AI Legal Document Explainer — Product Specification

Overview

AI Legal Document Explainer is a web-based application designed to help users upload, understand, and interact with legal documents (like lease agreements, contracts, or terms and conditions). The AI provides: - Plain-language summaries (no legal jargon) - Clause and risk highlights - Contextual Q&A support - Confidence levels for responses - Legal next-step recommendations

The application is fully responsive — designed to work seamlessly across desktop, tablet, and mobile devices.

User Flow (Step-by-Step)

1. Welcome Screen / Landing Page

- Clean and minimal layout
- Message: "Understand legal documents in plain English."
- CTA buttons:
- **Sign Up / Sign In** (Email-based)
- **Try Demo** (optional limited trial)

2. Authentication

- Sign Up: Email + Password (with email verification)
- Sign In: Email + Password
- Forgot password / reset flow
- Auth state maintained with secure session cookies

3. Dashboard (Main View)

- Greeted with: "Upload your document to get started."
- Features:
- **Upload Document (PDF only)**
- **Past Uploads / History Section**
    - List view with: Doc name, upload date, and AI summary preview
- Responsive layout:
- Grid view on desktop
- Stacked card view on mobile

4. Upload Process

- Drag-and-drop or select file

- Client-side validation: PDF only, max 10MB
- Loading animation while file uploads
- Server-side document parsing & AI processing

5. Document View Page

After successful upload:

5.1 Summary Panel

- Plain-English summary of the document
- Split by sections (e.g., "Termination", "Fees", "Obligations")

5.2 Clause Highlights

- Interactive PDF viewer
- Clauses highlighted in different colors:
- Obligations (blue)
- Risks (red)
- Neutral info (gray)
- Tappable/clickable highlights show tooltips:
- AI explanation
- Suggested action (if needed)

5.3 Red Flags Panel

- List of unusual or risky terms
- Example: "Auto-renewal clause found — Review carefully."
- Each item has:
- Clause reference
- Risk level (Low, Medium, High)
- Suggested next step

5.4 Confidence Indicator

- Each AI interpretation includes a score (e.g., 85% confidence)
- Below 60% → includes disclaimer to consult a lawyer

6. Interactive Q&A Assistant

- Floating input field: "Ask a question about this document…"
- Chat-style responses from AI
- Answers cite specific sections
- Mobile view shows Q&A in full-screen chat mode

7. Legal Recommendation Modal

- Triggered when:
- High-risk clause found

- User asks complex legal question
- Modal suggests: "We recommend consulting a legal professional."
- Option to download full AI report (.PDF)

8. Download Report

- Exports include:
- Summary
- Highlighted clauses
- Red flags
- User Q&A transcript
- Available as PDF

9. Settings / Account Page

- Profile management
- Subscription tier (free, pro)
- Billing and invoices (Stripe integration)
- Delete account / export data

10. Admin Panel (Optional for internal use)

- Manage user accounts
- Track document uploads
- View flagged error reports
- Configure AI thresholds (e.g., confidence cutoff)

Screenflows (Inspired by Notebook LM)

Creating a Legal Document Session

- Upload a PDF document
- Trigger AI parsing and summary generation

Adding a Source

- (Optional) Add a second document for comparison (e.g., old vs. new lease)

Selecting Sources

- Choose which uploaded document to view and interact with

Saving a Response to Notes

- Within Q&A chat, users can click "Save to Notes" on any AI answer
- Notes are viewable in a "My Notes" section linked to the document

Copying a Response

- Every Q&A answer includes a copy icon for quick clipboard access

Rating a Response

- Users can give a thumbs-up/thumbs-down on each AI answer
- Feedback used to fine-tune future responses (optional backend logic)

Generating an Audio Overview

- Convert AI summary to audio using text-to-speech API (stretch feature)

Adding a Note

- Users can manually add notes linked to a specific clause or section

Deleting a Note

- Users can delete personal notes from the "My Notes" panel

Creating a Mindmap (Optional - Stretch Goal)

- Generate a mindmap of document sections and relationships between clauses

Sharing a Document

- Share document + AI analysis via shareable read-only link
- Permissions: View only, no Q&A access for external viewers

Hiding Side Panel

- On document view, allow collapsing the Notes/Q&A sidebar for focused reading

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Technical Features

Frontend (Responsive Web App)

- Framework: React (Next.js preferred)
- Styling: TailwindCSS
- UI Library: shadcn/ui or Radix UI
- Routing: File-based routing
- Mobile-first design: Grid & flex layout support

Backend

- File handling: Cloud storage (e.g., AWS S3 or Firebase)
- Parsing: PDF.js + custom clause tagger

- AI Model: Hosted LLM API (e.g., DeepSeek, GPT-4o)
- Auth: Clerk / Firebase Auth / Supabase Auth
- Q&A Engine: Vector DB + Retrieval-Augmented Generation (RAG)
- Confidence Calculation: Based on model output + metadata

Database

- Supabase / PostgreSQL
- Tables:
- Users
- Documents
- Clauses
- Q&A Logs
- Flags & Risks
- Saved Notes

APIs

- Document Upload API
- AI Summarization API
- Q&A Handler
- Risk Analyzer API
- Note Management API
- Mindmap Generator (optional)

Stretch Features (Phase 2)

- Multi-language support
- Multiple file support in one session
- Lawyer integration plugin (refer a lawyer)
- Voice-based Q&A
- Live collaboration on documents
- Mindmap generator
- Text-to-speech for document summaries

Summary

This specification outlines the full user journey and system design of the **AI Legal Document Explainer** app — from clean onboarding to deep AI interaction. The goal is to make legal documents as understandable as possible, while remaining intuitive, accessible, and safe.