

PROBLEM STATEMENT AND TEAM DETAILS

**Problem Statement:**

Legal professionals struggle with inefficiencies due to disorganized files, time-consuming document review and creation, and the lack of a unified platform for smart storage, AI-driven processing, and workflow management.

Team Name:

TECH COMRADES

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Open Innovation

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PROBLEM

Legal professionals face major inefficiencies in managing case-related documents and information.

- Legal files are often unorganized, scattered across folders, or stored without proper categorization.
- Lawyers waste significant time manually reading and summarizing long legal PDFs like case judgments or contracts.
- Creating legal documents (affidavits, contracts, applications) is repetitive and time-consuming.
- There's no unified platform that combines smart storage, AI-powered document handling, and workflow tools in one place.



SOLUTION

An AI-powered Context Management System designed specifically for lawyers.

- Smart Legal File Management: Categorize and store legal documents by case type, client, or domain for easy access.
- AI-Powered PDF Summarization & Q&A: Upload any legal PDF and instantly get a summary or ask questions about the content.
- Instant Legal Document Generator: Choose from legal templates, auto-fill case data, edit in-app, and save in preferred formats.
- Lawyer Profiles: Maintain lawyer bios, specializations, and contact info — useful for internal context and collaboration.



METHODOLOGY

USER-CENTRIC DESIGN

- Identified pain points faced by lawyers in organizing, summarizing, and creating legal documents.
- Designed an intuitive UI with minimal steps for document upload, access, and editing.

MODULAR SYSTEM ARCHITECT

- Separated modules for file management, AI processing, document generation, and user profile management.
- Ensures flexibility and easy future scalability.

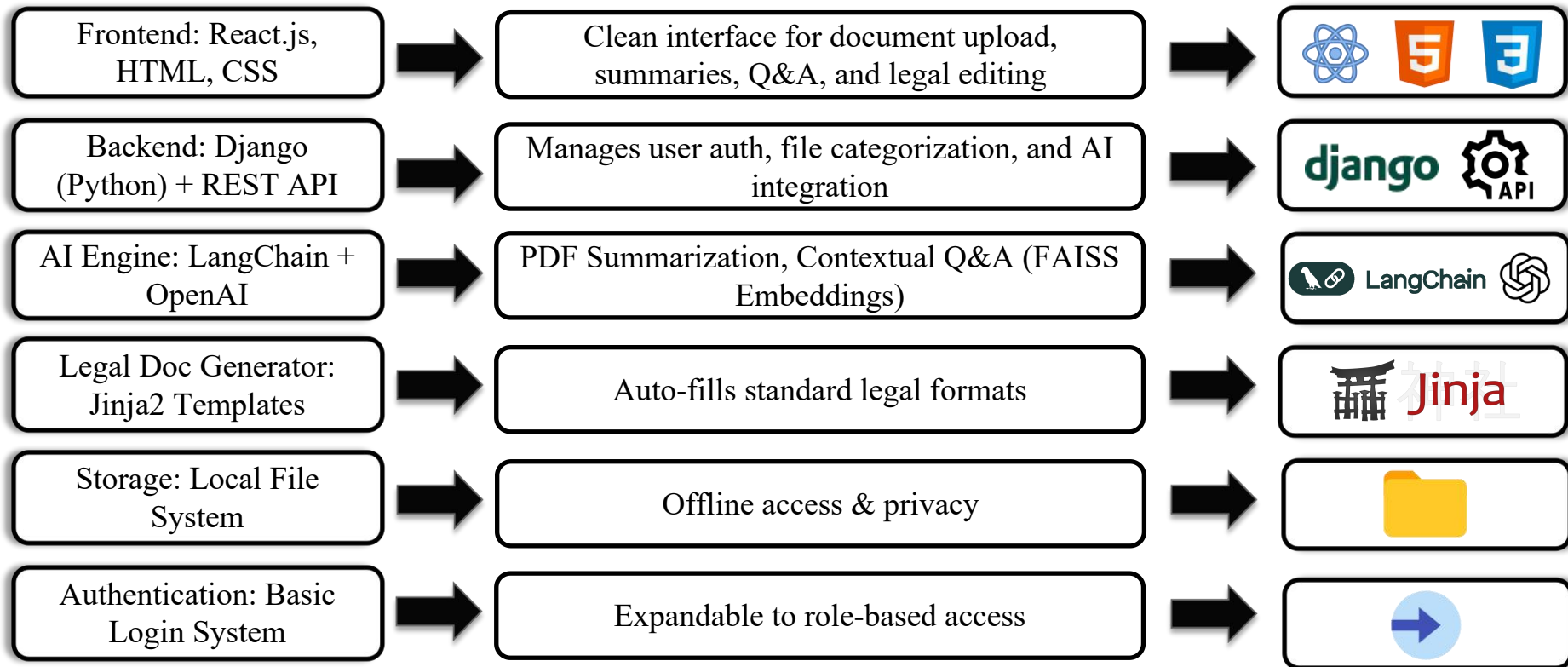
AI INTEGRATION

- Used natural language processing (NLP) techniques for summarization and Q&A.
- Embedded documents using vector databases for contextual understanding.

