

MULTIPLEX MANAGEMENT SYSTEM

The proposed project will be used in maintaining the data of all the movies & ticket for the multiplex. It keeps the track of the movies so that the customer can get the details of the movies in respect of ticket booking, booking time of the movies & the upcoming movies. On the availability of the seats, ticket can be booked in advanced. As there are three screens the customers have multiple choice of watching the movies. It also keeps the track of seats book in advance & current status. They can also get details of the ticket price.

This multiplex management system keeps track of all the operations or transactions, bookings and changes which occur in a multiplex environment it is linked to.

It includes entities :

- 1) Theatre – which stores the details about the location of the theatre and it is given a particular id.

It includes 2)Screen , 3)Employees ,
4)ConcessionStand and 5)ShowsAdvertisement.

Screen runs 6)Shows which projects 7)Movies and is booked for 8)Seats which happen to be a part of Screen.

Seats are of two types : 9)Silver_seat and 10)Gold_seat and for these seats and shows 11)Customer books tickets which are also of two types : 12)Silverticket booked for silver_seat and 13)Goldticket booked for gold_seat.

Customer books their ticket via 14)Website or 15)Box-Office.

These two booking platforms get their data from Shows in a particular theatre for a particular movie.

Screen also has a 16)Projection Room which is operated by 17)Projectionist which belongs to a 'is A' relationship under Employee along with 18)Manager.

19)TicketRevenue is table which stores revenue data for a movie which is earned by tickets.

20)ConcessionDetails stores data of concession pricing in a particular theatre.

21)Concession stores data of booked/ordered concession by a customer in a theatre.

22)AdvertisementDetails stores data for advertisement pricing per show run in that theatre.

23)AdsShown is a table with data of which ad is shown in which show of that theatre.