# 📂 EDMS Lite – Enterprise Document Management System

A lightweight, full-stack Enterprise Document Management System (EDMS) designed to manage, track, and streamline document operations efficiently. Built with Java (Spring Boot), React, PostgreSQL, and integrated with CICD, RCA, Role-Based Access Control, and more.

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## 🚀 Key Features

✅ Document Management

- Upload, Update, Delete documents

- Metadata tagging and full-text search

- Document version control system

✅ Bug Tracking Module

- Internal dashboard to log and track issues

- Severity tagging Critical, Major, Minor

- Root Cause Analysis (RCA) for every bug

✅ Error Logging & RCA Dashboard

- Logs with error frequency, RCA notes, fix commit tracking

- Visual dashboard with bug resolution analytics

✅ Thumbnail Preview Service

- Real-time preview for PDFs and images (integrated with `pdf.js`)

- Thumbnail test case validation framework

✅ RBAC (Role-Based Access Control)

- Admins, Editors, Viewers with role-specific access privileges

- Secure login and access handling

✅ CICD Pipeline Integration

- Jenkins pipeline for

- Automated Build

- Unit & Integration Testing (JUnitPostman)

- Deployment

- Test Report Generation

✅ Test Framework

- JUnit test coverage for backend

- Postman test suite for REST API

- Selenium for UI validation

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## 🛠️ Tech Stack

Frontend Backend Database CICD Auth

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React.js Spring Boot (Java) PostgreSQL Jenkins JWT RBAC

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## 📁 Project Structure