Movie Tickets Booking Platform

Team Members

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Type of Project : Information System

A platform where users can view movies available and book tickets online

Description

We'll have 3 types of users
Every feature is geographical location specific

Audience(actual user)

- Can register/login, can view the website without signing in
- User can view movies available and upcoming movies and their details
- Can search for movies applying filters like Date, Language, Genre, Location, Theatre and Mode(3D/2D)
- Can view theatres airing the selected movie
- Can view movies aired by a theatre
- Can book tickets online - can choose seats, date
- Only signed in users can book the tickets
- Can rate the viewed movies and visited theatres, specify interest in upcoming movies
- Can subscribe for notification upon tickets released for an upcoming movie
- User Profile:
    - Basic Information about the user
    - Can view history of movies booked
    - Can set preferences like language, genres interested in
- Gets Suggestions based on preferences and history, high rated movies

Theatres

- Able to add information about movies airing in the theatre
- Has the privilege to change the seats availability booked via bookings on the spot
- Can get analytics
  - Live vs Online Bookings
  - Can view percentage of audience for a particular movie over various theatres
  - Can view choices of audience watching movies in the theatre like language/Genre
  - Can view the ratings of movies aired and theatre

Admin/Application manager

- Can register theatres
- Only person who can add movies and their information, and artist profiles
- Can book tickets for a particular user
- Can get analytics on Live vs Online Bookings

Database Concepts

- Schema design via E-R model
- Transaction Management
- Triggers
- Data Analysis
- Graph DB

Tentative Timeline

- Data analysis for Optimised ER model, detailed description for features with technicality - March 18th
- Design Doc - March 30th
- Test Plan including load testing - March 30th
- Implementation - April 15 th
- Debugging, Testing and simulation - April 18th