IST659 Project Guidelines

# Overview

A **Team Project** should demonstrate your ability to work in a team to design and implement a functional system with a database, **based on what you have learned throughout the course**. It is an instrument to measure what you have learned, now what you already know. It is expected you will use the tools and techniques taught as part of the course to complete the project.

## Guidelines:

* The project is 60 points (20% of your grade)
* Work in self-assembled teams of 2-3 students.
* Devise your own database to design and implement. The project idea must be pre-approved prior to beginning work.
* There are 2 examples of project ideas in the same folder where you got this document.

# Required artifacts for submission:

These can be in separate files, or in one large document with a table of contents and clearly identified sections, or both.

1. Document with team name, group members and which project you will work on. If the project is your own idea, a requirements document must be submitted and approved.
2. Data analysis of the facts listing entities, attributes, and relationships in the data model. Use the Excel spreadsheet template provided
3. Conceptual Data Model Diagram.
4. Logical Data Model Diagram.
5. Identification of your external data model and data logic.
6. Basic layout of all application screens / interactions.
7. Detailed diagram for each screen used in the application.
8. SQL Up/Down script to implement the internal model with initial data.
9. SQL Up/Down Script to load / migrate in existing data (if appropriate).
10. SQL Up/Down script of data logic for the external data model.
11. Implementation of the application itself.
12. A team log recording individual and group contributions to the project including when and by whom.
13. A slide deck of your presentation.
14. A Video recording of your team presentation and application demo.
15. A Video reflection of what you learned from the experience, what you would do better if you had the time, etc. Like what you turn in for each homework problem set.

# Grading Rubric

Your project is evaluated based on the following criteria:

1. Purpose of database – does it do something of business value? Does it align with the course? Was it cleared by your instructor?
2. Quality of artifacts (slides, code, video, docs, etc.)
3. Completeness of project – does it work? You might not be able to build out full functionality but the more you complete the better your grade.
4. What was learned from the experience?
5. Does the work in the project clearly demonstrate what the team has learned pertinent to the course material?
6. True team effort? Was everyone involved in the project? Was the work divided so that each member contributed to all facets of the project?