**GROUP PROJECT SPECIFICATIONS**

**Instructions**

The project must focus on developing a database application using any DBMS for the backend (the database) and any application program for the frontend (such as MS Visual Basic, MS Access, Delphi). The details for the project are as follows:

## Group Member Tasks

* Documentation
* Database Design (Entity-Relationship diagram)
* Front-end Programming (coding)
* Back-end Development (creation of normalized tables on DBMS)
* Presentation

**Application**

* Scope/Quality of Project
* Program Functionality (workability, user-friendliness, etc)
* SQL Usage (Insert, Delete, Select, Update)
* Form Interfaces

**General Documentation Requirements:**

* Use of a presentable folder
* **Title page** – with the course number, course name, title of project, group member names, and date centered vertically and horizontally on the page
* **Table of contents page**
* 1” margin (top, bottom, left, right)

## Documentation Details

* Project title/theme
* Names and roles of each group member
* Description of project
* Conceptual model of the project (Entity-Relationship Diagram)
* Normalized tables created using the backend DBMS
* Application user manual
* SQL statements used in the project
* Form interfaces, source code, and other optional documentation such as reports

**Presentation**

* Organization and General Project Elements
  + Group Member Introductions and Program Description
  + Entity-Relationship Diagram
  + Database Elements (Tables, Backend DBMS, Frontend Application)
* Technical Project Details
  + Program Functionality
  + SQL Implementation

**Project Rubric**

**100 points**

**Project Grading Criteria**

* **Application – 40 Points**
  + Scope/Quality of Project – 10 pts
  + Program Functionality (Workability, User-friendliness, etc) – 10 pts
  + SQL Usage (Insert, Delete, Select, Update) – 15 pts
  + Form Interfaces – 5 pts
* **Documentation – 40 Points**
  + Organization – 3 pts
  + Project Title & Group Member Functions – 2 pts
  + Project Description – 5 pts
  + Conceptual Model (Entity-Relationship Diagram) – 10 pts
  + Normalized Tables – 5 pts
  + User Manual – 5 pts
  + SQL Statements – 5 pts
  + Form Interfaces & Source Code – 5 pts
* **Presentation – 20 Points**
  + Organization and General Project Elements – 10 pts
    - Group Member Introductions and Program Description
    - Entity-Relationship Diagram
    - Database Elements (Tables, Backend DBMS, Frontend Application)
  + Technical Project Details – 10 pts
    - Program Functionality
    - SQL Implementation