**The SQL statements used to create the tables:**

CREATE TABLE User\_type(

Type\_ID INT NOT NULL,

Entitlement VARCHAR(255) NOT NULL,

PRIMARY KEY(Type\_ID)

);

CREATE TABLE Status(

Status\_ID INT NOT NULL,

Status\_Name VARCHAR(15) NOT NULL,

Status\_Type VARCHAR(15) NOT NULL,

Status\_Description VARCHAR(255),

UNIQUE(Status\_Type),

PRIMARY KEY (Status\_ID)

);

CREATE TABLE Review(

Amp\_ID INT NOT NULL,

Rev\_Date DATE NOT NULL,

Dent\_Rating INT NOT NULL,

Clinic\_Rating INT NOT NULL,

Review VARCHAR(255) NOT NULL,

PRIMARY KEY(Amp\_ID)

);

CREATE TABLE Specialty(

Specialty\_ID INT NOT NULL,

Spec\_name VARCHAR(15) NOT NULL,

Decsription VARCHAR(255) NOT NULL,

UNIQUE(Spec\_name),

PRIMARY KEY(Specialty\_ID)

);

CREATE TABLE User(

U\_ID INT NOT NULL,

Username VARCHAR(15) NOT NULL,

Fname VARCHAR(15) NOT NULL,

LName VARCHAR(15) NOT NULL,

Hashed\_PW VARCHAR(255) NOT NULL,

Email VARCHAR(255) NOT NULL,

Reg\_Date DATE NOT NULL,

Type\_ID INT NOT NULL,

Status\_ID INT NOT NULL,

PRIMARY KEY (U\_ID),

UNIQUE(Username,Email),

FOREIGN KEY (Type\_ID) references User\_type(Type\_ID),

FOREIGN KEY (Status\_ID) references Status(Status\_ID)

);

CREATE TABLE User\_contact\_number(

Contact\_number INT NOT NULL,

U\_ID INT NOT NULL,

Number\_type VARCHAR(10) NOT NULL,

Number\_order INT NOT NULL,

PRIMARY KEY(Contact\_number),

FOREIGN KEY(U\_ID) REFERENCES User(U\_ID)

);

CREATE TABLE News(

News\_ID INT NOT NULL,

Pub\_date DATE NOT NULL,

End\_date INT,

Content VARCHAR(255) NOT NULL,

SysAdmin\_ID INT NOT NULL,

PRIMARY KEY (News\_ID),

FOREIGN KEY (SysAdmin\_ID) REFERENCES User(U\_ID)

);

CREATE TABLE Advertisement(

Ad\_ID INT NOT NULL,

Start\_date DATE NOT NULL,

End\_date DATE NOT NULL,

Content VARCHAR(255) NOT NULL,

Fees DOUBLE NOT NULL,

SysAdmin\_ID INT NOT NULL,

PRIMARY KEY (Ad\_ID),

FOREIGN KEY (SysAdmin\_ID) REFERENCES User(U\_ID)

);

CREATE TABLE Clinic(

C\_ID INT NOT NULL,

C\_profile VARCHAR(255),

Servises VARCHAR(255),

Location VARCHAR(255) NOT NULL,

Website VARCHAR(255),

Email VARCHAR(255),

Rating DOUBLE NOT NULL,

Clinic\_ManID INT NOT NULL,

Status\_ID INT NOT NULL,

UNIQUE(Email,Location,Website),

PRIMARY KEY (C\_ID),

FOREIGN KEY (Status\_ID) REFERENCES Status(Status\_ID),

FOREIGN KEY (Clinic\_ManID) REFERENCES User(U\_ID)

);

CREATE TABLE Clinic\_contact\_number(

Clinic\_number INT NOT NULL,

C\_ID INT NOT NULL,

number\_type VARCHAR(10) NOT NULL,

number\_order INT NOT NULL,

PRIMARY KEY(Clinic\_number),

FOREIGN KEY(C\_ID) REFERENCES Clinic(C\_ID)

);

CREATE TABLE Dentist(

D\_ID INT NOT NULL,

Fname VARCHAR(15) NOT NULL,

Lname VARCHAR(15) NOT NULL,

Dentist\_profile VARCHAR(255),

Start\_career\_date DATE NOT NULL,

Website VARCHAR(255),

Email VARCHAR(255),

Rating DOUBLE NOT NULL,

Specialty\_ID INT NOT NULL,

Clinic\_ID INT,

Clinic\_office INT NOT NULL,

Clinic\_num INT NOT NULL,

Status\_ID INT NOT NULL,

PRIMARY KEY(D\_ID),

UNIQUE(Email,website),

FOREIGN KEY(Clinic\_ID) REFERENCES Clinic(C\_ID),

FOREIGN KEY(Status\_ID) REFERENCES Status(Status\_ID),

FOREIGN KEY(Specialty\_ID) REFERENCES Specialty(Specialty\_ID)

);

CREATE TABLE Dentist\_contact\_number(

Dentist\_number INT NOT NULL,

Dentist\_ID INT NOT NULL,

number\_type VARCHAR(10) NOT NULL,

number\_order INT NOT NULL,

PRIMARY KEY(Dentist\_number),

FOREIGN KEY(Dentist\_ID) REFERENCES Dentist(D\_ID)

);

CREATE TABLE Appointment(

Apm\_ID INT NOT NULL,

Apm\_Reserv\_date DATE NOT NULL,

Apm\_Date DATE NOT NULL,

Apm\_Type VARCHAR(255) NOT NULL,

Patient\_ID INT NOT NULL,

Recept\_ID INT NOT NULL,

Dentist\_ID INT NOT NULL,

Status\_ID INT NOT NULL,

PRIMARY KEY(Apm\_ID),

FOREIGN KEY(Patient\_ID) REFERENCES User(U\_ID),

FOREIGN KEY(Status\_ID) REFERENCES Status(Status\_ID),

FOREIGN KEY(Recept\_ID) REFERENCES User(U\_ID),

FOREIGN KEY(Dentist\_ID) REFERENCES Dentist(D\_ID)

);