

Project Design Phase-II

Data Flow Diagram & User Stories

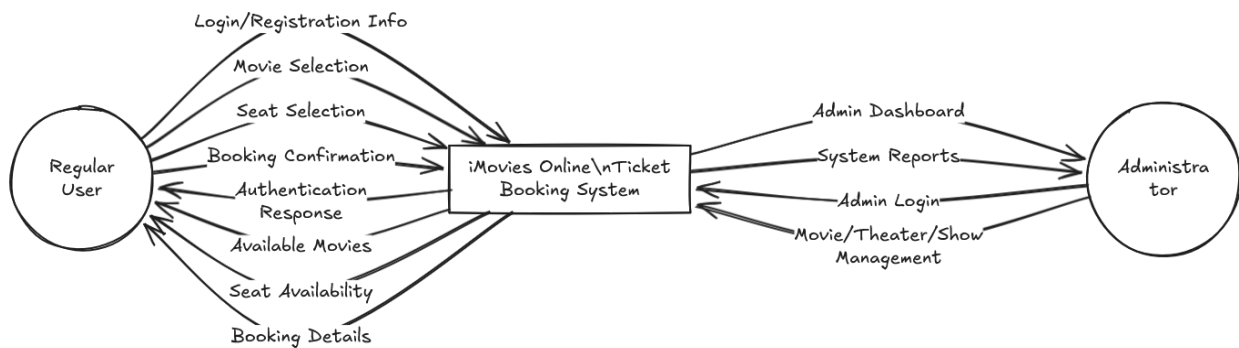
Date	April 12, 2025
Team ID	SWTID1743003805
Project Name	iMovies - Online Movie Ticket Booking System
Maximum Marks	4 Marks

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.

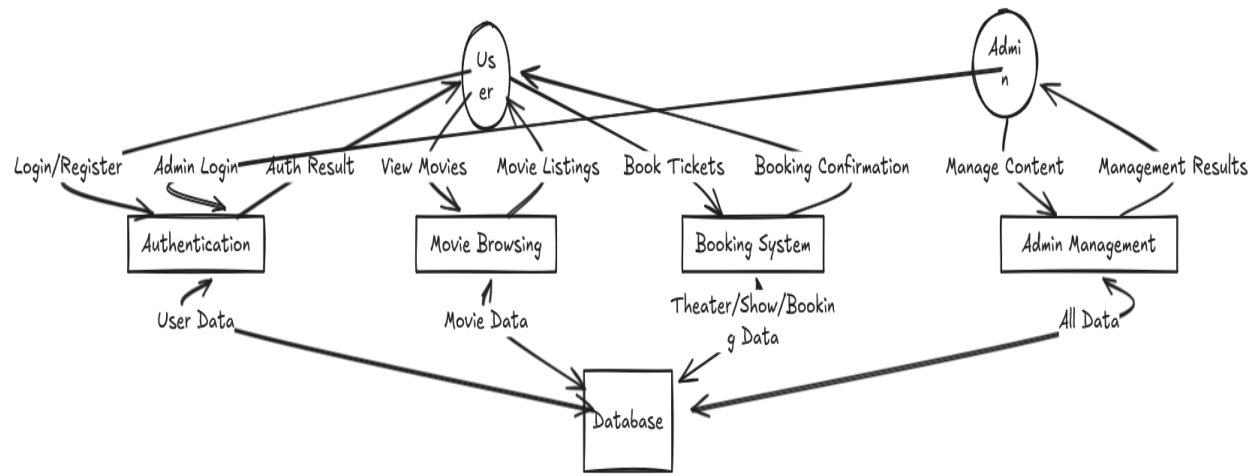
Level 0 DFD (Context Diagram):

The Level 0 DFD represents the entire iMovies system as a single process, showing the external entities and the data flows between them and the system.



Level 1 DFD:

The Level 1 DFD breaks down the system into major processes, showing how data moves between them and external entities.



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Regular User	Registration	USN-1	As a user, I can register for the application by entering my username, email, and password.	I can successfully create an account and receive confirmation	High	Sprint-1
		USN-2	As a user, I can log into the application using my credentials.	I can access the application features after logging in	High	Sprint-1
	Movie Browsing	USN-3	As a user, I can view all currently available movies.	I can see a list of movies with basic details	High	Sprint-1
		USN-4	As a user, I can view	I can see description,	Medium	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			detailed information about a specific movie.	runtime, genre, and other details		
		USN-5	As a user, I can save movies to my favorites list.	I can add/remove movies from favorites and view my saved list	Low	Sprint-2
	Booking	USN-6	As a user, I can select a movie showtime at a specific theater.	I can choose from available showtimes	High	Sprint-2
		USN-7	As a user, I can select seats for a movie showing.	I can see available seats and select my preferred seats	High	Sprint-2
		USN-8	As a user, I can review my booking details before confirming.	I can see a summary of my selected movie, showtime, seats and price	Medium	Sprint-2
		USN-9	As a user, I can complete my booking process.	I receive a booking confirmation with booking ID	High	Sprint-2
Administrator	Authentication	ADM-1	As an admin, I can log into the admin	I can access admin-specific features and	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			panel with admin credentials.	dashboards		
	Movie Management	ADM-2	As an admin, I can add new movies to the system.	I can enter movie details and make it available for booking	High	Sprint-2
		ADM-3	As an admin, I can update existing movie information .	I can modify movie details and see changes reflected	Medium	Sprint-2
		ADM-4	As an admin, I can remove movies from the system.	I can delete movies that are no longer showing	Medium	Sprint-2
	Theater Management	ADM-5	As an admin, I can add new theaters to the system.	I can enter theater details including seating layout	High	Sprint-3
		ADM-6	As an admin, I can update theater information .	I can modify theater details and seating arrangements	Medium	Sprint-3
	Show Management	ADM-7	As an admin, I can create new shows linking	I can define showtimes for specific movies at specific	High	Sprint-3

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			movies and theaters.	theaters		
		ADM-8	As an admin, I can modify or cancel existing shows.	I can update or remove scheduled shows as needed	Medium	Sprint-3
	Booking Overview	ADM-9	As an admin, I can view all bookings in the system.	I can see booking details for monitoring purposes	Low	Sprint-4
		ADM-10	As an admin, I can generate reports on bookings and sales.	I can view statistical data about system usage	Low	Sprint-4