

REQUIREMENT ANALYSIS :

Solution Requirement:

Team Id. :

Project name : optimizing Users, Groups And role management with Access control and workflow

Functional requirements

FR no.	Functional requirements	Sub Requirements
FR 1	Users	Create Users
FR 2	Groups	Create Groups
FR 3	Roles	Create Roles
FR 4	Tables	Create Tables
FR 5	Assign users to groups	Assign Users To project Team Group
FR 6	Assign roles to users	Assign users To Alice users Assign Roles To Bob users
FR 7	Application Access	Assign Tables Access To Application
FR 8	Access control list	Create ACL
FR 9		Create A Flow to Assign operations ticket to Group

NON-FUNCTIONAL

Following are the functions requirements

FR NO	Non functional requirements	Discription
NFR-1	Usability	Optimizing user group role management with access control and workflow focuses on improving usability by streamlining user access, reducing administrative overhead, and enhancing security. This involves clearly defining roles, implementing role-based access control (RBAC), and establishing efficient workflows that align with user needs.
NFR-2	Security	Optimizing User, Group, and Role Management with Access Control and Workflow from a Security perspective involves strengthening identity governance, reducing risks, and ensuring compliance. Here's a breakdown of how to design and optimize this system securely:
NFR-3	Reliability	This is achieved through role-based access control (RBAC), which assigns permissions based on roles rather than individual users, reducing administrative overhead and the risk of errors.
NFR-4	Performance	streamlining user access, reducing administrative overhead, and enhancing security. This involves using Role-Based Access Control (RBAC) principles, such as grouping users by roles and assigning permissions to those roles rather than directly to individuals
NFR-5	Availablity	implementing a system where users are grouped

		based on their roles, with each role assigned specific permissions to access resources and perform actions.
NFR-5	Scalability	Implementing Role-Based Access Control (RBAC) and adhering to best practices like least privilege, along with efficient workflows, ensures security and manageability as the system grows.