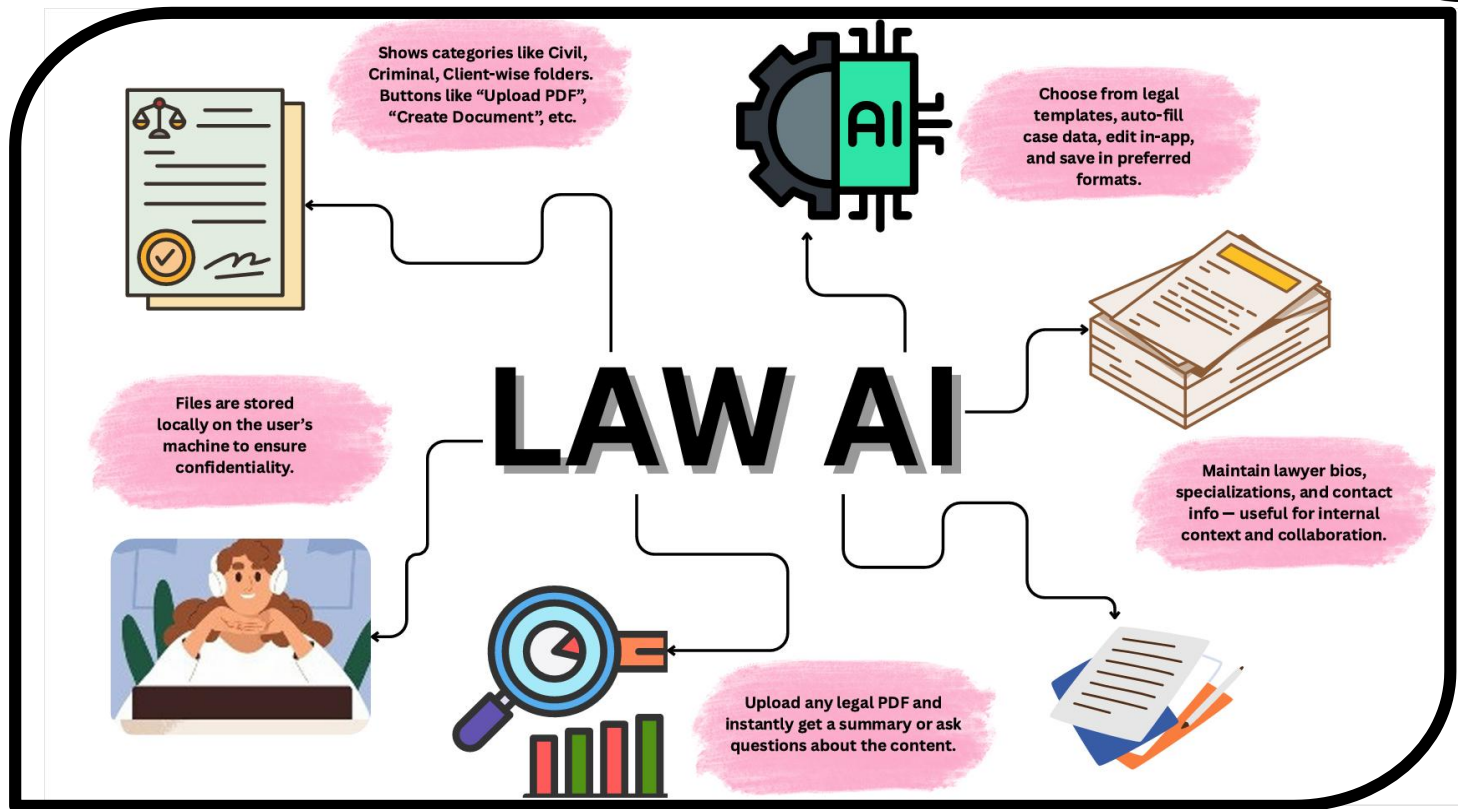
SECURITY & LOCAL STORAGE

- Files are stored locally on the user's machine to ensure confidentiality.
- Optional user authentication for profile-based access and context tracking.

IMPLEMENTATION



FLOWCHART & SUPPORTING IMAGES





FEASIBILITY AND MARKET USE

FEASIBILITY

- Fully software - based ; no hardware needed.
- Built using stable, open-source tech (Django, React, LangChain).
- Can run locally or on private servers, ensuring data privacy.
- Modular design makes it easy to build, scale, and maintain.



MARKET USE

- Ideal for individual lawyers, small firms, and legal aid NGOs.
- Solves real problems in document handling, summarization, and drafting.
- Addresses a gap in current legal-tech tools focused only on research/billing.
- Huge potential: 1.3M+ lawyers in India, rising demand for legal automation.