Project Design Phase-II
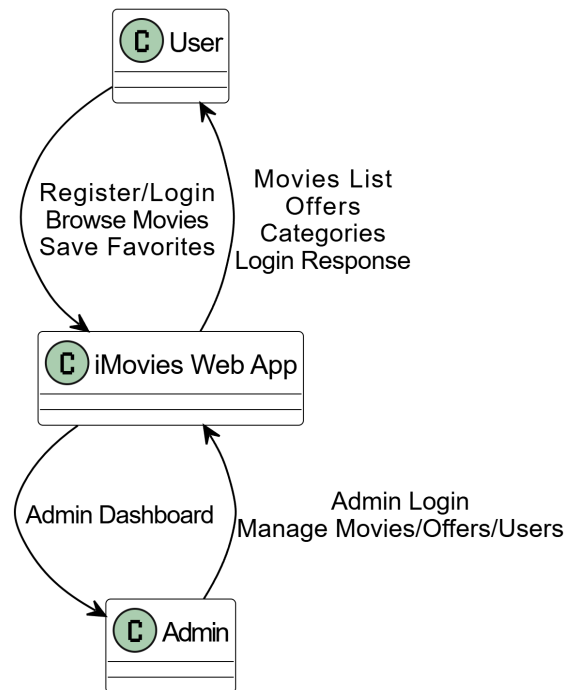# Data Flow Diagram & User Stories

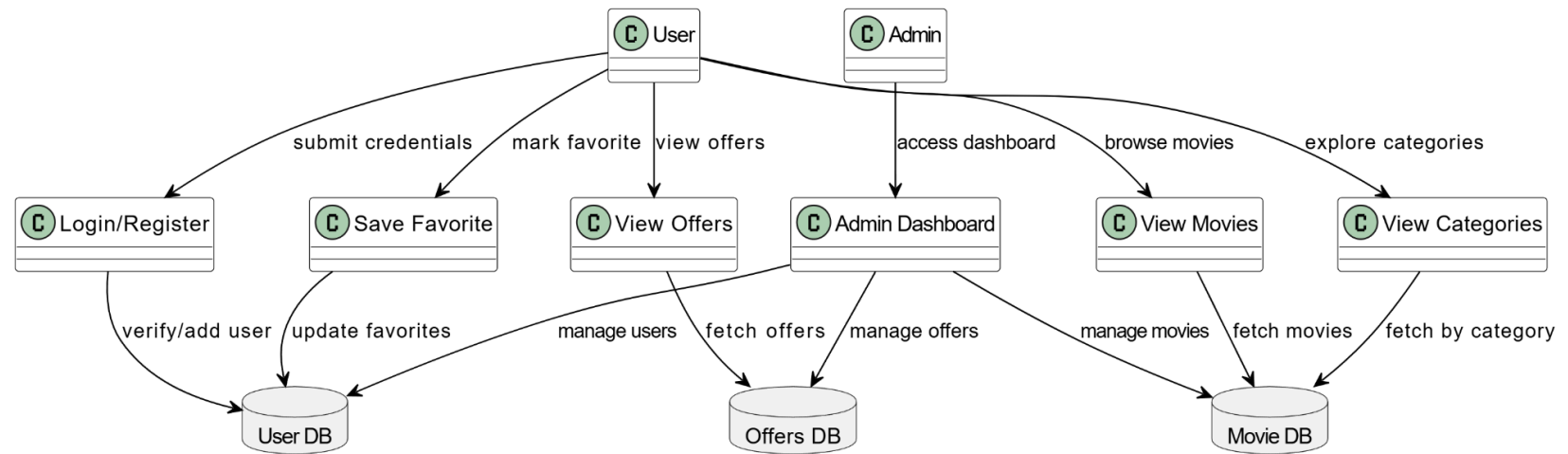| Date	13 April 2025
Team ID	SWTID1743509015
Project Name	iMovies – Online Movie Ticket Booking System
Maximum Marks	4 Marks

