Project Design Phase-II
Data Flow Diagram & User Stories

Date	01 November 2025
Team ID	NM2025TMID01639
Project Name	Optimizing User, Group and Role Management with Access Control and Workflows
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.

In the project "Optimizing User, Group and Role Management with Access Control and Workflows", Data Flow Diagrams (DFs) illustrate how user access requests are processed within the system. The DFD shows the interaction between users, the ServiceNow platform, access control systems, and workflow engines to validate permissions and automate task management processes. The system ensures proper role-based access and automated approvals for project tasks.
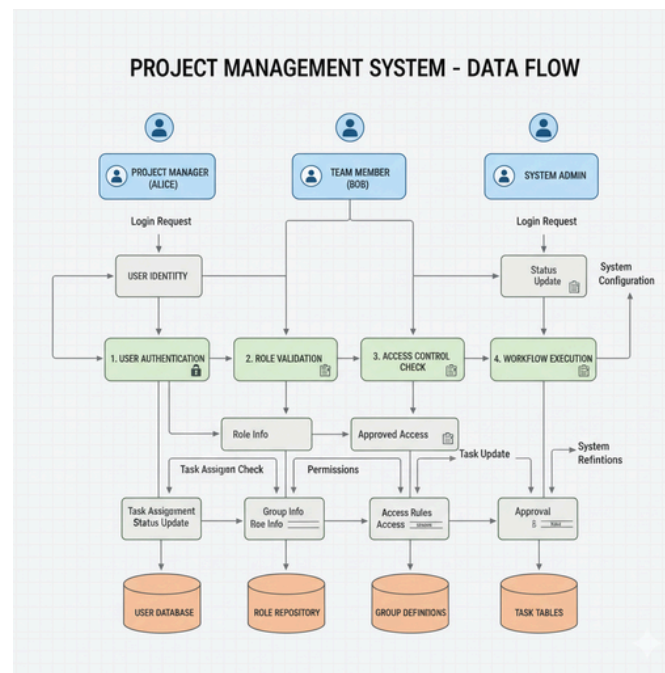
User Stories:

User stories define what different users need from the system in simple, goal-focused language. In this project, they help ensure proper user management, access controls, and automated workflows for efficient project management.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
System Administrator	User Management	USN-1	As an admin, I want to create users with specific roles (Project Manager and Team Member).	Users should be created with correct role assignments and group memberships.	High	Sprint-1
System (Auto-validation)	Access Control	USN-2	As a system, I must validate user permissions before granting access to applications and data.	Access should be granted based on role assignments and ACL rules.	High	Sprint-1
Project Manager	Workflow Approval	USN-3	As a project manager, I want to receive approval requests for completed tasks from team members.	System should automatically route completed tasks for my approval.	High	Sprint-1