Create procedure add\_patient @first\_name varchar(20), @last\_name varchar(20), @date\_of\_birth date, @sex varchar(1), @home\_phone int, @email varchar(30), @insurance\_number int, @policy\_number int, @address int, @status int, @patient\_medications varchar(max)  
as  
insert into patients values (@first\_name, @last\_name, @date\_of\_birth, @sex, @home\_phone, @email, @insurance\_number, @policy\_number, @address, @status, @patient\_medications)  
GO

#create procedure to set primary patient address   
  
create procedure add\_address @street\_name varchar(20), @city varchar(20), @state varchar(2), @zip\_code int  
as  
insert into addresses values (@street\_name, @city, @state, @zip\_code)  
GO  
create procedure create\_appointment @variables  
as  
insert into appointments values (@variables)  
GO

Create procedure make\_referral @variables  
as  
insert into referrals values (@variables)  
GO

Create procedure add\_employee @variables  
as   
insert into employees values (@variables)  
GO  
  
create procedure add\_role @variables  
as  
insert into roles values (@variables)  
GO

Create procedure assign\_role @variables  
as  
insert into role\_relationships values (@variables)  
GO  
  
Create procedure add\_procedure @variables  
as   
insert into procedures values (@variables)  
GO

Create procedure add\_modality @variables  
as   
insert into modalities values (@variables)  
GO

Create procedure add\_images @variables  
as  
insert into images values (@variables)  
GO  
  
Create procedure add\_image\_to\_report @variables  
as  
insert into image\_report\_relationships values (@variables)  
GO  
  
Create procedure add\_report @variables  
as   
insert into reports values (@variables)  
GO

Create procedure add\_image\_procedure\_relationship @variables  
as  
insert into procedure\_image\_relationships values (@variables

Create table patients  
(

user\_id int primary key identity(1,1),  
first\_name varchar(20) not null,  
last\_name varchar(20) not null,  
date\_of\_birth date not null,  
sex varchar not null,  
home\_phone int,  
email varchar(30),  
insurance\_number int,  
policy\_number int,  
address int null foreign key references addresses(address\_id),  
status int,  
patient\_medications varchar(max)

);

Create table addresses   
(

address\_id int primary key identity(1,1),  
 street\_name varchar(20) not null,  
 city varchar(20) not null,  
 state varchar(2) not null,   
 zip\_code integer not null

);

Create table appointments

(

appointment\_id int primary key identity(1,1),  
 user\_id int null foreign key references patients(user\_id) not null,  
 appointment\_date date not null,  
 appointment\_time time not null,  
 patient\_sign\_in\_time time,  
 patient\_sign\_out\_time time,  
 procedure\_id int null foreign key references procedures(procedure\_id) not null,  
 machine\_id int null foreign key references modalities(machine\_id),  
 employee\_id int null foreign key references employees(employee\_id),  
 reason\_for\_referral varchar(max) not null,  
 special\_comments varchar(max)

);

Create table referrals

(

referral\_id int primary key identity(1,1),  
employee\_id int null foreign key references employees(employee\_id),  
user\_id int null foreign key references patients(user\_id)

);

Create table employees   
(

employee\_id int primary key identity(1,1),  
 first\_name varchar(20) not null,  
 last\_name varchar(20) not null,  
 #availability  
 email varchar(30)

);

Create table role\_relationships   
(

role\_relationship\_id int primary key identity(1,1),  
 employee\_id int null foreign key references employees(employee\_id),  
 role\_id int null foreign key references roles(role\_id)

);

Create table roles   
(

role\_id int primary key identity(1,1),  
 role\_name varchar(20) not null  
 #permissions

);

Create table procedures   
(

procedure\_id int primary key identity(1,1),  
 procedure\_name varchar(20) not null,  
 machine\_type\_id int not null

);

Create table modalities   
(

machine\_id int primary key identity(1,1),  
 machine\_type\_id int not null,  
 date\_purchased date,  
 #time\_between\_checkups time,  
 machine\_information varchar(max),  
 next\_maintenance\_date date,  
 #available Boolean,  
 machine\_name varchar(20) not null

);

Create table images   
(

image\_id int primary key identity(1,1),  
 image\_data blob not null, #image\_link varchar(max),  
 machine\_id int null foreign key references modalities(machine\_id),  
 user\_id int null foreign key references patients(user\_id),  
 exam\_date date not null,  
 employee\_id int null foreign key references employees(employee\_id)

);

Create table image\_report\_relationships   
(

report\_relationship\_id int primary key identity(1,1),  
 image\_id int null foreign key references images(image\_id),  
 report\_id int null foreign key references reports(report\_id)

);

Create table reports   
(

report\_id int primary key identity(1,1),  
 report\_conclusions varchar(max),  
 employee\_id int null foreign key references employees(employee\_id),  
 user\_id int null foreign key references patients(user\_id)

);

Create table procedure\_image\_relationships   
(

procedure\_relationship\_id int primary key identity(1,1)  
 procedure\_id int null foreign key references procedures(procedure\_id),  
 image\_id int null foreign key references images(image\_id)

);

insert into patients values ('Ian', 'Neer', '1996-07-07', 'm', 7063481222, 10, 15, null, 0, 'Adderall XR 35mg');