

Full-Stack Assessment Task

Role and Policy-Based Access System

Objective

Build a small web application that demonstrates secure login, role-based access control, and rule-based authorization for managing users and documents.

The system must clearly control **who can perform which actions and under what conditions**.

Task Requirements

The application must:

1. Allow users to **log in and log out**.
2. Support **multiple user roles** with different access levels.
3. Allow authorized users to **create, view, and manage documents**.
4. Restrict access based on **both user role and predefined rules**.
5. Display **clear messages** when a user is not allowed to perform an action.

Deliverables

The candidate must submit:

1. A **working application**.
2. A **public source code repository**.
3. **Setup and run instructions**.
4. At least **three sample user accounts** with different roles.
5. A short **written explanation** of how access rules are implemented.

Time Limit

The task must be completed within **2 hours**.

Evaluation Criteria

1. Access Control

Correct implementation of roles and rules.

2. Security

Proper handling of authentication and user data.

3. System Structure

Clear and maintainable project organization.

4. Usability

Simple and understandable interface.

Important Rule

All access restrictions must be enforced by the **backend system**.

Hiding interface elements alone is **not sufficient**.