SQL Tables

CREATE TABLE DOCTOR (

DoctorID Int NOT NULL,

DoctorName Char (25) NOT NULL,

Specialty Char (35) NOT NULL,

OfficePhone Char (12) NOT NULL,

CONSTRAINT DOCTOR\_PK PRIMARY KEY (DoctorID)

);

CREATE TABLE PATIENT (

PatientID Int NOT NULL,

LastName Char (25) NOT NULL,

FirstName Char (25) NOT NULL,

DateofBirth DateTime NOT NULL,

HealthInsurance Char (35) NOT NULL,

Address Char (60) NOT NULL,

PhoneNumber Char (12) NOT NULL,

EmailAddress Char (35) NULL,

CONSTRAINT PAT\_PK PRIMARY KEY (PatientID)

);

CREATE TABLE APPOINTMENT (

DoctorID Int NOT NULL,

PatientID Int NOT NULL,

VisitDate DateTime NOT NULL,

VisitTime DateTime NOT NULL,

CONSTRAINT APPOINT\_PK PRIMARY KEY (DoctorID, PatientID),

CONSTRAINT APPOINT\_DOCT\_FK FOREIGN KEY (DoctorID)  
 REFERENCES DOCTOR (DoctorID),

CONSTRAINT APPOINT\_PAT\_FK FOREIGN KEY (PatientID)  
 REFERENCES PATIENT (PatientID)

);

CREATE TABLE SERVICE (

ServiceID Int NOT NULL,

ServiceType Char (35) NOT NULL,

ServiceCost Currency NOT NULL,

ServiceTimeinMinutes Number NOT NULL,

CONSTRAINT SERV\_PK PRIMARY KEY (ServiceID)

);

CREATE TABLE PATIENT\_SERVICE (

ServiceID Int NOT NULL,

PatientID Int NOT NULL,

Copayment Currency NOT NULL,

ServiceDate DateTime NOT NULL,

CONSTRAINT PAT\_SERV\_PK PRIMARY KEY (ServiceID, PatientID),

CONSTRAINT PATSERV\_SERV\_FK FOREIGN KEY (ServiceID)  
 REFERENCES SERVICE (ServiceID),

CONSTRAINT PATSERV\_PAT\_FK FOREIGN KEY (PatientID)  
 REFERENCES PATIENT (PatientID)

);

CREATE TABLE ITEM (

SupplyID Int NOT NULL,

SupplyType Char (35) NOT NULL,

PriceperItem Currency NOT NULL,

QuantityonHand Char (35) NOT NULL,

CONSTRAINT ITE\_PK PRIMARY KEY (SupplyID)

);

CREATE TABLE SERVICE\_ITEM (

ServiceID Int NOT NULL,

SupplyID Int NOT NULL,

CONSTRAINT SERVIT\_PK PRIMARY KEY (ServiceID, SupplyID),

CONSTRAINT SERVIT\_SERV\_FK FOREIGN KEY (ServiceID)  
 REFERENCES SERVICE (ServiceID),

CONSTRAINT SERVIT\_ITE\_FK FOREIGN KEY (SupplyID)  
 REFERENCES ITEM (SupplyID)

);

CREATE TABLE SUPPLIER (

SupplierID Int NOT NULL,

SupplierName Char (35) NOT NULL,

SupplierPhone Char (12) NOT NULL,

City Char (60) NOT NULL,

State Char (50) NOT NULL,

ZipCode Char (12) NOT NULL,

CONSTRAINT SUPPL\_PK PRIMARY KEY (SupplierID)

);

CREATE TABLE SUPPLIER\_ITEM (

SupplierID Int NOT NULL,

SupplyID Int NOT NULL,

CONSTRAINT SUPPITE\_PK PRIMARY KEY (SupplierID, SupplyID),

CONSTRAINT SUPPITE\_SUPPL\_FK FOREIGN KEY (SupplierID)  
 REFERENCES SUPPLIER (SupplierID),

CONSTRAINT SUPPITE\_ITE\_FK FOREIGN KEY (SupplyID)  
 REFERENCES ITEM (SupplyID)

