\_fathername varchar (255),

Customer\_Nic varchar(25),

Customer\_Email varchar (255),

Customer\_address varchar (255),

)

Insert into Customer\_18100 ( Customer\_name,Customer\_fathername,Customer\_Nic,Customer\_Email,Customer\_address) values

('shahid','Muhammad khalid','42101-5477873-1','usama.18049@iqra.edu.pk','jauhar'),

('bilal','Muhammad akhtar','42101-5877783-1','bilal.18381@iqra.edu.pk','gulshan'),

('Rizwan','Hafeez baig','42101-6498787-1','rizwan.18048@iqra.edu.pk','malir'),

('Faizan','Amir','42101-7279787-1','faizan.18051@iqra.edu.pk','abbas town'),

('Anas','Mehmood','42101-6098237-1','anas.18052@iqra.edu.pk','malir')

CREATE TABLE Employee\_18100

(

Employee\_id int identity (1,1) primary key,

Employee\_name varchar (255),

Employee\_fathername varchar (255),

Employee\_age int,

Employee\_Nic varchar(25),

Employee\_salary int,

Employee\_Contactnum varchar (25),

Employee\_address varchar (255),

)

Insert into Employee\_18100( Employee\_name,Employee\_fathername,Employee\_age,Employee\_Nic,Employee\_salary,Employee\_Contactnum,Employee\_address) values

('Rashid','Muhammad shafeeq','18','42101-2572873-1','20000','0343-3333578','surjani'),

('faraz','Muhammad saeed','19','42101-5888883-1','25000','0343-3399552','maymar'),

('arbaz','sultan','20','42101-9798739-1','30000','0311-231158','malir'),

('adil','afzal','21','42101-73119787-1','35000','0300-0060988','malir'),

('shahmer','Maqsood','22','42101-6000237-1','40000','0301-3000078','gulber')

CREATE TABLE Branch\_18100

(

Branch\_id int identity (1,1) primary key,

Branch\_name varchar (255),

Branch\_Counternum varchar (255),

Branch\_Email varchar (255),

Branch\_Contactnum Varchar (25),

Branch\_address varchar (255),

)

Insert into Branch\_18100( Branch\_name,Branch\_Counternum,Branch\_email,Branch\_Contactnum,Branch\_address) values

('Zong franchise','6','Zongfran96@gmail.com','0211-6636365','5star Chowarngi'),

('ufone franchise','7','ufonefran81@gmail.com','0211-6646365','gulshan'),

('telenor franchise','8','telenor98fran11@gmail.com','0211-6656365','malir'),

('jazz franchise','9','jazzfran99@gmail.com','0211-6636365','jauhar'),

('warid franchise','10','waridfran90@gmail.com','0211-6636365','malir')

CREATE TABLE Sim\_18100

(

Sim\_id int identity (1,1) primary key,

Customer\_id int not null,

branch\_id int not null,

Sim\_name varchar (255),

Sim\_Num varchar (255),

Sim\_price int,

Sim\_Codes varchar (255),

)

Insert into Sim\_18100( Customer\_id,branch\_id,Sim\_name,Sim\_Num,Sim\_price,Sim\_Codes) values

('5','5','Zong ','0311-2133997','150','\*101#'),

('3','2','ufone ','0333-2100937','250','\*003#'),

('4','3','telenor ','0343-2133557','275','\*2001#'),

('1','4','jazz ','0301-2133007','175','\*4001#'),

('2','1','warid ','0300-2133997','300','\*501#')

CREATE TABLE Registeration\_18100

(

Registeration\_id int identity (1,1) primary key,

Customer\_id int not null,

branch\_id int not null,

employee\_id int not null,

Registeration\_sim\_name varchar (255),

Registeartion\_counternum varchar (255),

)

insert into Registeration\_18100 (Customer\_id,branch\_id,employee\_id,Registeration\_sim\_name,Registeartion\_counternum) values

('5','5','3','zong','6'),

('3','2','4','ufone','7'),

('4','3','5','telenor','8'),

('1','4','1','jazz','9'),

('2','1','2','warid','10')

