Database Project

This document explains and provides guidelines for the project that students need to work on throughout the semester.

Objectives: By the end of the project, you should:

- Have the ability to identify business problems and propose solutions.
- Have the ability to use information technology (Database) to solve business problems.
- Understand how IT fits into business strategies and supports business processes and decisions.
- Apply system analysis and design skills for data gathering and user requirements, and then design the proposed solution.
- Apply the database concepts, such as draw entity relationships, create tables, create queries, and create reports, in a real-world project.
- Improve collaboration and communication skills by working in teams to solve a business problem and present the solution to the class.

Project Description:

You are required to design a database to solve a business problem. The designed database should demonstrate a solution to the problem of your choice that you are trying to solve. You can get the data for your project from the open sources on the internet (such as Kaggle) or you can create your own data. The main purpose is to design a working database and demonstrate the functions that it is supposed to do.

You should follow the steps on the table below to guide your project so you can finish the project on time. Before you start designing the database, you need to have a solid and clear idea of the problem that you are trying to solve. Therefore, make sure to get the instructor's approval before staring designing the database. By the end of the project, you will submit three files: the database file, the PowerPoint, and the report of the project.

Project Steps (Milestones):

On each date on the table, you should have finished the assigned task. The final presentations will be on 5/3.

Date	Task
3/1	Propose the problem and solution
3/8	Finalize the problem and solution
3/29	Analyzing and Collecting user requirements
4/5	Draw the ERD and Identify the relationships
4/12	Create the tables, insert the data, create relations and queries
4/19	Create data reports and forms
5/3	Final presentations

The Report:

You will need to submit a report that explains your solution and the problem that you are trying to solve. The report should be between 5-7 pages. The report should include the following:

1- Introduction
2- The problem
3- The solution
4- The outcomes (screenshots of your tables, ERD, queries, data reports, forms, etc.)
5- The challenges that you face during the work, the possible improvements for the current work

Project Evaluation:

The project will be evaluated based on the following criteria:

- Database design 40%
- The quality of the report 30%
- The presentation 20%
- The presentation skills and body languages 10%