-- create database for cookbook

Create TABLE Person

(

    firstName VARCHAR(25),

    lastName VARCHAR(25),

    email VARCHAR (50),

    userName VARCHAR (30),

    --Primary Key Constaint

    CONSTRAINT person\_pk

    PRIMARY KEY (userName)

);

Create Table rGuest

(

    userName varchar(30),

    signUpDate date,

    -- Primary Key Constraint

    Constraint rGuest\_pk

    Primary Key (userName),

    -- Foregin Key Constraints

    Constraint rGuest\_person\_fk

    Foreign Key (userName)

    References Person (userName)

);

Create Table Owner

(

    userName varchar(30),

    ChefAccess boolean,

    -- Primary Key

    Constraint owner\_pk

    Primary Key (userName),

    -- Foreign Key

    Constraint owner\_person\_fk

    Foreign Key (userName)

    References Person (userName)

);

Create Table Recipe

(

    userName varchar(30),

    pushlishedDate date,

    recipeName varchar(30),

    --Primary Key

    Constraint recipe\_pk

    Primary Key (recipeName),

    --Foreign Key

    Constraint recipe\_person\_fk

    Foreign Key (userName)

    References Person (userName)

);

Create Table ingreType

(

    ingreType varchar(25),

    -- Primary Key

    Constraint ingreType\_pk

    Primary Key (ingreType)

);

Create Table Ingredient

(

    recipeName varchar(30),

    ingreType varchar(25),

    --Primary Key

    Constraint ingredient\_pk

    Primary Key (ingreType,recipeName),

    --Foreign Key

    Constraint ingredient\_ingreType\_fk

    Foreign Key (ingreType)

    References ingreType (ingreType)

    --Foreign Key 2

    Constraint ingredient\_recipe\_fk

    Foreign Key (recipeName)

    References Recipe (recipeName)

);

Create Table Rank

(

    userName varchar(30),

    recipeName varchar(30),

    rank int,

    --Primary Key

    Constraint rank\_pk

    Primary Key (userName, recipeName, rank),

    --Foreign Key

    Constraint rank\_rGuest\_person\_pk

    Foreign Key (userName)

    References Person(userName),

--Foreign Key 2

    Constraint rank\_recipe\_pk

    Foreign Key (recipeName)

    References Recipe(recipeName)

);

Create Table Jobs

(

    job varchar(35),

    --Primary Key

    Constraint job\_pk

    Primary Key (job)

);

Create Table Administrator

(

    adminAcess boolean,

    job varchar (35),

    userName (30),

    --Primary Key

    Constraint administrator\_pk

    Primary Key (userName),

    --Foreign Key 1

    Constraint administrator\_person\_fk

    Foreign Key (userName)

    References Person (userName),

    --Foregin Key 2

    Constraint administrator\_job\_fk

    Foreign Key (job)

    References Job (job)

);