

PROJECT DESIGN PHASE

PROBLEM – SOLUTION FIT TEMPLATE

Date	2 november 2025
Team ID	NM2025TMID05988
Project Name	Optimizing User, Group, and Role Management with Access Control and Workflows
Maximum Marks	2 marks

PROBLEM – SOLUTION FIT TEMPLATE:

This project aims to improve how users, groups, and roles are managed in a system by making access control and approval workflows easier, faster, and more secure. Currently, manual processes cause delays, errors, and security risks. The solution will introduce a centralized way to create and manage user accounts, assign roles, and control permissions through Role-Based Access Control (RBAC) and automated approval workflows. New users will get access faster through predefined role templates and automated onboarding steps, while audit logs and approval tracking will ensure compliance and transparency. This system will reduce administrative workload, prevent unauthorized access, improve security, and make the overall user access management process more efficient and reliable.

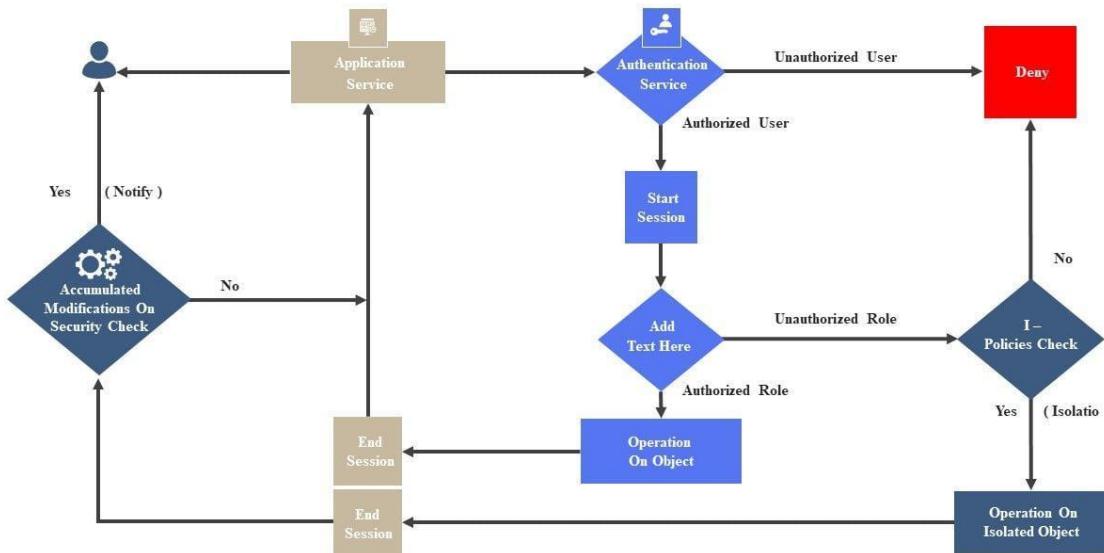
PURPOSE:

The purpose of optimizing user, group, and role management with access control and workflows is to ensure that the right people have the right access at the right time in a secure, efficient, and controlled manner. By streamlining account creation, permission assignment, and approval processes, the system prevents unauthorized access, reduces manual errors, and speeds up onboarding and role changes. Automated workflows and centralized control also support compliance with security policies, improve transparency through audit logs, and reduce the workload on administrators. Overall, the goal is to enhance security, productivity, and user experience while maintaining strong governance over system access.

TEMPLATE:

Role based access control (RBAC) flow chart

This slide represents the flow chart of role based access control in an enterprise. It starts with security check on accumulated modifications, application and authentication services and ends with operation on isolated object.



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