CS 203: DATABASE SYSTEMS
Project Requirement Description
To be submitted on slate
ER on 9th November 2020,
Full Project on December 20th, 2020
Total Marks: 10

1) DESIGN PHASE **:**

a) **Proposal**:
    i)   Introduction and brief description.
    ii)   What functions should the system perform? That is, inventory control, billing, ordering, etc.
    iii)   Front-End and Back-End Technologies

b) Normalization
    i)   Apply the Normalization Process on the identified entity types.
    ii)   Show all the functional dependencies and perform normalization up to BCNF
    iii)   Show every step performed.

c) **Entity Relationship Design**:
    i)   Describe your entities.. You must have enough entities to insure your project is not a "toy" system. GENERAL RULE: you should have about 5 entities and 7 or 8 tables.
    ii)   Draw the E--R Diagram for your database.

2) IMPLEMENTATION PHASE:

Implement your tables in technology mentioned in proposal. You must have tables and views defined. You must implement at least one query for each user. Your set of queries must also include queries that represent

    a) Joins
    b) Usage of advanced SQL features (i.e.All concepts we covered in Lab)
    c) Built-in functions
    d) Input from the user

    You must also have

    e) insert
    f) update
    g) delete option
    h) Transaction Handling

You must have at least one program/subprogram for each user you define.

Submit the complete report (word file) in one single zip file (containing, all required information with screen shots of ER (prepared on software) on slate before deadline expiration.

ONLY group leader submit the project. Inside the report, all the member names and their numbers must be clearly mentioned.