RBAC-Based Access Control Simulation

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Project Objective:

To demonstrate how Role-Based Access Control (RBAC) can be used to manage user permissions securely in an Identity and Access Management (IAM) environment.

Project Includes:

- A role-permission mapping table showing how access is assigned based on user roles.

- A flowchart that visualizes the access decision process from login to final access.

- Documentation of the project in Word format for presentation or interviews.

Concepts Used:

- IAM (Identity and Access Management)

- Authentication vs Authorization

- RBAC (Role-Based Access Control)

- Access Decision Flow

Key Learnings:

- Structured thinking in IAM

- Flow design in access control

- Self-documenting projects

- Intro to GitHub-based portfolio building