Gen AI Exchange Hackathon

Team Name : A Plus

Team Leader Name : Rachit Patel

Problem Statement : Generative AI for Demystifying Legal Documents

PROBLEM & SOLUTION

Problem : 90% of people sign contracts without understanding them due to complex legal jargon, hidden risks, language barriers, and expensive legal consultations.

Solution : Norm Advisor democratizes legal understanding through AI-powered document analysis, providing instant insights in plain language with bilingual support (English + Hindi).

KEY FEATURES & USP

Instant Analysis : Minutes instead of hours using Google Gemini Flash 1 & 2 AI models

Risk Detection : Automated clause categorization with 1-100 risk scoring

Bilingual Support : First AI legal analyzer with Indian law compliance + Hindi interface

Privacy-First : No-Save Mode for sensitive documents (GDPR compliant)

Interactive Q&A : Ask questions about specific clauses with context-aware responses

Legal Fitness Score : Overall document risk assessment

TECHNOLOGY STACK

Frontend : React 18 + TypeScript + Tailwind CSS + Vite

AI Integration : Google Gemini API (Dual-model processing)

Backend : Firebase Auth + Firestore + Cloud Storage

Document Processing : PDF.js + Mammoth.js for PDF/DOCX support

Authentication : Google OAuth integration

BUSINESS MODEL

Freemium : Free (3 docs/month) → Premium (₹299/month) → Enterprise (₹2,999/month)

Target Market : 63M+ small businesses, 15M+ freelancers, 200M+ internet users in India

Break-even : 250 premium users (Month 8-10)

Development Cost : ₹6.5L initial + ₹70K/month ongoing

IMPACT & METRICS

95%+ accuracy in clause identification

<30 seconds analysis time

90% cost reduction vs traditional legal consultation

Social Impact : Serves 500M+ Hindi speakers, improves legal literacy

COMPETITIVE ADVANTAGE

First AI legal analyzer with Indian Contract Act 1872 compliance

Dual-language support (EN + HI)

Privacy-first approach with no-save option

Real-time interactive analysis vs static reports

Affordable pricing vs expensive legal consultations

FUTURE ROADMAP

6 months : Mobile app, 10+ Indian languages, 50K users

1 year : AI contract generation, corporate dashboard, international expansion

2-3 years : Voice analysis, blockchain verification, 1M+ users

DEMO HIGHLIGHTS

1. Upload rental agreement → 2. Real-time AI processing → 3. Risk assessment →

4. Interactive Q&A → 5. Bilingual explanations

Opportunity should be able to explain the following:

- **Complex Legal Language**
  - Contracts filled with jargon that's hard to understand

- **Hidden Risks**
  - Critical clauses buried in lengthy documents

- **Language Barriers**
  - Limited access for non-English speakers

- **Time – Consuming**
  - Hours spent deciphering legal terms

- **Expensive Legal Consultation**
  - High costs for professional

"90% of people sign contracts without fully understanding them"

