IST 659 - Group Project Guidelines

Complete a Group Project, which demonstrates your ability to work in a team to design and implement a functional system with a database, based on what you have learned in the course.

Guidelines:

- Work in self-assembled teams of 2-3 students.
- Devise your own database to design and implement.
    - Project idea must be pre-approved prior to beginning work.

Required components for submission

1. Select your group members. Groups should consist of 2-3 students per group. No working alone and no groups of 4 or more.

1. Each group should elect or nominate a Group Leader or Project Manager.
2. Each group must create a **project proposal** that includes your team's name (be creative), group members names, and what you would like to do for a project. See the details below. This proposal must be submitted to Professor Rieks and approved prior to your team starting any work.
3. Only one project proposal per team is required to be submitted. This will be submitted by the group leader or Project Manager.
4. Each team member must submit a very short document stating their name, the name of the team they are on, and the name of the group leader or team manager.

Group leader / project manager submit the project proposal via Blackboard no later than 10/1/2021, 11:59pm and each team member completes #4 above by 10/1/2021, 11:59pm.

Once your project is approved, you and your team will work on the following deliverables:

- A one-to-two-page document that includes what your project does, why you selected it, and the business problem it will address or resolve.
- Data analysis of the facts listing entities, attributes, and relationships in the data model.
- Conceptual Data Model Diagram
- Logical Data Model Diagram
- Identification of your external data model and data logic.
- Basic layout of all application screens. This means you need to think about data input, how, by whom, etc.
- Diagram of each screen used in the application.
- SQL Up/Down script to implement the internal model with initial data.
- SQL Up/Down Script to load / migrate in existing data.
- SQL Up/Down script of data logic for the external data model
- A working implementation of the application (can be used during demonstration).
- A team log recording individual and group contributions to the project including when and by whom.
- A slide deck of your presentation. Presentation will occur on the last day of class. Allow for 10-15 minutes.