

# Introduction

This is a group work for a project of Star Cineplex – Movie Theater Management System. This project is based on the database management system application on Oracle. This project is focused on group work. We have to maintain several rules of database management system. According to the project rules we're going to prepare Case Study, ER Diagrams, Normalization, Table creation, Data insertion in database tables, Writing queries, Making views and Conclusion.

Case Study refers to make a discussion by that we can draw ER Diagram. ER Diagram contains Entities, Attributes, Relationships. In the case study the requirements are given the idea about the entities and the attributes. Finally, it's a written description about the whole database management system.

Diagram is the combination of all of the Entities and attributes and relationships between the tables of the database. It's prepared according to the information found in the case study. The Entity names are the table names Presented as rectangle. All of the attributes are presented as ellipse and connected by a straight line. Relationship between two entities are represented by Diamond shape. In the final application project, table is created according to the Diagrams.

Normalization is done to minimize the redundancy from a relation or set of relations. The most important feature of the normalization is it divides larger table into smaller table to keep it simple. Simplicity removes the errors and difficulties in the database. It eliminates difficulties from DML anomalies.

Final task is to create a database according to all of the above described case study. Then we have insert information in the tables. Here, it needs the database queries to manipulate data in the database by inserting, updating and deleting data from the database. Last of all, we may need to write some database queries randomly. And then end the project by writing a conclusion.