

Database Systems

Fall 2019

Project Report - SQL Queries

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1 Instructions

This details the queries used in the project. The queries are divided into two parts. The first part deals with the data population for the forms. The second part are the triggers and stored procedures used. Comments are added where needed for assistance. All queries used are in **SQL**.

2 Data Population

The following are the queries used for the data population in the form:

```
select * from Patient
select* from LoginID
select * from Appointment
select * from Cases

declare @a int
set @a = 1

begin transaction t1

while (@a <170000)
begin
insert into Patient
values ('a','F','01-01-01', 03333333333, 'Address', 'email@server.com', null, null)

insert into LoginID
values (Null, 'Password1234', @a,'AAA')
set @a=@a+1
```

```

end
--commit transaction t2
--rollback transaction t1
--dbcc CHECKIDENT ('Patient', reseed, 13)

declare @a int
set @a = 90000

begin transaction t2

while (@a <100000)
begin

--update Patient
--set PatientName = (select [name] from [project-final] where id = @a)
--where idPatient =@a

--update Patient
--set EmailID = (select [name] from [project-final] where id = @a)+'@server.com'
--where idPatient =@a

--commit transaction t3
--commit transaction t1

begin transaction t10
declare @a int
set @a=1

while (@a <100000)
begin

update LoginID
set LoginIDID = username + cast(@a as varchar(10))
where Patient_idPatient =@a

update LoginID
set loginPassword = 'password' + cast(@a as varchar(10))
where Patient_PatientID =@a
set @a = @a+1

END
commit transaction t10

```

3 Procedures and Triggers

The following are the triggers and procedures used:

```
create procedure findDoctor
@appID int
as
begin
select doctortname
from appointment a, doctor d
where a.doctor_DoctorID=d.DoctorID and AppointmentID = @appID
end
```

```
create view appointmentView
as
select *
from Appointment
```

```
select * from appointmentView
```

```
create trigger triggerDelete
on login
after delete
as
begin
delete from Patient where PatientID=(SELECT deleted.Patient_PatientID FROM deleted)
end
```