List of features offered by the solution

Smart Document Upload

- ✓ PDF & DOCX support
- ✓ Drag-and-drop interface
- ✓ Sample document testing

AI-Powered Analysis

- ✓ Google Gemini Flash 2 Integration
- ✓ Dual-model processing for accuracy
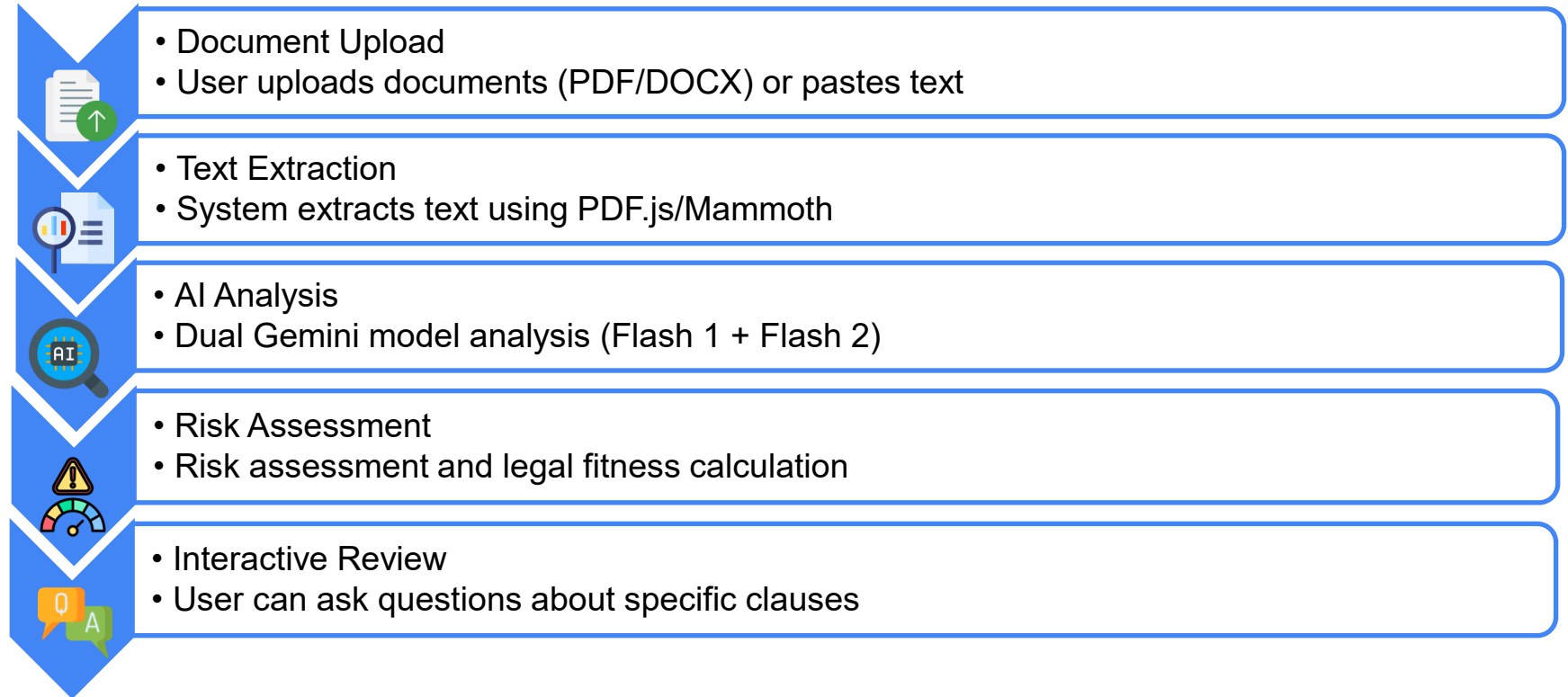- ✓ Indian Contract Act 1872 compliance

Risk Assessment

- ✓ Automated clause categorization
- ✓ Risk scoring (1-100 scale)
- ✓ Legal fitness score

Interactive Q&A

- ✓ Ask question about specific clauses
- ✓ Context-aware responses
- ✓ Suggested question

Process flow diagram or Use-case diagram

- Document Upload
- User uploads documents (PDF/DOCX) or pastes text

- Text Extraction
- System extracts text using PDF.js/Mammoth

- AI Analysis
- Dual Gemini model analysis (Flash 1 + Flash 2)

- Risk Assessment
- Risk assessment and legal fitness calculation

- Interactive Review
- User can ask questions about specific clauses

Wireframes/Mock diagrams of the proposed solution
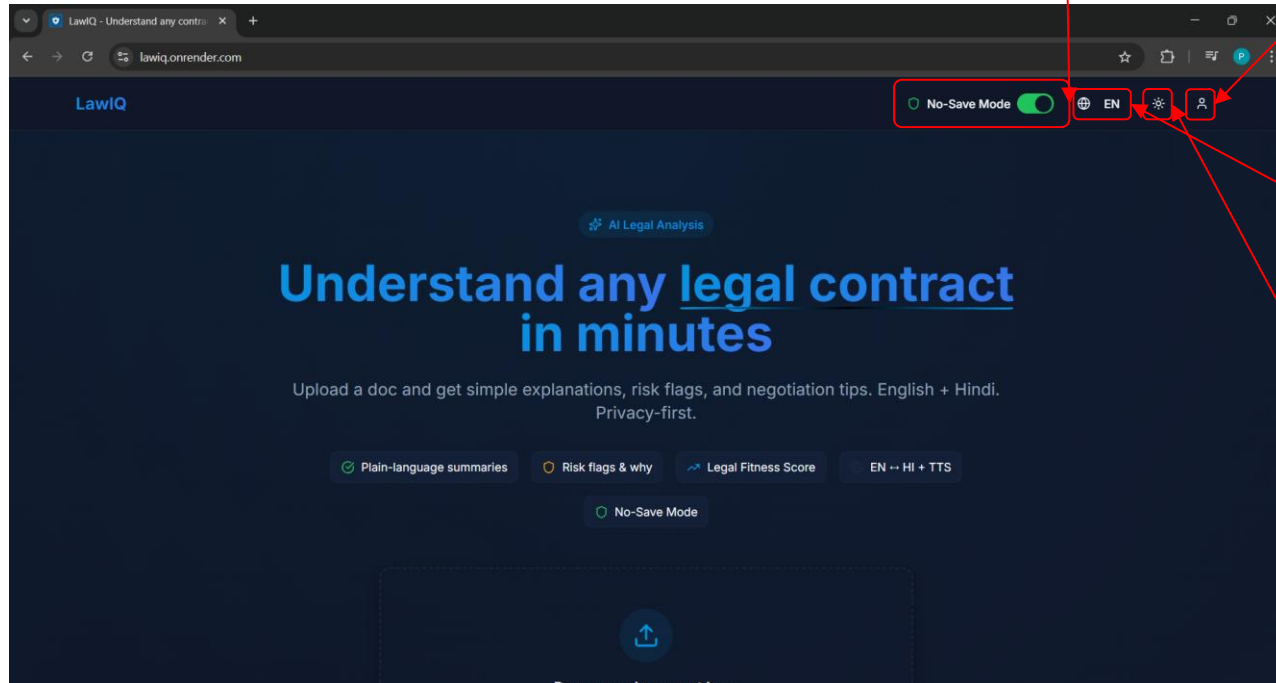
Auto Save Mode On/Off Toggle