);

**Populating the Tables**

INSERT INTO DOCTOR VALUES (1, ‘Dr. Alice Vasquez’, ‘Family Medicine’, ‘346-905-1356’);

INSERT INTO DOCTOR VALUES (2, ‘Dr. John Greenwich’, ‘Surgery’, ‘346-905-1356’);

INSERT INTO DOCTOR VALUES (3, 'Dr. Ronald Smith', ‘Internal Medicine', '346-905-1356');

INSERT INTO PATIENT VALUES (1, ‘Waugh’, ‘Kyle’, ‘12/3/1964’, ‘Optimum’, ‘16078 Cherry Lane’, ‘346-123-4678’, ‘kwaugh@email.com’);

INSERT INTO PATIENT VALUES (2, 'Garcia', 'Ava', '4/23/1976', 'MedStar', '13390 Nicole Court', '813-789-4821', 'agarc@email.com');

INSERT INTO PATIENT VALUES (3, 'Fox', 'Alicia', '1/8/1992', 'Centrix', '1478 East Street', '346-481-5314', 'afox@email.com');

INSERT INTO PATIENT VALUES (4, 'Bryant', 'Daniel', '3/24/1987', 'MedStar', '4944 Blossom Street', '146-783-9647', 'db@email.com');

INSERT INTO PATIENT VALUES (5, 'Kam', 'Eddie', '6/17/1948', 'Optimum', '333 Northside Drive', '346-608-2434', 'ekam@email.com');

INSERT INTO PATIENT VALUES (6, 'Sirico', 'Laura', '11/19/1958', 'CareGroup', '12164 Windsor Drive', '747-222-6696', 'isirico@email.com');

INSERT INTO APPOINTMENT VALUES (1, 3, ‘4/25/2022’, ‘8:30 AM’);

INSERT INTO APPOINTMENT VALUES (2, 6, ‘4/26/2022’, ‘9:00 AM’);

INSERT INTO APPOINTMENT VALUES (3, 2, ‘4/27/2022’, ‘11:00 AM’);

INSERT INTO APPOINTMENT VALUES (1, 1, ‘4/28/2022’, ‘10:30 AM’);

INSERT INTO APPOINTMENT VALUES (3, 5, ‘4/29/2022’, ‘1:45 PM’);

INSERT INTO APPOINTMENT VALUES (2, 2, ‘5/2/2022’, ‘8:00 AM’);

INSERT INTO APPOINTMENT VALUES (3, 4, ‘5/2/2022’, ‘3:00 PM’);

INSERT INTO SERVICE VALUES (1, ‘Physical Examination’, 150, 30);

INSERT INTO SERVICE VALUES (2, ‘Urgent/Emergency Care’, 200, 60);

INSERT INTO SERVICE VALUES (3, ‘Surgery’, 1000, 120);

INSERT INTO SERVICE VALUES (4, ‘Diagnostic Testing’, 200, 45);

INSERT INTO ITEM VALUES (1, 'Gloves', 5, '100 Boxes');

INSERT INTO ITEM VALUES (2, 'Vital Signs Monitor', 700, '5 Monitors');

INSERT INTO ITEM VALUES (3, 'EKG Monitor', 800, '5 Monitors');

INSERT INTO ITEM VALUES (5, 'Hand Sanitizer/Soap', 4, '50 Sanitizers');

INSERT INTO ITEM VALUES (6, 'Gauze/Band-Aids', 5, '100 Boxes');

INSERT INTO ITEM VALUES (7, 'Alcohol Pads', 5, '100 Boxes');

INSERT INTO ITEM VALUES (9, 'Needles/Syringes', 35, '500 Needles/Syringes');

INSERT INTO ITEM VALUES (10, 'Surgical Kit', 100, '150 Surgical Kits');

INSERT INTO ITEM VALUES (11, 'Wound Care Kit', 30, '100 Kits');

INSERT INTO ITEM VALUES (12, 'Personal Protective Equipment', 15, '20 Count’);

