CREATE TABLE Amenities(subsciptionType VARCHAR(30), equipID INTEGER, isAvailable VARCHAR(4), equipName VARCHAR(30), hasEqupment INTEGER, CONSTRAINT Amenities.pk PRIMARY KEY(subscriptionType, equipID, hasEquipment));

CREATE TABLE Customer(subscriptionPlan VARCHAR(30) , username VARCHAR(30), password VARCHAR(30), membershipID INTEGER, customerName VARCHAR(30), birthDate DATE, membershipStart DATE, memberAt INTEGER, CONSTRAINT Customer.pk PRIMARY KEY(subscriptionPlan, username, password, membershipID, memberAt));

CREATE TABLE Employee(employeeID INTEGER, , isTrainer VARCHAR(4), isManager VARCHAR(4), employeeName VARCHAR(30), startDate DATE, worksAt INTEGER, CONSTRAINT Employee.pk PRIMARY KEY(employeeID, worksAt);

CREATE TABLE Location(worksAt INTEGER REFERENCES Employee, memberAt INTEGER REFERENCES Customer, hasEquipment INTEGER REFERENCES Amenities NOT NULL, amount INTEGER, locationID INTEGER, address TEXT, CONSTRAINT Location.pk PRIMARY KEY(worksAt, memberAt, hasEquipment));

CREATE TABLE hasTrainer(subscriptionPlan VARCHAR(30) REFERENCES Customer, username VARCHAR(30) REFERENCES Customer, password VARCHAR(30) REFERENCES Customer, membershipID INTEGER REFERENCES Customer, employeeID INTEGER REFERENCES Employee, CONSTRAINT hasTrainer.pk PRIMARY KEY(subscriptionPlan, username, password, membershipID, employeeID));

CREATE TABLE hasAccess(subscriptionPlan VARCHAR(30) REFERENCES Customer, username VARCHAR(30) REFERENCES Customer, password VARCHAR(30) REFERENCES Customer, membershipID INTEGER REFERENCES Customer, equipID INTEGER REFERENCES Amenities, subscriptionType VARCHAR(30) REFERENCES Amenities, CONSTRAINT hasAccess.pk PRIMARY KEY(subscriptionType, equipID, subscriptionPlan, username, password, membershipID);