Problem Statement 4: Role-Based Access Control System

Overview

Implement a role-based access system for a hackathon platform.

Objective

Ensure each role sees only what they are allowed to see.

Key Requirements

- Participant, Organizer, Judge roles
- Restricted routes and UI elements
- Secure backend enforcement

Deliverables

- Auth middleware
- Role guards
- Conditional frontend rendering

Ideal For Testing

- Authentication flows
- Authorization logic
- Security edge cases