# ITEC 3200 Database Semester Project

# IMPLEMENTATION

Take your database design from deliverable 2 and implement the database using MySQL, as follows:

1. Name the database **LastName1\_LastName2\_Final Project** (fill in all team members’ last names.)
2. Create the tables beginning with the **base** tables (those without any foreign keys.) Next add the tables that have foreign keys. Use the SQL Create statement to create all tables correctly (make sure all primary and foreign keys are created correctly).
3. Using Insert statement, add data to the tables. Make sure you have enough records as specified to your team (5-10 for teams with 2 members and 10-15 for teams with 3 members). You may add more data, if you prefer.

**II. QUERIES**

Create queries using **SQL** to retrieve different information from your database. You must have the following types of queries. Name each query Query1, Query2, etc. Each query should have appropriate column headings and all of the column heading should show (it should not be “cut off”). These are the types of queries:  
  
**Query1**: A query that contains a compound condition (AND, OR)   
 BETWEEN is NOT a compound condition.  
**Query2**: A query where the results are sorted by some value  
**Query3**: A query that contains one of the built-in functions, such as SUM, AVG, etc.

**Query4:** A query that uses 2 or more levels of subqueries.  
**Query5**: A query that requires the join of two or more tables

**Query6**: A query that has a computed field

**Query7**: A query that groups results according to a specific column   
  
For each query, ***write in plain English*** what the query is supposed to do in the Word document. For example (from a PETS database):

Query1: All pets weighing more than 10 pounds with Search and Rescue Training.

Query2: Price of pet food sorted from lowest to highest price.

Query3: A count of the total number of dogs that an owner has.

Query4: The name of each medication is taken by each pet.

Etc…

Also, include a **screenshot** of the result of each of your queries in MySQL Workbench.

**Save all the queries as LastName1\_LastName2\_Queries.sql. Submit the .sql file along with the Word document.**

**TURN IN:** Update your Word document based on feedback received and any changes made. Submit the Word document along with the .sql file on D2L.

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|  | **Checklist of pages (in order):** |
|  | Cover page |
|  | Executive Summary |
|  | Data Model and description |
|  | Database Design and ER Schema |
|  | Query Implementations in plain English |
|  | Screen shots of each query results |
|  | SQL Statements and Queries in .sql file as one or three separate attachment(s) |

**That’s it! Congratulations! You have completed the ITEC 3200 Semester Project.**