

Project Design Phase
Proposed Solution Template

Date	16 April 2025
Team ID	SWTID1743606103
Project Name	iMovies - Online Movie Ticket Booking System
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1. 1	Problem Statement (Problem to be solved)	Customers often face issues booking movie tickets due to non-intuitive interfaces, limited seat visibility, lack of personalization, and high platform charges. Theater owners also struggle with centralized and real-time booking management.
2. 2	Idea / Solution Description	iMovies is a full-stack web platform that enables users to register, browse categorized movie listings, select shows, and book seats with real-time availability. Admins can manage theaters, shows, and bookings via a dedicated dashboard. The platform offers a smooth, ad-free user experience with personalized recommendations and secure login.
3. 3	Novelty / Uniqueness	<ul style="list-style-type: none">- Separate login portals for users and admins- Real-time seat availability tracking- Personalized movie recommendations based on user favorites- Simple and ad-supported model without booking commissions- Intuitive and aesthetic UI built with React and SCSS
4. 4	Social Impact / Customer Satisfaction	iMovies makes movie booking accessible and user-friendly, especially for regions with fewer tech-savvy platforms. Users enjoy transparency, smooth navigation, and trust due to JWT-based security. Admins benefit from streamlined operations and centralized control.

5. 5	Business Model (Revenue Model)	The platform earns through advertisements displayed on the site and potential collaborations with theaters for premium listing/placement. There are no extra charges for ticket bookings , making it attractive to users.
6. 6	Scalability of the Solution	The platform uses a scalable MERN stack architecture. It can be expanded to support: <ul style="list-style-type: none"> - Multiple cities and theaters - Mobile apps (React Native) - Integration with payment gateways - Enhanced analytics for admins and more features like reviews and notifications