## SWDV 220 project 2: Security, Tables, Indexes

**Project Due TUESDAY, September 20th, 11:59pm**

### Introduction

In this assignment, write SQL statements to create tables, indexes, & constraints for the db designed in Project 1.

### What to Do

1. Create a new database called disk\_inventoryXX (or some variation using your initials instead of XX) and write the SQL statements to be executed against the new database. Save the SQL code for each query into 1 sql document called disk\_inventoryXX.sql. I plan to run your code as-is and expect no errors. TEST YOUR SCRIPT!
   1. Document each SQL query – what it is supposed to do – include a mod log
   2. Create new tables for your design in Project 1 (**resolve any design issues beforehand** – see instructor with any design questions / concerns)
      1. Use descriptive/appropriate table names & definitions
      2. Use descriptive/appropriate column names, data types & definitions
      3. Create appropriate primary keys for each table
      4. Create appropriate constraints on the foreign keys in each table
      5. Create a new user, diskUserXX (or some variation using your initials instead of XX), using a secure password and grant read permissions to all tables in your database to diskUserXX
      6. Include logic / drop statements

### Submitting work

* Post a .sql file with the scripts to perform all of the requirements in BB under Project 2.

### Grading

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| Points | Assignment | Requirements |
| 80 | MSSQL | * Table names/definitions are appropriate * Datatypes are appropriate * Descriptive column names, properly decomposed, and other appropriate attributes * Each table has appropriate PKs / unique keys * Each table has appropriate FK constraints * Non-sa user created with appropriate permissions & drop logic * Script has relevant documentation & modification log |
| 20 | MSSQL | Design considerations/issues from Project 1 resolved appropriately |
| 20 | MSSQL | Script runs without error and results are correct; appropriate logic / drop statements exist |
| 20 | MSSQL | SQL document is neat and easy to use; stored in an appropriate repository. |
| 10 | MSSQL | All directions followed |