Project Design Phase II

Proposed Solution Template

Date	10/04/2025
Team ID	SWTID1743003805
Project Name	iMovies - Movie Ticket Booking Application
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1	Problem Statement (Problem to be solved)	The current process of booking movie tickets often involves long queues, lack of seat availability insights, and difficulty in accessing real-time updates. Many users face inconvenience when trying to find showtimes, select preferred seats, or receive booking confirmations promptly.
2	Idea / Solution description	Our solution is a web-based and mobile-responsive movie ticket booking system that enables users to view available movies, select showtimes, choose seats, and securely pay for tickets online. Admins and theater managers will have dedicated dashboards to manage schedules, monitor bookings, and generate reports.
3	Novelty / Uniqueness	The system offers a dynamic seat selection interface with real-time seat availability updates, multi-theater integration, and user analytics. It also includes QR-based ticket validation for contactless entry.

4	Social Impact / Customer Satisfaction	Users will enjoy a seamless, hassle-free experience that saves time and reduces the frustration associated with traditional ticket booking. Theaters benefit from efficient management and reduced manual workload.
5	Business Model (Revenue Model)	The platform can generate revenue through a small convenience fee on each transaction, partnerships with theaters, and promotional ad placements for upcoming films.
6	Scalability of the Solution	The system is designed using modular architecture and cloud integration, making it scalable to support additional theaters, increased user traffic, and future feature expansion.