

**Project Design Phase**  
**Solution Architecture**

Date	15 February 2025
Team ID	SWTID1742930170
Project Name	I-Movies : Movie Ticket Booking System

**Solution Architecture:**

Solution architecture for **I-Movies: Movie Booking System** is a multifaceted process that connects business needs with effective technology solutions. Its primary goals are to:

- Identify the most suitable technological approach to streamline and enhance the movie booking experience.
- Outline the structure, behavior, characteristics, and technical design of the I-Movies platform to all stakeholders.
- Define core features such as movie listings, seat selection, ticket booking, payment processing, and user management, along with development phases and system requirements.
- Provide detailed specifications that guide how the I-Movies solution is planned, implemented, managed, and delivered.

**Solution Architecture Diagram:**

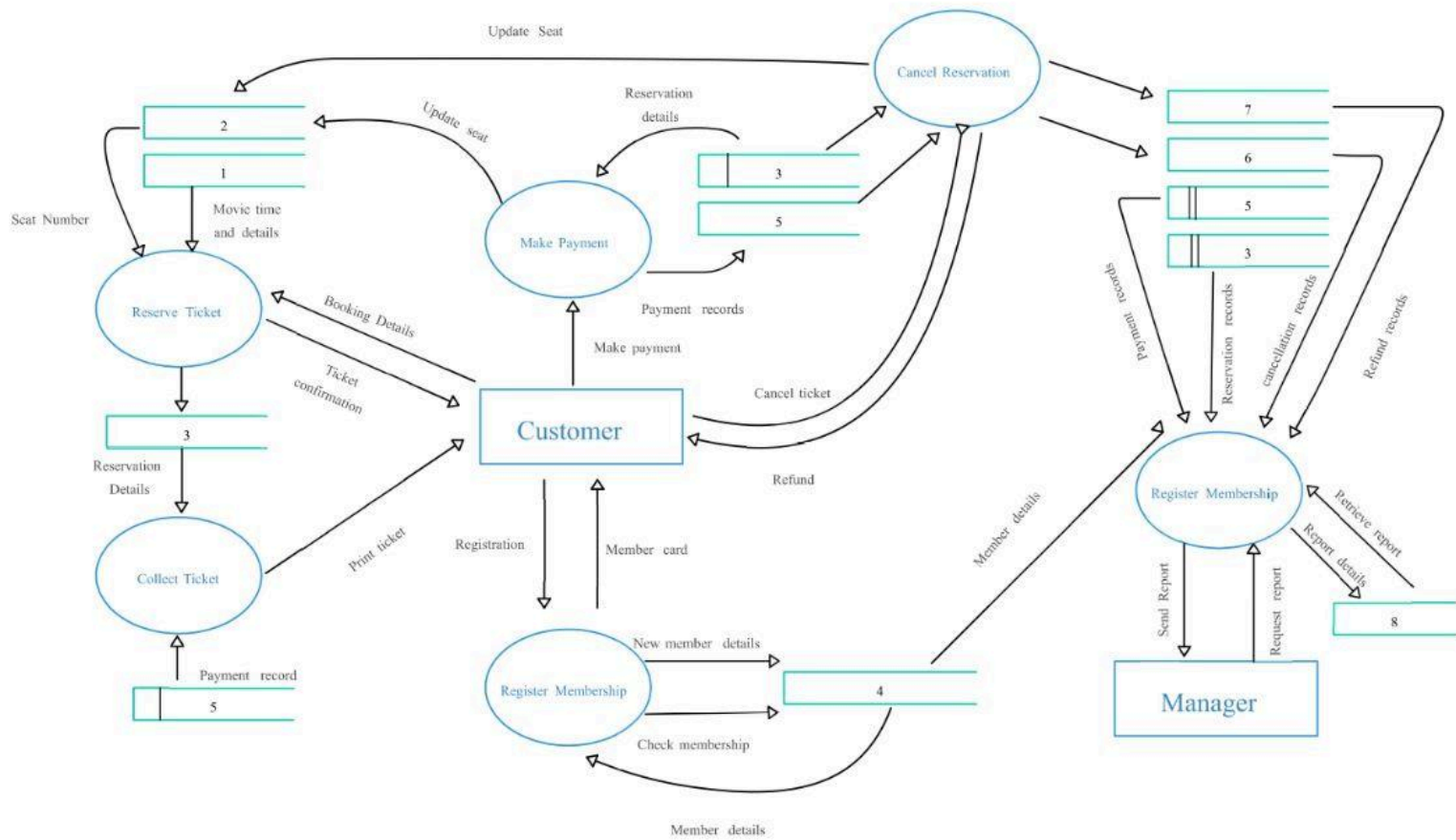


Figure 1: Architecture and data flow for a movie booking system