INSERT INTO SUPPLIER VALUES (1, 'EZ Medical', '414-123-3456', 'Milwaukee', 'WI', '53022');

INSERT INTO SUPPLIER VALUES (2, 'WWHealth', '779-236-4212', 'Rockford', 'IL', '61104');

INSERT INTO SUPPLIER VALUES (3, 'SafeKit', '321-457-3629', 'Green Bay', 'WI', '54301');

INSERT INTO PATIENT\_SERVICE VALUES (1, 3, 20, ‘4/25/2022’);

INSERT INTO PATIENT\_SERVICE VALUES (1, 6, 20, ‘4/26/2022’);

INSERT INTO PATIENT\_SERVICE VALUES (1, 2, 20, ‘4/27/2022’);

INSERT INTO PATIENT\_SERVICE VALUES (2, 1, 40, ‘4/28/2022’);

INSERT INTO PATIENT\_SERVICE VALUES (4, 5, 30, ‘4/29/2022’);

INSERT INTO PATIENT\_SERVICE VALUES (3, 2, 50, ‘5/2/2022’);

INSERT INTO PATIENT\_SERVICE VALUES (1, 4, 20, ‘5/2/2022’);

INSERT INTO SERVICE\_ITEM VALUES (1, 1);

INSERT INTO SERVICE\_ITEM VALUES (1, 2);

INSERT INTO SERVICE\_ITEM VALUES (1, 4);

INSERT INTO SERVICE\_ITEM VALUES (1, 5);

INSERT INTO SERVICE\_ITEM VALUES (1, 6);

INSERT INTO SERVICE\_ITEM VALUES (2, 1);

INSERT INTO SERVICE\_ITEM VALUES (2, 2);

INSERT INTO SERVICE\_ITEM VALUES (2, 5);

INSERT INTO SERVICE\_ITEM VALUES (2, 6);

INSERT INTO SERVICE\_ITEM VALUES (2, 7);

INSERT INTO SERVICE\_ITEM VALUES (2, 8);

INSERT INTO SERVICE\_ITEM VALUES (2, 9);

INSERT INTO SERVICE\_ITEM VALUES (2, 11);

INSERT INTO SERVICE\_ITEM VALUES (3, 1);

INSERT INTO SERVICE\_ITEM VALUES (3, 2);

INSERT INTO SERVICE\_ITEM VALUES (3, 3);

INSERT INTO SERVICE\_ITEM VALUES (3, 5);

INSERT INTO SERVICE\_ITEM VALUES (4, 1);

INSERT INTO SERVICE\_ITEM VALUES (4, 2);

INSERT INTO SERVICE\_ITEM VALUES (4, 3);

INSERT INTO SERVICE\_ITEM VALUES (4, 5);

INSERT INTO SERVICE\_ITEM VALUES (4, 7);

INSERT INTO SERVICE\_ITEM VALUES (4, 8);

INSERT INTO SERVICE\_ITEM VALUES (4, 9);

INSERT INTO SERVICE\_ITEM VALUES (4, 10);

INSERT INTO SERVICE\_ITEM VALUES (4, 12);

INSERT INTO SUPPLIER\_ITEM VALUES (1, 1);

INSERT INTO SUPPLIER\_ITEM VALUES (1, 5);

INSERT INTO SUPPLIER\_ITEM VALUES (1, 6);

INSERT INTO SUPPLIER\_ITEM VALUES (1, 7);

INSERT INTO SUPPLIER\_ITEM VALUES (1, 9);

INSERT INTO SUPPLIER\_ITEM VALUES (1, 12);

INSERT INTO SUPPLIER\_ITEM VALUES (2, 2);

INSERT INTO SUPPLIER\_ITEM VALUES (2, 3);

INSERT INTO SUPPLIER\_ITEM VALUES (2, 4);

INSERT INTO SUPPLIER\_ITEM VALUES (3, 8);

INSERT INTO SUPPLIER\_ITEM VALUES (3, 10);

INSERT INTO SUPPLIER\_ITEM VALUES (3, 11);