Project Design Phase-II
Data Flow Diagram & User Stories
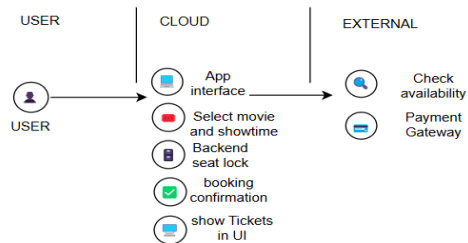
Date	07 April 2025
Team ID	SWTID1742930170
Project Name	I-Movies : Movie Ticket Booking System

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.
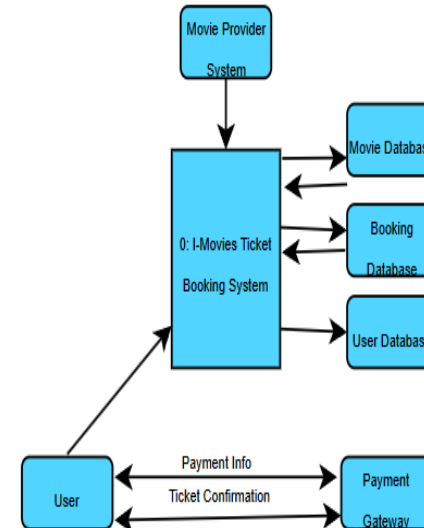
Example:

Example: DFD Level 0 (Industry Standard)

FLOW

Steps:

1. User logs into the I-Movies application using secure credentials.

2. User browses movies and selects a showtime and number of tickets.

3. Selected data is passed to the application for availability check via APIs.

4. Backend validates ticket availability and locks the seats.

5. Payment gateway processes the payment (via external service).

6. Confirmation is sent to the user with ticket details.

7. Ticket and booking data is visualized in the UI, and confirmation is downloadable.

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can register & access the dashboard with Gmail login	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can successfully log in and access my dashboard	High	Sprint-1
	Dashboard	USN-6	As a user, I can view available movies and showtimes in my dashboard.	I can see movies, showtimes, and language/format filters	High	Sprint-2
	Booking	USN-7	As a user, I can select seats and book tickets for a movie.	I can see seat layout, select seats, and proceed to payment	High	Sprint-2
	Payment	USN-8	As a user, I can pay for my movie tickets using UPI, card, or wallet.	I receive confirmation and transaction receipt	High	Sprint-2
	Booking History	USN-9	As a user, I can view my past bookings and ticket details.	I can view a list of all my bookings with dates and ticket access	Medium	Sprint-3
Customer (Web user)	Login & Dashboard	USN-10	As a web user, I can log in and access movies and showtimes through the browser.	I can successfully log in via web and see dashboard	High	Sprint-2
	Booking	USN-11	As a web user, I can book tickets using the web application.	I can select a movie, time, seats, and complete payment	High	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer Care Executive	View Complaints	USN-12	As a care executive, I can view and manage customer complaints and feedback.	I can see submitted complaints and mark them as resolved	Medium	Sprint-3
	Assist Booking Issues	USN-13	As a care executive, I can help users resolve booking/payment-related issues.	I can fetch booking details and initiate refunds if necessary	Medium	Sprint-3
Administrator	User Management	USN-14	As an admin, I can manage (add/edit/remove) users and roles in the system.	I can view user list, assign roles, and disable accounts	High	Sprint-2
	Movie Schedule Management	USN-15	As an admin, I can upload and schedule new movies across different locations and screens.	I can see all scheduled movies, edit them, and publish	High	Sprint-2
	Reports & Analytics	USN-16	As an admin, I can generate reports on sales, bookings, and user activity.	I can export data in PDF/Excel and visualize charts	Medium	Sprint-3