

Ideation Phase

Brainstorm & Idea Prioritization Template

Date: 1 NOVEMBER 2025

Project Name: *Optimizing User, Group, and Role Management with Access Control and Workflows*

Maximum Marks: 4 Marks

Project Description:

This guided project focuses on improving the efficiency and accuracy of **User, Group, and Role Management** within the system. It aims to establish clear **access control policies** and **automated workflows** that ensure users are granted only the permissions they need, reducing risks of unauthorized access.

The process begins by analysing existing user-role mappings and identifying areas of redundancy or conflict. Automated workflows are then designed to handle user provisioning, group assignments, and role changes seamlessly. Business rules and access control lists (ACLs) are implemented to enforce consistency and compliance.

Finally, test cases are executed to verify that users receive appropriate permissions, that roles are correctly assigned, and that workflows trigger the right actions when users or groups are modified. This ensures the system remains secure, organized, and aligned with organizational policies.

Step 1: Team Gathering, Collaboration, and Selection of Problem Statement

Reference: <https://www.mural.co/templates/brainstorm-and-idea-prioritization>

Team members gathered to discuss challenges related to user and role management. After reviewing multiple ideas, the team selected the problem statement:

“Optimizing User, Group, and Role Management with Access Control and Workflows.”

The focus was set on automating repetitive administrative tasks, improving system security, and ensuring that workflow-driven access assignments operate smoothly across all modules.

Step 2: Brainstorm, Idea Listing, and Grouping

Fig2: Image that describes the work done by teammates.

Brainstorm:

Team members contributed diverse ideas on improving user and role management. Everyone was encouraged to share freely, aiming to discover efficient, secure, and scalable access control methods.

Idea Listing:

All suggestions were documented — including automated workflow creation, dynamic role assignment, user approval flows, group synchronization, and access validation.

Grouping:

The listed ideas were organized into categories:

- **Automation:** Workflow triggers for user/role updates.
- **Security:** Access Control Lists, least-privilege principle.
- **Administration:** Group hierarchy management and delegation.
- **Compliance:** Role-based access audit trails.

This categorization helped the team identify which ideas aligned best with the project's goals of efficiency and control.

Action Planning:

The team prioritized actionable steps — such as designing workflow triggers, building role management rules, and testing user access scenarios — assigning each task with deadlines and responsible members.

Step 3: Idea Prioritization

Fig3: Image showing key steps in user, group, and role optimization workflow.

Idea Prioritization:

Idea prioritization helps transform broad goals into focused, achievable outcomes. In this project, the priority is to **streamline role and group management** while enforcing **secure access control**.

By prioritizing ideas such as **automated workflows** and **ACL implementation**, the team ensures that high-impact improvements are addressed first. This structured approach allows administrators to maintain a consistent, policy-driven environment.

Breaking down complex ideas into smaller, measurable components — such as role synchronization, workflow automation, and access auditing — enhances project clarity. Visual aids like **flowcharts** and **process maps** further simplify communication and planning.

Overall, this ideation and prioritization process ensures that the project delivers a **secure, efficient, and compliant** user management system with well-defined workflows and role governance.