**Project Design Phase**

**Proposed Solution Template**

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| Date | 15 February 2025 |
| Team ID | SWTID1744365286 |
| Project Name | Movie Ticket Booking System |
| Maximum Marks | 2 Marks |

**Proposed Solution:**

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Customers often struggle with slow, unreliable, or non-intuitive movie booking platforms that fail to offer real-time seat tracking, secure payments, or a personalized experience. |
|  | Idea / Solution description | iMovies is a smart, user-friendly movie ticket booking platform that allows users to browse movies, select showtimes, and book seats with real-time availability. The app integrates secure payments, booking history, and user preferences using Express.js (backend), MongoDB (database), and a responsive frontend. |
|  | Novelty / Uniqueness | Real-time seat availability, seamless payment integration, intuitive interface, and a customizable user experience make iMovies stand out. Personalized movie recommendations and loyalty rewards further enhance engagement. |
|  | Social Impact / Customer Satisfaction | Reduces physical queues and booking stress, especially for elderly or busy users. Promotes digital convenience, enhances user satisfaction, and supports safer, contactless ticketing. |
|  | Business Model (Revenue Model) | iMovies can generate revenue through service charges, in-app promotions, theater partnerships, and optional premium features (e.g., early access to bookings, cashback offers). |
|  | Scalability of the Solution | The solution is highly scalable, with a modular architecture built on Express.js and MongoDB. It can support regional theater integrations, international language support, and user expansion through cloud hosting. |