

Intern Selection Assignment: Document Management Portal

Objective:

Build a full-stack Document Management Portal where users can manage their documents and ask questions about them using AI. This project will test your skills in frontend and backend development, authentication, file handling, and AI integration.

Requirements

Frontend (React.js)

- Use **React.js** to build the user interface.
- Host the frontend using github pages or any alternatives.
- Pages:
 - **Sign Up**
 - **Login**
 - **Dashboard** (Visible after login)
- Features after login:
 - Upload documents
 - View list of uploaded documents
 - Delete or update documents
 - Ask questions related to the documents and get AI-powered answers

Backend (Django)

- Use **Django** for backend API development.
 - Host the backend using a **free-tier service like Render.com or any alternatives**.
 - Use Django Rest Framework (DRF) for API endpoints.
 - Implement **JWT or token-based authentication**.
 - APIs to:
 - Register, login, logout
 - Upload, update, delete, list user documents
 - Answer questions using **Gemini API (free tier) or any AI model** based on the content of uploaded documents
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AI Integration

- Integrate AI API to:
 - Extract text from user documents (use OCR if needed)

- Respond to user questions based on the extracted content
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Deliverables

1. Working hosted frontend (on github pages or any alternative)
 2. Working hosted backend (on Render (or any other free-tier))
 3. Shared GitHub repo link with well-documented code
 4. Final link to the live portal
 5. README file must include:
 - Project overview
 - Tech stack used
 - Steps to run locally
 - Hosting links
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Evaluation Criteria

- Functionality (Sign up/in, document management, Q&A)
 - Code quality and structure
 - UI/UX design and responsiveness
 - Use of proper API and authentication
 - Proper hosting and deployment
 - Documentation and presentation
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Deadline: 26/05/2025, 11:30AM

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