

```
CREATE TABLE Trainer (  
    trainerID SERIAL PRIMARY KEY,  
    fName VARCHAR(255),  
    lName VARCHAR(255),  
    gender CHAR(1),  
    certification VARCHAR(255),  
    securityCheck BOOLEAN,  
    emailAddr VARCHAR(255),  
    phone VARCHAR(255),  
    scheduleTID INTEGER  
);
```

```
CREATE TABLE Availability (  
    availabilityID SERIAL PRIMARY KEY,  
    date DATE,  
    startTime TIME,  
    endTime TIME  
);
```

```
CREATE TABLE TrainerAvailability (  
    trainerID INTEGER,  
    availabilityID INTEGER,  
    PRIMARY KEY (trainerID, availabilityID)  
);
```

```
CREATE TABLE TrainerSchedule (  
    scheduleTID SERIAL PRIMARY KEY,  
    trainerID INTEGER,  
    updatingAdmin INTEGER  
);
```

```
CREATE TABLE TrainerView (  
    profileID INTEGER,  
    trainerID INTEGER,  
    PRIMARY KEY (profileID, trainerID)  
);
```

```
CREATE TABLE TrainerAssigns (  
    trainerID INTEGER,  
    profileID INTEGER,  
    exerciseID INTEGER,  
    PRIMARY KEY (trainerID, profileID)  
);
```

```
CREATE TABLE Member (  
    memberID SERIAL PRIMARY KEY,  
    profileID INTEGER,  
    fName VARCHAR(255),  
    lName VARCHAR(255),  
    gender CHAR(1),  
    emailAddr VARCHAR(255),  
    phone VARCHAR(255),  
    homeNum VARCHAR(255),  
    streetName VARCHAR(255),  
    postalCode VARCHAR(255),  
    dateOfBirth DATE CHECK (dateOfBirth <= CURRENT_DATE - INTERVAL '18 years')  
);
```

```
CREATE TABLE MemberSchedule (  
    scheduleMID SERIAL PRIMARY KEY,  
    memberID INTEGER,  
    updatingAdmin INTEGER  
);
```

```
CREATE TABLE EventsMember (  
    bookingID INTEGER,  
    scheduleMID INTEGER,  
    PRIMARY KEY (bookingID, scheduleMID)  
);
```

```
CREATE TABLE Booking (  
    bookingID SERIAL PRIMARY KEY,  
    room VARCHAR(255),  
    type VARCHAR(255),  
    date DATE,  
    time TIME,  
    status VARCHAR(255),  
    instructor INTEGER,  
    processingAdmin INTEGER,  
    equipmentStatus BOOLEAN,  
    roomStatus BOOLEAN,  
    trainerAvailable BOOLEAN,  
    scheduleTID INTEGER,  
    duration SMALLINT  
);
```

```
CREATE TABLE RequestBooking (  
    bookingID INTEGER,
```

```
        memberID INTEGER,  
        PRIMARY KEY (bookingID, memberID)  
    );
```

```
CREATE TABLE Equipment (  
    equipmentID SERIAL PRIMARY KEY,  
    name VARCHAR(255),  
    location VARCHAR(255),  
    monitoringAdmin INTEGER,  
    lastMonitored DATE,  
    score SMALLINT CHECK (score BETWEEN 1 AND 10)  
);
```

```
CREATE TABLE Admin (  
    adminID SERIAL PRIMARY KEY,  
    fName VARCHAR(255),  
    lName VARCHAR(255),  
    emailAddr VARCHAR(255),  
    phone VARCHAR(255)  
);
```

```
CREATE TABLE Payment (  
    paymentID SERIAL PRIMARY KEY,  
    type VARCHAR(255),  
    dateIssued DATE,  
    dateBilled DATE,  
    amount MONEY,  
    processingAdmin INTEGER,  
    payee INTEGER  
);
```

```
CREATE TABLE Profile (  
    profileID SERIAL PRIMARY KEY,  
    memberID INTEGER,  
    status VARCHAR(255),  
    weight INTEGER,  
    bloodPressure VARCHAR(255),  
    bodyFat INTEGER  
);
```

```
CREATE TABLE Goal (  
    goalID SERIAL PRIMARY KEY,  
    targetWeight INTEGER,  
    targetPace TIME,
```

```
        targetBodyFat INTEGER
    );
```

```
CREATE TABLE Achievements (
    achievID SERIAL PRIMARY KEY,
    goalID INTEGER
);
```

```
CREATE TABLE ProfileAchievements (
    profileID INTEGER,
    achievID INTEGER,
    PRIMARY KEY (profileID, achievID)
);
```

```
CREATE TABLE ProfileGoals (
    profileID INTEGER,
    goalID INTEGER,
    PRIMARY KEY (profileID, goalID)
);
```

```
CREATE TABLE ProfileRoutines (
    profileID INTEGER,
    exerciseID INTEGER,
    PRIMARY KEY (profileID, exerciseID)
);
```

```
CREATE TABLE Exercise(
    exerciseID SERIAL PRIMARY KEY,
    name VARCHAR(255),
    description TEXT
);
```

```
-- ALTER TABLE statements remain unchanged.
```