

CS 355 – Database Systems

Habib University

Fall 2020

Project

Abstract

This document has been prepared for the students of CS355-Database Systems for Fall 2020. We have presented a few ideas, with consistent level of challenge, which you can use to develop your project proposal for this course. This project is worth 25 points.

The rule of the game

You will learn lots of database related concepts and skills throughout this course. However, *Application is the key*. To apply some of the concepts we have been learning in this course, and to develop some collaboration and teamwork skills which are the key ingredients of carrying out database projects. The class will be divided into project teams, with 3 to 4 students. Each team will elect a project leader, come up with a project proposal, a rough schedule of tasks, and complete the project by the end of this semester. The project group will then make a presentation to the whole class at the end of the semester.

All the members of a team are expected to make a reasonable contribution, and the team leader will make a report about what each team member has done, which will be taken into consideration when a grade is assigned.

Grade Distribution:

- **Project Proposal (carries 10% of overall project marks):** You have already submitted initial proposal before midterm exam. Now, you need to submit the updated project proposal (a paragraph) and group composition by **30th Oct**. It'll be shortly reviewed, and approved for implementation.
- **ERD (carries 15% of overall project marks):** You need to submit initial ERD by **11th Nov** and final updated ERD till in week 14 during interim demo.

| ERD RUBRIC | | | | |
|---|---------------------------|-----------------|-------------------------------|------------------------------------|
| Initial ERD (carries 5% of overall ERD grade) | Entities(01%) | Attributes(01%) | Primary and foreign keys(01%) | Relationship and cardinality (02%) |
| Final ERD (carries 10% of overall ERD grade) | Normalized upto 3NF (07%) | | Correctness (03%) | |

- **Interim Demo(carries 30% of overall project marks):** You will be having interim demo of your project in week 14 explaining how you're implementing the project. Each group member must be present during the demo. You have to submit Final ERD during demo.

| INTERIM DEMO RUBRIC | |
|---|-----------|
| Required functionality (30% of project scope defined in proposal) | 10 |
| Look & Feel + All Screens | 15 |
| Q/A | 5 |
| TOTAL MARKS | 30 |

- **Final presentation (carries 45% of overall project marks):** Final evaluation will be done in the last week i.e. (30Nov-4Dec). Detailed rubric for final evaluation is given below.

| FINAL PRESENTATION RUBRIC | |
|--|-----------|
| Required functionality (100% of project scope defined in proposal) | 20 |
| Data Model | 5 |
| User Management | 5 |
| Sample Data in DB | 5 |
| Use of Stored procedure and views | 5 |
| Q/A | 5 |
| TOTAL MARKS | 45 |