Project Design Phase-II
Data Flow Diagram & User Stories

Date	02 NOVEMBER 2025
Team ID	NM2025TMID06605
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) represents how data moves within the system, showing inputs, processes, and outputs in a clear and logical way. It helps visualize how information is managed, transformed, and stored across different modules.

In the project "Optimizing User, Group, and Role Management with Access Control and Workflows", the DFD illustrates how users, groups, and roles are created, modified, and assigned. It also demonstrates how access permissions are controlled and workflows are triggered based on user roles.

Example:
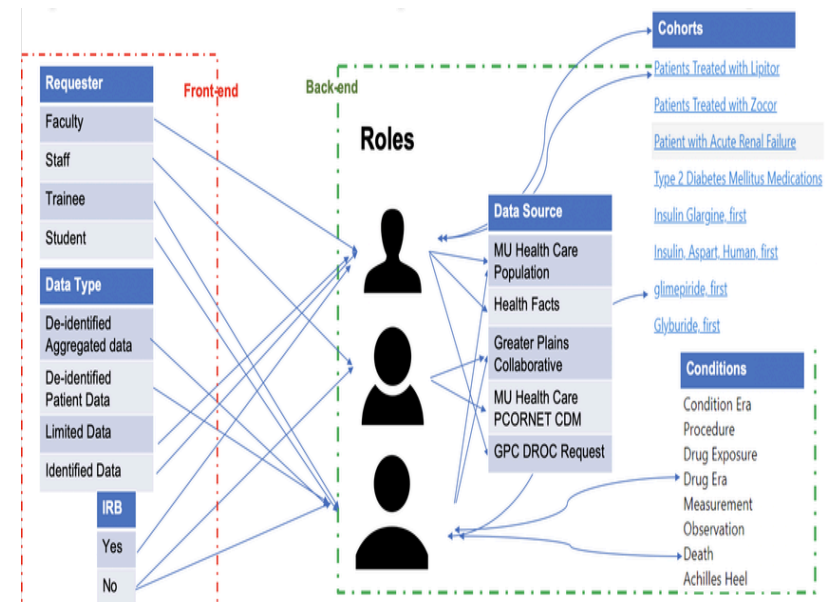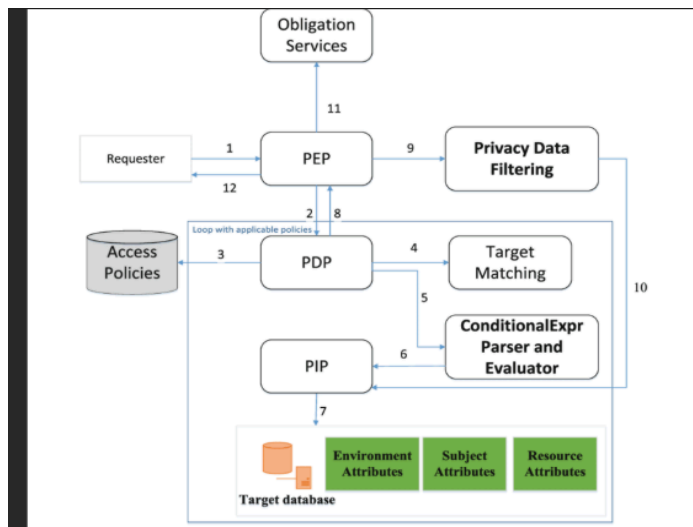
User Stories:

User stories define what different users need from the system in simple, goal-focused language. In this project, they help ensure the system blocks user deletion only when necessary, protecting incident data.

User Type	Functional Requiremen t (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Administrator	User and role Managemen t	USN-1	As an admin, I want to create and manage users, groups, and roles effectively.	The system should allow adding, editing, and deleting users, and assigning them to groups and roles.	High	Sprint-1
System (Auto-validation)	Access control	USN-2	As a system, I must validate the access rights of each user before allowing workflow execution.	Workflows should only be triggered if the user has the required permission	High	Sprint-1
Project manager	workflow	USN-3	As a project manager, I want workflows to be automatically assigned based on user roles.	Workflows should trigger automatically once a user with a specific role is added to a project..	Medium	Sprint-2