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 onsolidated PDF document with all the fields superimposed.

Requirements:

ct):

- React application for the frontend.
- er authentication for secure access.
- iendly interface with the following features: Document upload form with the a oad PDF files. - Name / Email / Signature capture component. -Button to init igning process. - A list or display area for the signed documents.
- Make API requests pde.js backend for document upload, signing, and retrieving signed doctor
- Implement error handling a graph lay appropriate messages to the user.
- Deploy the React frontend platform (e.g., Netlify, Vercel, or GitHub Pages).

Backend (Node.js):

- Create a Node is application using the
- choice (e.g., Passport.js, Implement user authentication using a libit Firebase Authentication).
- Set up API routes for the following actions: Use tion and login. Document ploaded document. upload (PDF files). - Signature capture and merging Retrieving signed documents.
- Use a library like `pdf-lib` or `pdfkit` to generate signed P can ents by merging the uploaded documents with the digital signatures.
- Implement signature validation for uploaded documents to ensure ment 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:

- Code quality, organization, and readability.
- Secure user authentication and data handling.
- Effective use of React for the frontend.
- API design and functionality on the Node.js backend.
 - Document generation and signature verification.
 - Error handling and user-friendly messages.
 - loyment of both frontend and backend.
- and the cusing on both frontend and backend development, as well as secure user a secure that the control of th