# CPSC 6576

# PROJECT

Design and implement a database on a topic of your choice with **SQL Server 2019**. After you determine a base of your project and collect information about the project, complete your database through the following phases:

1. Create a Database.
2. Design the data model using Database Diagrams.
3. Design tables, perform **functional dependency analysis** on the original tables and then create all tables in Third Normal Form. **You must document this important step.**
4. Implement **key constraint, entity integrity constraint, and referential integrity constraint** on your tables, such as primary keys, foreign keys, check constraints, and not null constraints. For the relationships, please add foreign key constraints. **You must document this important step.**
5. Create Views.
6. Create stored procedures, functions, and triggers.
7. Document steps (1) to (6).

**Schedule and Grade Weights:**

1. Two-page Project Abstract (10%) Due : March 31, 2022
2. Project Presentation (10%): May 5, 2022
3. Files and Documentation (SQL files 40%, document 40%) Due: May 5, 2022

* Zip file (containing your entire database .sql file and document .docx) should be submitted via Blackboard project dropbox.