Brad Burkett

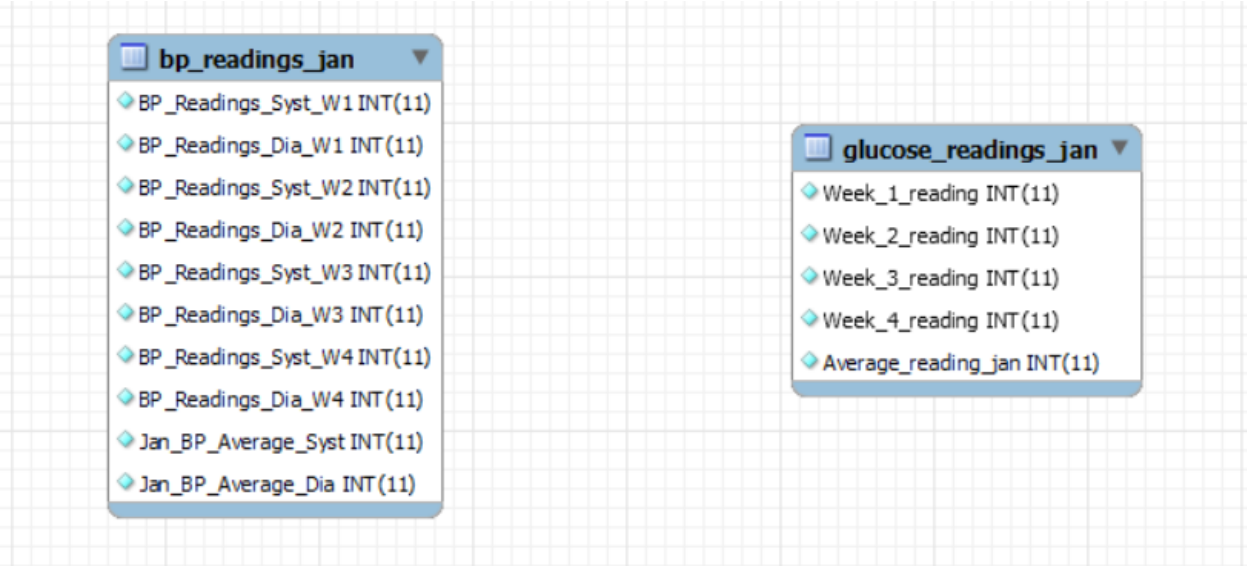
SWDV 691: Week 3

Database Design Document

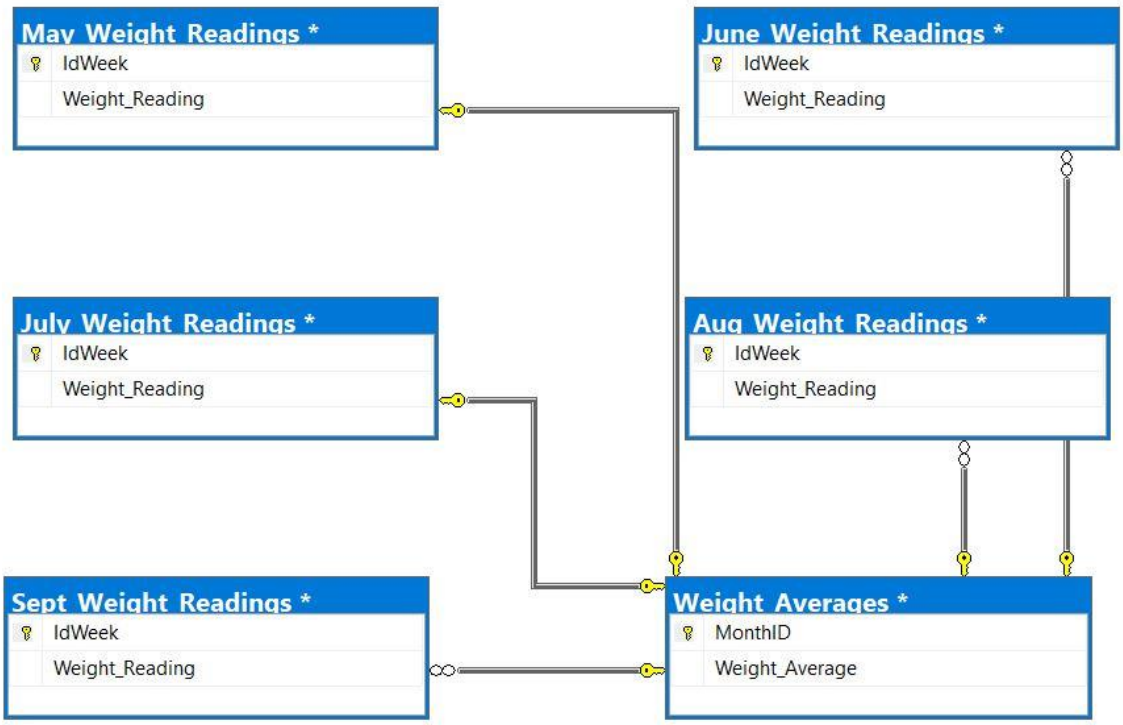
Database: Health Tracker

A traditional relational database is what I have chosen for the Health Tracker application. The data will be highly structured and regular, with well-defined relationships. I will be using an SQL database inside of Microsoft azure. I broke down the tables into what I believe are easier to deal with.

Here is an example of two tables before.



Here's an example of how the tables for the tests will look like now.




```
-- Create Weight tables
CREATE TABLE May_Weight_Readings
(
   IdWeek int IDENTITY (1,1) PRIMARY KEY,
   Weight_Reading int
)

-- Create Blood Pressure tables
CREATE TABLE May_BP_Readings
(
   IdWeek int IDENTITY (1,1) PRIMARY KEY,
   BP_Readings_Syst int, BP_Readings_Dia int
)
```

```
-- Create Glucose tables
CREATE TABLE May_Glucose_Readings
(
   IdWeek int IDENTITY (1,1) PRIMARY KEY,
   Glucose_Reading int
)
```