Week 3 Assignment

***Week 3 assignment is due end of day on Sunday February 15th**. You may work in a small group on the assignment! Users that choose to work in groups will be expected to make a short (~5 minute) presentation about their database in the 17-February meet up.*

> In the assignment submission link, you should provide the URL to your github repository where you've posted your .SQL code. I should be able to run your provided SQL code without errors in my environment.

You're asked to design a database that includes tables that model one-to-many and many-to-any relationships. You should create the database and tables, populate the tables with a small amount of sample data, and write at least two join statements, one for the tables in the one-to-many relationship and one for the tables in the many-to-many relationship.

You should find this week's hands on lab and provided solution very helpful.

You are encouraged to keep your work "bare bones" – four tables in total with a small number of columns and rows in each table will be sufficient!

As graduate data science students, I expect that you will have *many* ideas for what you want to implement. But if you're drawing a complete blank, you could model for example relationships between users, groups, and files in a database that keeps information about file-level security. For example: One user can belong to many groups; one group and have many users; file permissions are granted to groups, where each file is owned by one group, and one group can own many files…

We'll look together at some of the most interesting student solutions in our meet up on Tuesday February 17th.