

PROJECT PROPOSAL

Group 1 - Team members

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Introduction

Project name: Lumiere Cinema

Slogan: “Where light meets story”

Idea: Cinema remains one of the most popular leisure activities among the younger generation. While most cinema websites offer a general experience designed for all age groups, our goal is to create a platform that specifically appeals to teenagers and young adults. With a visually striking design and user-friendly features, users will be able to effortlessly browse and purchase tickets for the latest movies. By analyzing several popular cinema websites, we identified key limitations that we aim to address in the development of our own platform.

Description: Lumiere Cinema website is a modern, intuitive web platform for booking movie tickets at Lumiere cinemas. The website provides a seamless experience for managing currently showing movies, cinema locations, and real-time seat availability. It supports both online and offline ticket purchasing, enabling users to conveniently book tickets from home, while also equipping cinema cashiers with tools to assist walk-in customers efficiently.

Details

Target users: Teenagers and young adults, 13 years old and above.

Main user roles: Administrator, Branch manager, Cashier, Ticket validator, Customer.

Platform environment: Website

Development tools:

- Front-end: HTML, Tailwind CSS, React JS
- Back-end: Node.js, Express.js
- Database: MongoDB, Mongoose

Key Features

Account features:

- Register account and login/logout: Create accounts to manage users.
- Manage account: Edit user data, name, birthdays, phone number, email.
- Change password: Edit user password.

Customer features:

- Search and suggest movie: AI-based search and conversation with AI agent to select an appropriate movie.
- View movie: Shows movie trailer, descriptions, screening time per branch, and other movie details.
- View movie list: Shows a list of movies based on selected filters (upcoming, now showing movies, locations, cinemas)
- Buy movie ticket and snack combos: After choosing the movie, cinema branch, screening time, seats, snack combos customers will input payment details to purchase.
- Interactions: After watching the movie, customers can rate the movie.
- History: Shows movies that customers have watched.
- Wishlist: The personalized wishlist can be edited by the customer , adding and removing movies from it.

Employee features:

- Manage showing movies: Create, edit and delete now showing movies. Movie details include movie names, trailer, show time.
- Manage screening schedules: In each cinema branch, now showing movies will be scheduled in chosen cinemas at a certain time. These details can be edited or deleted, taking into account the current database.
- Manage promotions: Create, edit and delete promotions, which can be used by customers or only cashiers.
- Manage permission: Allocating account with the corresponding permission.
- Validate movie ticket: From ticket ID, search ticket in database and validate the ticket.
- View revenue report: Provide a financial summary of all purchases.

Advanced features:

- Loyalty program: Accumulate spending to level up membership tiers, and the higher the membership tier, the higher the points accumulation rate from the total bill. The points can be used to redeem vouchers.
- Connect account with social media account: Connect with social media account APIs to optimize the customer account registration process.

System user roles

	Admin	Branch manager	Cashier	Customer	Ticket validator
<i>Register account</i>		✓		✓	
<i>Buy movie ticket</i>			✓	✓	
<i>Use special offers</i>			✓		
<i>Schedule screening</i>		✓			
<i>Access revenue</i>		✓			
<i>Validate ticket</i>					✓
<i>Manage permission</i>	✓				
<i>Manage movies</i>		✓			
<i>Interactions</i>				✓	
<i>Manage accounts</i>	✓	✓		✓	