

Software Requirements Specification (SRS)

Custom Enterprise Content Management System

1. Introduction

1.1 Purpose

This document specifies the software requirements for the Custom Enterprise Content Management System (ECMS). It is intended for use by the development team, stakeholders, and as a reference for validation and verification.

1.2 Scope

The ECMS will provide centralized management, storage, and retrieval of digital content, tailored to enterprise-level needs including workflow management, access control, and document lifecycle management.

1.3 Definitions, Acronyms, and Abbreviations

Term	Description
ECMS	Enterprise Content Management System
UI	User Interface
API	Application Programming Interface

2. Overall Description

2.1 Product Perspective

The ECMS will be a web-based system compatible with all modern browsers, designed to integrate with enterprise authentication and third-party applications.

2.2 Product Functions

- Document uploading, categorization, and storage
- Metadata management
- Role-based access control
- Version control and history tracking
- Workflow automation
- Advanced search
- Audit trail

2.3 User Classes and Characteristics

- Administrators: Manage users, roles, system settings
- Contributors: Upload and manage documents
- Viewers: Access and view documents

2.4 Constraints

- System must comply with corporate security policies.
- Supports browsers: Chrome, Firefox, Edge, Safari.
- Data storage must use corporate cloud provider.

3. Specific Requirements

3.1 Functional Requirements

1. User Authentication & Authorization
 - The system shall authenticate users using SSO.
 - The system shall enforce role-based permissions.
2. Document Management
 - The system shall allow users to upload multiple file types (PDF, DOCX, XLSX, etc.).
 - The system shall support metadata entry/editing for documents.
 - The system shall maintain document version history.
3. Workflow & Collaboration
 - The system shall allow custom workflow definition per document category.
 - The system shall provide task assignment and notifications.
4. Search & Retrieval
 - The system shall provide full-text and filter-based search options.
5. Audit & Reporting
 - The system shall log user and system actions for auditing.
 - The system shall generate usage reports.

3.2 Non-Functional Requirements

- Performance: System must support 500 concurrent users with <1s response time for standard operations.
- Reliability: 99.5% uptime.
- Usability: Conform to accessibility standards (WCAG 2.1 AA).
- Security: All data in transit and at rest must be encrypted.
- Scalability: Support future increase in users/content volume.

4. Appendices

- Sample Data Models
- Integration Endpoints
- User Interface Mockups (To be determined)

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