

Lab – 7: DB_Project_Assignment_4-ERD

Lab – 7 24-Sept 2024	DB_Project_Assignment_4-ERD
IT615 Database Management System, Autumn'2024; Instructor: minal_bhise@daiict	

Objectives: Lab-7 I) Improve ER Diagram.

Submission: Each student team needs to upload **single.pdf** files, which will contain the following things for the specific case study assigned to your group.

- 1) ER Diagram V-2.
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Lab-7. Develop V-2 of ER Diagram for your project.

I. Improve the ER Diagram.

For each below-given step, add details in **Version 2 of ER Diagram (ERD)**.

i. Identify Entity types.

1. Add information like weak entity set/s, the identifier for weak entity set/s to **ERD**.
2. Identify the type of relationships using natural associations appearing in problem description (Hierarchy, Aggregation, Recursive, Simple Association Link).

ii. Identify Relationship types.

1. Analyze diagram using various design choices, namely: Entity vs. Attribute, Entity vs. Relationships, Binary vs. Ternary Relationships, Aggregation vs. Ternary Relationship.
2. Identify total participation & improve **ERD Version 2**.

iii. Analyze ERD for any other missing information.

1. Add missing Entities, Attributes & Relations.
2. Iterate the diagram, make corresponding **changes** to the **SRS** so that in the end, all the documents (SRS, ERD) look consistent (*you may keep the intermediate versions of SRS & ERD while iterating in a separate file for your own reference-Do not submit).
3. Produce the final draft of ERD (**Version 2**).

Submission File naming: Lab7 submission must contain a modified description, Noun Analysis Tables1,2,3 & ERD V1,2.