

Tasking, Time Estimation, and Functional Requirements Document

Project Name: Document Manager [MAPSYS Assessment]

Objective: Create a web application that allows users to manage and view documents listed in the provided CSV file.

Project Team: Maison Arroyo, Software Developer

Project Supervisor: Brian Callhoun, Project Manager

Task 1: Project Setup

Description: Set up the initial MEVN project environment, including the frontend and backend frameworks.

Time Estimate: 1 hours

Functional Requirements:

- Initialize a Vue.js project for the frontend.
- Create an Express.js project for the backend.
- Set up a MongoDB database.
- Set up and fork repository.
- Configure the development environment with necessary dependencies.

Task 2: Display Documents

Description: Implement the feature to display documents listed in the "Documents.csv" file.

Time Estimate: 6 hours

Functional Requirements:

- Create a Vue.js component to display the list of documents.
- Fetch document data from the backend API.
- Display document names as clickable links.
- When a user clicks on a document link, open the document for viewing.

Task 3: Upload New Document

Description: Develop the functionality to allow users to upload new documents and update the "Documents.csv" file.

Time Estimate: 8 hours

Functional Requirements:

- Design and implement a form for uploading documents.
- Handle file uploads on the backend and store documents.
- Validate uploaded documents (e.g., file type, size).
- Update the "Documents.csv" file with the new document's information.

Task 4: Delete Existing Document

Description: Implement the feature to allow users to delete existing documents and update the "Documents.csv" file.

Time Estimate: 6 hours

Functional Requirements:

- Add a delete button next to each document.
- When a user clicks the delete button, confirm the deletion.
- Remove the selected document and update the "Documents.csv" file accordingly.

Task 5: Testing and Debugging

Description: Test application and address any bugs or issues.

Time Estimate: 3 hours

Functional Requirements:

- Create test cases for each feature.
- Test different scenarios, including uploading, viewing, and deleting documents.
- Debug and fix any issues that arise during testing.

Task 6: Documentation

Description: Prepare documentation for the project.

Time Estimate: 2 hours

Functional Requirements:

- Create a README file with instructions for running the application.
- Include information about the technologies used and any dependencies.
- Document the API routes and how to interact with them.