---------- FOR SHOW ALL TABLE -------------

select \* from Customer\_18100

select \* from Employee\_18100

select \* from Branch\_18100

select \* from Sim\_18100

select \* from Registeration\_18100

------ FOR UPDATE ----------

Update Customer\_18100

set Customer\_name = 'faizan'

where Customer\_id= 1

----- FOR ALTER ADD -------

alter table Employee\_18100

add salary decimal (2,1)

-------- FOR ALTER DROP --------

alter table Employee\_18100

drop column salary

--------- FOR MAX ------------

select MAX (Employee\_age) from Employee\_18100

---------- FOR MIN ----------

select Min (Employee\_age) from Employee\_18100

---------- FOR AVG ----------

select avg (Employee\_age) from Employee\_18100

----------- FOR SUM ----------

select sum (Sim\_price) from Sim\_18100

----------- FOR COUNT ---------

select count (Employee\_salary)

from Employee\_18100;

---------- FOR LIKE -------

Select \* From Sim\_18100

where Sim\_price between 100 and 300

and Sim\_name like 'z%'

--------- FOR ORDER --------

select \* from Sim\_18100

where Sim\_name <>'warid'

order by Sim\_name

-------- FOR DELETE --------

delete Employee\_18100 where Employee\_id=2

--------- FOE UNIQUE ---------

Alter table Sim\_18100 add unique (Sim\_id)

--------- FOR WHERE -------

select Customer\_name from Customer\_18100 where Customer\_address='jauhar';

---------- FOR DISTICNT ----------

select distinct Customer\_name,Customer\_address from Customer\_18100

---------- FOR CREATE LOGIN --------

create login admin1 with password ='1237'

create login assistant with password ='abcd'

--------- FOR CREATE USER ---------

create user admin1 for login admin1

create user assistant for login assistant

--------- FOR GRANT ---------

grant select on customer\_18100 to Admin1

grant Insert,Delete on Sim\_18100 to assistant

----------- FOR REVOKE ---------

revoke delete on Sim\_18100 to assistant

-------- INNER JOIN----------

select Employee\_18100.Employee\_id,Branch\_18100.Branch\_name from Employee\_18100 inner join Branch\_18100 on Employee\_18100.Employee\_id = Branch\_18100.Branch\_id

---------- FOR RIGHT JOIN -----------

select Sim\_18100.Sim\_price,Employee\_18100.Employee\_name from Sim\_18100 right join Employee\_18100 on Sim\_18100.Sim\_id=Employee\_18100.Employee\_id

-------- LEFT JOIN ----------

select Customer\_18100.Customer\_name,Sim\_18100.Sim\_id from Customer\_18100

left join Sim\_18100 on Customer\_18100.Customer\_id=Sim\_18100.Customer\_id

order by Customer\_18100.Customer\_name

-------- FULL JOIN ---------

select Employee\_18100.Employee\_name, Branch\_18100.Branch\_id

from Employee\_18100

full OUTER JOIN Branch\_18100 ON Employee\_18100.Employee\_id=Branch\_18100.Branch\_id

order by Employee\_18100.Employee\_name;

-- TRIGGER

-------- AFTER INSERT TRIGGERS -----

create trigger tr\_insert\_tbl\_Employee\_18100

on Employee\_18100

after insert

as

begin

print'New record has been added.'

end

-- insert some data in student table

insert into Employee\_18100( Employee\_id,Employee\_fathername,Employee\_age,Employee\_Nic,Employee\_salary,Employee\_Contactnum,Employee\_address) values

('Rashid','Muhammad shafeeq','18','42101-2572873-1','20000','0343-3333578','surjani')

-- AFTER TRIGGER FOR DELETE DATA --------

create trigger tr\_delete\_tbl\_Employee\_18100

on Employee\_18100

after delete

as

begin

print'Something has been deleted.'

end

-- delete some data from student table

delete from Employee\_18100 where Employee\_id = 3