

Document Management System (DMS) Assignment

Description

We believe this assignment will provide you with an opportunity to demonstrate your proficiency in document management system development and showcase your coding abilities using your preferred programming language. As you work on this assignment, we encourage you to consider the following key aspects:

Functionality: Develop core functionalities for a document management system, such as document upload, search, and version control.

Scalability: Design the system with scalability in mind to handle a growing number of documents efficiently.

User Interface: If applicable, create an intuitive and user-friendly interface for interacting with the document management system.

Please ensure that you submit your completed assignment by the specified deadline. Feel free to include any additional notes or comments that you believe will help us better understand your thought process and decision-making during the development process.

User story

Hospital X wants to develop a document management system that will be used to manage hospital records. They want to be able to upload, download, manage versions and delete the documents. Some examples of document categories include patient x-ray results , patient consent letter etc. As a user I need to have the ability to upload a patient's document, search and retrieve the specific document, view and delete the document if needed.

Key functionalities summary include:

Upload Documents:

- The system should provide a user-friendly interface to easily upload different types of documents, such as patient x-ray results, consent letters, and other relevant records.
- Users should be able to upload single or multiple documents at once, ensuring a streamlined process for adding new information to the system.

Version Management:

- The document management system should support version control for documents. This includes tracking and managing different versions of a document over time.
- Users should be able to view the version history of a document, revert to a previous version if needed, and receive notifications for updates or changes.

Deletion:

- Authorized users should have the ability to delete documents that are no longer needed or have become obsolete.
- Proper access controls and permissions must be in place to ensure that only authorized personnel can perform deletion actions, preventing accidental or unauthorized removal of critical records.

Download Documents:

- Users should be able to easily retrieve and download documents from the system. This feature is crucial for sharing information internally, with patients, or with other healthcare providers.

Search and Retrieval:

- Incorporate a powerful search functionality that allows users to quickly find documents based on various parameters, such as patient names & document types.

Intuitive filters and search criteria should be implemented to facilitate efficient information retrieval.

By incorporating these essential features, Hospital X aims to enhance its document management processes, ensuring the integrity, accessibility, and security of vital healthcare records.

Note: **You may omit the login page.**

Scoring Criteria

- Backend (65%)
 - API
 - Database
- Frontend (35%)