

# Simple Relational Database Design

## Data Modeling (DB Design Blue-Print)

We will create a db that initially will have one table that will hold data regarding employee case tracking. This table will hold simple but crucial employee performance data. This is the initial goal of our db to simply have a placeholder for this type of data for review.

## Conceptual Design

Case Type	char (50)
Case ID (Primary Key)	int(15)
Date	datetime
Case Start Time	datetimeoffset
Case End Time	datetimeoffset
Case Description	text
Case Status	char (10)

## SQL Server Data Types Used

- [char\(n\)](#) | Fixed width character string
- [int\(size\)](#) | A medium integer. Signed range is from -2147483648 to 2147483647. Unsigned range is from 0 to 4294967295. The size parameter specifies the maximum display width (which is 255)
- [datetime](#) | From January 1, 1753 to December 31, 9999 with an accuracy of 3.33 milliseconds
- [datetimeoffset](#) | The same as datetime2 with the addition of a time zone offset
- [text](#) | Variable width character string