# Project Design Phase

## Solution Architecture

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Team ID: LTVIP2025TMID28676

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

Solution Architecture Description:

The solution consists of:  
- Frontend: Web-based dashboard for role management and task assignment.  
- Backend: Secure API managing user groups, roles, permissions, and workflow logic.  
- Database: Stores user data, roles, permissions, task records, and workflow states.  
- Authentication: Role-based access control integrated with Single Sign-On (SSO) capabilities.  
- Workflow Engine: Automates task assignments, notifications, and progress tracking.

Architecture Diagram:  
(A simplified architecture diagram is included.)

