Document Signing Application similar to DocuSign

Objective:

Create a web-based document signing application that allows users to upload a PDF, specify different fields in the doc (Name, Email, Digital signature, etc.), and download a consolidated PDF document with all the fields superimposed.

Deliverable Requirements:

Frontend (React):

- Create a React application for the frontend.
- Implement is authentication for secure access.
- Design a quer-friendly interface with the following features: Document upload form with the ability to upload PDF files. - Name / Email / Signature capture component. -Button to initiate the signing process. - A list or display area for the signed documents.
- Make API requests to the Node.js backend for document upload, signing, and retrieving signed documents.
- Implement error handling and sisplay appropriate messages to the user.
- Deploy the React frontend parting platform (e.g., Netlify, Vercel, or GitHub Pages).

Backend (Node.js):

- Create a Node.js application using the Express is framework.
 Implement user authentication using a library of your choice (e.g., Passport.js, Firebase Authentication).
- Set up API routes for the following actions: Use registration and login. Document upload (PDF files). - Signature capture and merging with the uploaded document. -Retrieving signed documents.
- Use a library like 'pdf-lib' or 'pdfkit' to generate signed PD' documents by merging the uploaded documents with the digital signatures.
- Implement signature validation for uploaded documents to ensure goodment integrity.
- Handle errors gracefully and provide clear error messages.
- Deploy the Node is backend to a hosting service (e.g., Heroku, AWS) DigitalOcean).

Submission:

- The candidate should provide a link to the GitHub repository containing the code for the project.
- Include clear documentation on how to set up and run the application.
- During the interview, the candidate should demonstrate the application's functionality, including document upload, signing, and retrieval.
- Use any resources available.

Evaluation Criteria:

- API design and functionality on the Node.is backend.
- Document generation and signature verification.
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- Deployment of both frontend and backend.
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