

Media & Document File Manager

Objective:

Build a web application where users can upload, view, and manage various file types such as documents, text, audio, and video files.

Tech Stack (MERN):

- TypeScript
- ReactJS/NextJS
- NodeJS
- MongoDB

Core Requirements:

1. User Authentication

- JWT-based login/signup
- Users can only see and manage their own files

2. File Upload & Storage

- Users can upload the following file types:
 - .txt, .srt, .docx
 - .mp3, .wav (audio)
 - .mp4, .webm (video)
- Store file metadata in MongoDB (Like filename, type, size, duration for audio file / character count for text based file and you can add other fields as well based on your thinking)
- Store files locally and serve them statically

3. File Management UI

- Upload form (with drag-and-drop or file picker)
- List of uploaded files with these below details
 - Filename
 - File type
 - Size
 - Uploaded date
 - Other details as well according to what you are storing in DB
 - Action buttons: View, Download, Delete

4. File Preview/Playback

- .txt and .srt: Display content as plain text
- .docx: Show content (can use mammoth.js or similar)
- Audio: Play using <audio> tag
- Video: Play using <video> tag

5. Frontend

- Clean, responsive UI (Tailwind CSS or Bootstrap)
- Tabs or filters to separate file types (Text, Audio, Video)
- Show loading indicators and error messages



Task Instructions:

Please complete this project within 2 days. The 2-day period will begin from the time you receive this email.

Once the project is complete:

- Upload the full source code to a GitHub repository.
- The repository should contain two separate folders:
 - server – for the backend
 - frontend – for the frontend
- Kindly share the GitHub repo link with us once you're done (Reply to the same mail).

Good luck, and feel free to reach out if you have any questions during the task!