

# ClearTrust Document Repository Specification

## Overview

This document outlines the plan for an aesthetic theme-based document repository for ClearTrust. It will support both internal (ClearTrust team) and external (customer) access to documentation.

## Access Control & Authentication

Internal users will log in via Google Sign-In. External users (customers) will use a separate login portal. Role-based access will be used to control visibility of specific documents.

## Document Organization

The repository will have a structured Table of Contents, with categories like FAQs, Guides, API Documentation, and Compliance. Articles can be searched and filtered using tags.

## User Interface & UX

Focus on intuitive navigation, responsive layout for mobile and desktop, and accessibility features to ensure a smooth experience for all users.

## Themes & Aesthetics

Users can switch between Light, Dark, and Graphic-themed backgrounds. A theme switcher will be provided in the UI.

## Backend & Document Storage

Documents will be stored in formats like PDF, Markdown, and HTML. Version control will be enabled to track changes over time. Full-text search will be supported.

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## Frontend Architecture

The frontend may use React or Next.js, rendering documents dynamically with a collapsible Table of Contents and interactive UI elements.

## Security & Privacy

Secure login protocols, access token handling, and document encryption will be implemented to protect user data and sensitive content.

## Deployment & Hosting

The system will be hosted on a scalable cloud platform like AWS or Azure, using a CDN to deliver static assets efficiently.

## Future Enhancements

Planned features include in-app document editing, user comments, annotations, and AI-powered semantic search.