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.
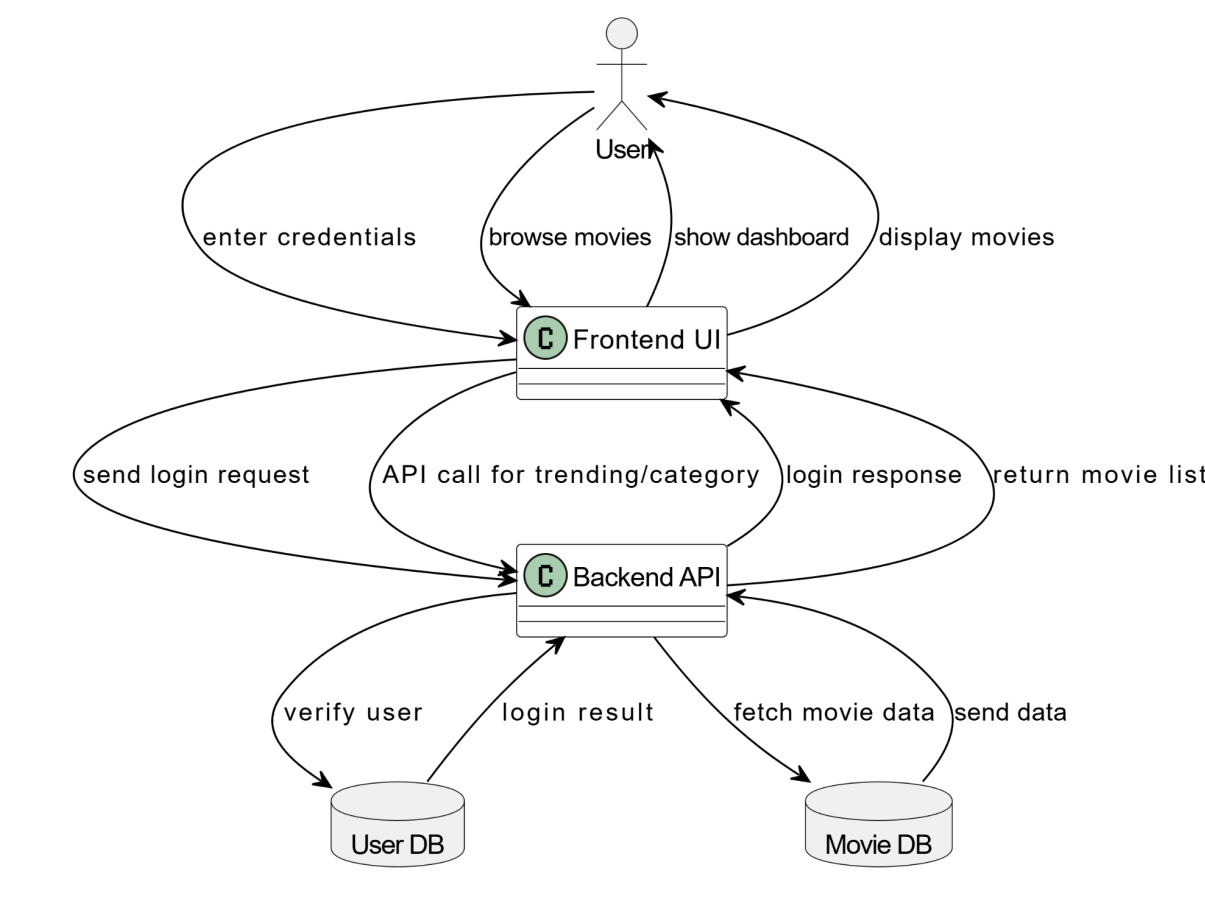
Level 0 Data Flow Diagram (good for explaining the project at a glance)

Level 1 Data Flow Diagram (shows major processes like Login, Browse, Admin, etc.)

Level 2 Data Flow Diagram (shows internal interactions for specific processes.)

User

enter credentials · browse movies · show dashboard · display movies

Frontend UI

send login request · API call for trending/category · login response · return movie list

Backend API

verify user · login result · fetch movie data · send data

User DB

Movie DB

			User Stories			
User Type	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Acceptance Criteria**	**Priority**	**Release**
Customer	Registration	USW-1	As a user, I can register using my email and password.	I can access my dashboard after successful registration.	High	Sprint-1
		USW-2	As a user, I receive a confirmation email upon registration.	I received the email and can confirm my registration.	High	Sprint-1
	Login	USW-3	As a user, I can log in using email and password.	I am redirected to the dashboard after login.	High	Sprint-1
	Browse Movies	USW-4	As a user, I can view trending movies on the homepage.	I see a carousel of trending movies.	High	Sprint-1
	Offers	USW-6	As a user, I can view offers available on the platform.	I see the latest movie offers or discounts.	Medium	Sprint-2
	Favorites	USW-7	As a user, I can mark movies as favorites and view them later.	I can see a list of favorite movies in my dashboard.	High	Sprint-2
Administrator	Admin Authentication	USA-1	As an admin, I can log in with my admin credentials.	I can access the admin dashboard securely.	High	Sprint-1
	Movie Management	USA-2	As an admin, I can add, edit, or delete movie listings.	Changes reflect in user-facing movie listings.	High	Sprint-2
	User Management	USA-3	As an admin, I can view or delete user accounts.	User table visible with control options.	Medium	Sprint-2
	Offer Management	USA-4	As an admin, I can manage promotional offers.	Offers reflect on the user homepage once updated.	Medium	Sprint-3