Phase 3 Project Planning Suggestions
Fall 2019

Here are a few thoughts on determining the way forward on Phase 3 of the Course Project:

#1 **Review the Initial Data:** Look for specific data type requirements in addition to any mentioned in the project and update your physical schema implementation plans.

#2 **Develop your (Relational and) Physical Schema Strategy:** You may use ours or choose your own. Either way, you're responsible for the ultimate results of your system. Select your "order of implementation" to make your life easier.

#3 **Implement the MySQL Database with Tables, Primary Keys and Foreign Keys:** Just the basics for now - other things like non-null constraints are OK, but I recommend leaving the more complicated logical constraints for later.

#4 **Develop your Data Upload Strategy:** Similar to implementing the database tables, your uploading of the data should be driven by the foreign key parent-child relationships: upload data to parent tables first, then to the child tables.

#5 **Upload the Actual Initial Data into your MySQL Database:** You have a few different options: (1) Use some of MySQL's Import Data capabilities; (2) Use Excel to help generate SQL "insert into" statements; and/or (3) Type it in by hand. Option (3) is possible but not recommended, since you might want a more repeatable method of uploading and resetting the data later in the development process.

#6 **Implement the MySQL Stored Procedures that Satisfy the (Basic) Phase III Requirements:** You may select an order of implementation that seems easiest for you. For example, you might want to focus on some of the simpler select or insert queries first, then move on to the more complicated ones with filtering, etc. Having data in your database will make it easier to test your queries to determine if you're on the right track...

#7 **Implement the other MySQL Capabilities that Satisfy the (Advanced/Full) Phase III Requirements:** More specifically, go back and determine how to modify/alter your system to handle some of the more complicated logical constraints.

#8 **Test Your MySQL Database to Ensure That Your System is Solid:** We might provide some auto-grading capability assistance here, but it is ultimately your responsibility to ensure that your system works properly in accordance with the assignment instructions and requirements.