Project Design Phase-II
Data Flow Diagram & User Stories

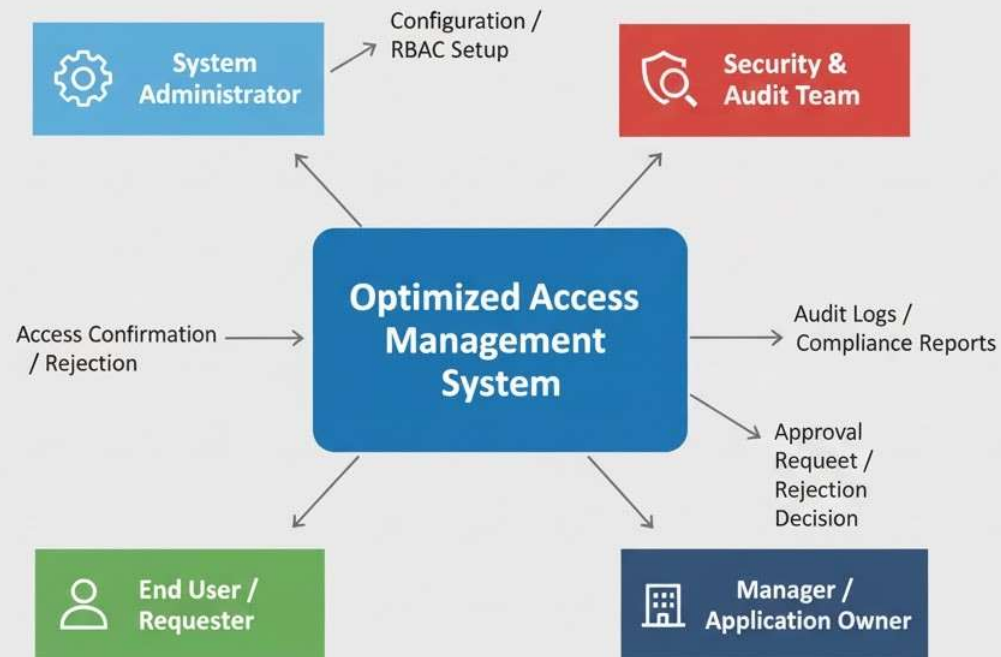| Date	1 NOVEMBER 2025
Team ID	NM2025TMID00409
Project Name	Optimizing User, Group, and Role Management with Access Control and Workflows
Maximum Marks	4 Marks

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 "Prevent User Deletion if Assigned to an Incident", Data Flow Diagrams (DFDs) illustrate how user deletion requests are processed within the system. The DFD shows the interaction between the admin, the system, and the incident database to validate whether a user is assigned to any active incidents. If the user is linked to an incident, the system blocks the deletion request to maintain data integrity and accountability.

Example:

User Stories:

User stories are crucial because they clearly define the functional requirements of the system from the perspective of the people who will actually use it

User Stories and Acceptance Criteria: Optimized Access Management

User Type	Functional Requirement (Epic) Requirement / User Story / Task	Acceptance Criteria	Release
End User / Requester	As a User, I want I want a submit requsit for request for apencioe application access through a strrough a selbmiit it funconsfien a self- self-service portal.	**Priority**	**Prlıst 1**
USN-1	As a Userr can find find the form in Service Catalog, fill in required (application, justficafıła), and submit The system confirmation message ringe.	High	Release
Apprvoml Wortflow	As a Manager, I want to receival request emaih direrct link diret to my dirct reports' apcess' and easlf approval record. Approva/Recjection easly / Rejection buttons are. Decision is logd- logged.	High	Sprint 1
USN-2	As a Manger, I must automaticaly add the user to usver to the correct Senrrviwe group ake cheation clear. Decision is logged.	High	Sprint 2
USN-4	As a system, I must automaticaly add the correct to the corrlow group upon final approval.	High	Sprint 3
System (Automated Workflow)	As user record is updated is updated with the correct group membersiy after merreditally after endisncbinoduiey aftt the ure ssociated groun the final approval.	High	Sprint 3
Access Provisiıoing	A user with specifc accific role can view/edit recorś ofnedis defined by ACLs, but is dentess to unhornısteg. The is denied data with is security access to the security aated roles.	High	Sprint 3
Access Compliance	As an Auditor, I want a complete, immuutblel logȝ of all access requess, apquests, approvals is denied access and system actions, provisoning actions.	High	Sprint 3
Audit & Compliance	A dedicated Audit Log table recery state reory state chare, change, tmequest, includiy atioling tinesꞵest, timestɹips, and system actions, – accessible for reporting.	High	Sprint 4