

Database Implementation & Java Application of the Final Project

Database Implementation:

Implement the design you submitted previously for the database system using your Database Management System. Keep a copy of your sql code in a separate file for submission.

Connect to your Database from a Java Program:

Create a Java Program to connect to your database. The program should allow users to insert items into the database, retrieve items from your database, update items in the database and delete items from the database. Make it user-friendly and look professional. Inserting into the database should allow the user to enter values of their choice for the attributes. Take screenshots of it working (you will need to submit the output too).

Checklist:

1. You must have an SQL file which shows SQL statements that you wrote to create tables, insert into them, etc.
2. You must have approximately 4 or more tables created with primary keys for each table and foreign keys as appropriate.
3. Two of those 4 tables must have at least 10 rows in them.
4. You must have at least one view.
5. You must have at least one Java file to interact with the database.
6. You will need screenshots of the output of your Java file working.

Submission via D2L Assignment Folder: Please submit the following in a zip file via the folder titled **Final Project Implementation** in the D2L Assignment tab:

1. Screenshots of any tables/rows/views in the database.
2. Copy of all SQL statements which created / inserted them.
3. Modified Project Summary – A couple of paragraphs describing the project.
4. Java Files (Make sure I can open it and run it with jGRASP) – You should have at least an insert, a select, an update and a delete operation of a table being done in the Java file – and it must make sense in a way a user would really use it!
5. Screenshots of the Java application working.