CREATE TABLE vaccine (

vaccine\_id SERIAL PRIMARY KEY,

name VARCHAR (400),

company\_name VARCHAR (200),

no\_doses INTEGER,

discription VARCHAR (1000),

availability VARCHAR (1000),

on\_hold VARCHAR (1000)

);

CREATE TABLE patient (

patient\_id SERIAL PRIMARY KEY,

F\_name VARCHAR (200),

mi VARCHAR (500),

l\_name VARCHAR (200),

ssn VARCHAR (500) UNIQUE,

age INTEGER,

gender VARCHAR (500),

race VARCHAR (500),

address VARCHAR (1000),

occupation\_class VARCHAR (500),

medical\_history VARCHAR (500),

phone\_no VARCHAR (10),

password VARCHAR (500),

user\_id VARCHAR (500) UNIQUE ,

eligibility\_status VARCHAR (500)

);

CREATE TABLE nurse (

nurse\_id SERIAL PRIMARY KEY,

F\_name VARCHAR (200),

mi VARCHAR (500),

l\_name VARCHAR (200),

employee\_id VARCHAR (500) UNIQUE,

age INTEGER,

gender VARCHAR (500),

address VARCHAR (1000),

phone\_no VARCHAR (10),

password VARCHAR (500),

user\_id VARCHAR (500) UNIQUE

);

CREATE TABLE timeSlot (

time\_slot\_id SERIAL PRIMARY KEY,

date VARCHAR (500),

start\_time VARCHAR (500),

end\_time VARCHAR (500),

max\_capacity INTEGER

);

CREATE TABLE admin (

password VARCHAR (500),

user\_id VARCHAR (500) UNIQUE

);

INSERT INTO admin(user\_id, password) VALUES('admin', 'admin');

CREATE TABLE vaccinationSchedule (

schedule\_id SERIAL PRIMARY KEY,

patient\_id INTEGER,

time\_slot\_id INTEGER,

vaccine\_id INTEGER,

dose\_number INTEGER,

FOREIGN KEY(patient\_id) REFERENCES patient(patient\_id),

FOREIGN KEY(time\_slot\_id) REFERENCES timeSlot(time\_slot\_id),

FOREIGN KEY(vaccine\_id) REFERENCES vaccine(vaccine\_id)

);

CREATE TABLE nurseTimeSlotSchedule (

assingment\_id SERIAL PRIMARY KEY ,

nurse\_id INTEGER,

time\_slot\_id INTEGER,

FOREIGN KEY(time\_slot\_id) REFERENCES timeSlot(time\_slot\_id),

FOREIGN KEY(nurse\_id) REFERENCES nurse(nurse\_id)

);

CREATE TABLE eligibilty (

patient\_id INTEGER,

Ineligible VARCHAR (500),

FOREIGN KEY(patient\_id) REFERENCES patient(patient\_id)

);

CREATE TABLE vaccineDelivery (

vaccine\_id INTEGER,

delivery\_date VARCHAR (500),

quantity VARCHAR (500),

FOREIGN KEY(vaccine\_id) REFERENCES vaccine(vaccine\_id)

);

CREATE TABLE vaccinationRecord (

record\_id SERIAL PRIMARY KEY,

patient\_id INTEGER,

nurse\_id INTEGER,

time\_slot\_id INTEGER,

vaccine\_id INTEGER,

dose\_no VARCHAR (500),

vaccination\_time VARCHAR (500),

FOREIGN KEY(patient\_id) REFERENCES patient(patient\_id),

FOREIGN KEY(time\_slot\_id) REFERENCES timeSlot(time\_slot\_id),

FOREIGN KEY(vaccine\_id) REFERENCES vaccine(vaccine\_id),

FOREIGN KEY(nurse\_id) REFERENCES nurse(nurse\_id)

);