

Milestone 1 - Project Proposal, Conceptual Design: ER Diagram

Project Description

This is a system for theatre management that includes the use of an SQL database. The intended use case for this project is for a theatre chain to manage its locations and its movies on the customer side of the business. This project will allow theater owners to keep track of where the theatre is located, which films, film schedules, the auditoriums where the films are playing, the capacity of the auditoriums, customer subscriptions (including theatre SCENE points (or something analogous)) and theatre guest purchases.

Theatre guests and employees will have different access privileges to the database. Guests will be able to buy tickets, buy food, and view movie showings. Using the database employees will be able to create new movie showings, create memberships, view tickets, and view guest information.

Database Specification

Keeping track of the films playing, the film schedules, the auditorium capacities and the customer information, will all require use of a database and a way to manage that database. A feature of this project is the customer will be able to have a subscription which will include benefits in the form of discounts and points. In order to keep track of these points and benefits, a database will be required.

Application Platform

For this project, which we intend to be in the form of a web portal, the platform will then require a web scripting language like PHP as well as design languages like HTML and CSS, as well as JavaScript and SQL for the database and we will utilize the Oracle database.

Additional Notes

- The theatre company owns at least 1 theatre, each theatre has at least 1 auditorium, each auditorium has at least 1 seat.
- Auditoriums show movies at certain times.
- There are normal tickets and gold tickets.
- There are normal seats and recliner seats.
- Members of the theatre company's rewards program get discounts on gold tickets.
- A gold ticket gives the theatre guest access to one free food item and a recliner seat.

