

# Project Design Phase

## Problem – Solution Fit Template

**Date:** 1 NOVEMBER 2025

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

**Maximum Marks:** 2 Marks

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### Problem – Solution Fit Template:

The **Problem–Solution Fit** identifies a specific problem faced by users or administrators and ensures that the proposed solution effectively resolves it. It helps organizations align their design and workflows with real operational needs, improving efficiency, security, and user satisfaction.

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### Purpose:

- ☐ Solve access management challenges by automating user, group, and role assignments.
  - ☐ Improve accuracy, security, and compliance in role-based access control (RBAC).
  - ☐ Reduce manual effort and human error through workflow automation.
  - ☐ Enable faster onboarding/offboarding with consistent access rules.
  - ☐ Strengthen trust by ensuring users have the right access at the right time.
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### Template:

The project “*Optimizing User, Group, and Role Management with Access Control and Workflows*” addresses critical inefficiencies in traditional access management systems.

Organizations often struggle with inconsistent role assignments, delayed access approvals, and security risks due to manual intervention.

By integrating **workflow-driven automation** and **access control mechanisms**, this project ensures that user permissions, group memberships, and roles are managed accurately and securely.

The solution enhances system reliability, simplifies administrative tasks, and ensures compliance with organizational policies.

Through automated workflows, real-time synchronization, and audit-ready tracking, this project lays the foundation for **smarter, more secure, and efficient user management** within enterprise systems.

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## References:

1. <https://www.ideahackers.network/problem-solution-fit-canvas/>
2. <https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe>