CS 355 – Database Systems
Habib University
Fall 2021

About Course Project

Abstract

This document has been prepared for the students of CS355-Database Systems for Fall 2021. 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*. The core objective of Database course project is to apply core concepts of relational databases in a real-life scenario and to develop some collaboration and teamwork skills.

The class will be divided into project teams each containing 3-4 students. All members of a team are expected to make reasonable contributions. One member will be appointed as a team leader and he will make a report on the participation of each team member and their role and contribution. This will be taken into consideration when the grades are assigned.

Grade Distribution:

The project carries 25% weight, which is further distributed as follows:

- *Project Proposal (10% of overall project marks*): You are required to submit the names of your group members and the business scenario for which you will build a database system. This submission will be due by **20th Sep, 2021**. The submission will be shortly reviewed and approved for the implementation.

- *ERD (15% of overall project marks):* You need to submit the initial ERD by *4th Oct, 2021* and final updated ERD in *Week 12* during the interim demo.

ERD RUBRIC				
Initial ERD (carries 5% of overall ERD grade)	Entities(01%)	Attributes(01%)	Primary and foreign keys (01%)	Relationships and cardinality (02%)
Final ERD (carries 10% of overall ERD grade)	Normalization (07%)		Correctness (03%)	

- *Interim Demo (30% of overall project marks):* You will have an interim demo of your project in **Week 12 (Nov 15 – Nov 19)** in which you will demonstrate your progress so far on your project. You should have your complete GUI prototype by this time. Moreover, some (at least 2-3) of your GUI forms must have database connectivity. You will also submit your final ERD during this demo. This is important for each group member to be present during the demo.

INTERIM DEMO RUBRIC	
Required functionality (a few screens having database connectivity)	10
Look & Feel + All Screens and their connectivity	15
Q/A	5
TOTAL MARKS	**30**

- *Final presentation (45% of overall project marks):* The final project evaluation will happen in the last week of classes. i.e. **Nov 29 – Dec 3 & 4**. The 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**