

**CS331- Project Assignment**  
**(Task 3: Data Preparation and Design modification)**  
**Due: Saturday Nov 21st, 2020 @ 11:59 Pm**

**Introduction:**

Now and after you completed the project design, you are ready to start the implementation phase. The first task of the implementation is to provide some data samples for testing purposes and to confirm that your assumptions in the design are correctly mapped.

**Objectives:**

1. Data Preparation for implementation testing and debugging
2. Test design assumption
3. Opportunity to modify design schema accordingly

**Tasks:**

1. **Data Preparation:** Load some initial data (dummy data) into the database tables that you created during Task 2 of the project (Analysis and Design Phase) of the assignment.
  - a. Please provide at least seven rows in each table. The data needs to maintain data integrity constraints and a valid state for the DB.
  - b. Using MySQL, please write a script with insert statements to load all the data into your schema tables. The insert statement should be in the correct order that will not break the integrity constraints.
  - c. For each table, export the inserted data into a separate .csv file, and that it easily be reloaded during debugging.
2. **Design adjustment if needed:**

As you work on creating your testing data sample, you might have cases that the initial submitted design does not capture it correctly, or it is missing from the logical schema. Now is the chance to modify your design model and your logical schema to show the correct system requirements and the team design assumptions to work as expected.

Please, apply any adjustments to your EER and your Logical schema if needed.

**What to submit**

1. The row data loading script (.sql file)
2. The final .csv files for all tables data and that the team will use for the application testing in the next steps
3. Modified EER model and Modified Schema script if any changes made after the initial submission
4. A team reflection to share how the team managed this task together, upload as .doc, or .pdf file

**Grading:**

Here are the evaluation criteria:

1. All requested files are submitted.
2. Insert statements are in the correct order for the data dependency.
3. The table's data are uploaded correctly to the database schema, and it should maintain data integrity constraints and provide a valid data state to your system.
4. The inserted data works with the modified schema if there is a new one that is submitted by the team. If no modification, the initial schema shared during the last submission is going to be used for data insertion testing instead.