Sign in using Google

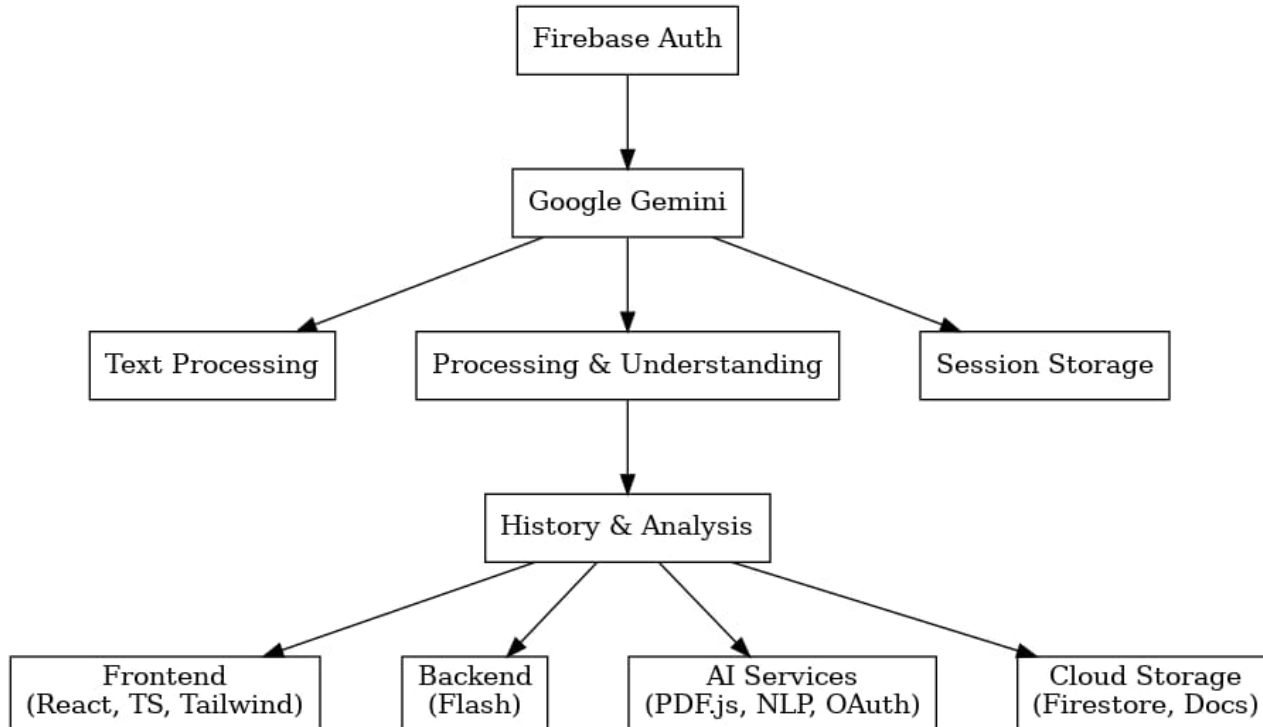Change Language Between English and Hindi

Change Theme Light/Dark Mode

Wireframes/Mock diagrams of the proposed solution

Past Your Text Here

Upload Document/PDF File

Wireframes/Mock diagrams of the proposed solution

See Summary of Document Here

Ask Questions About Document

Export Generated Data as PDF
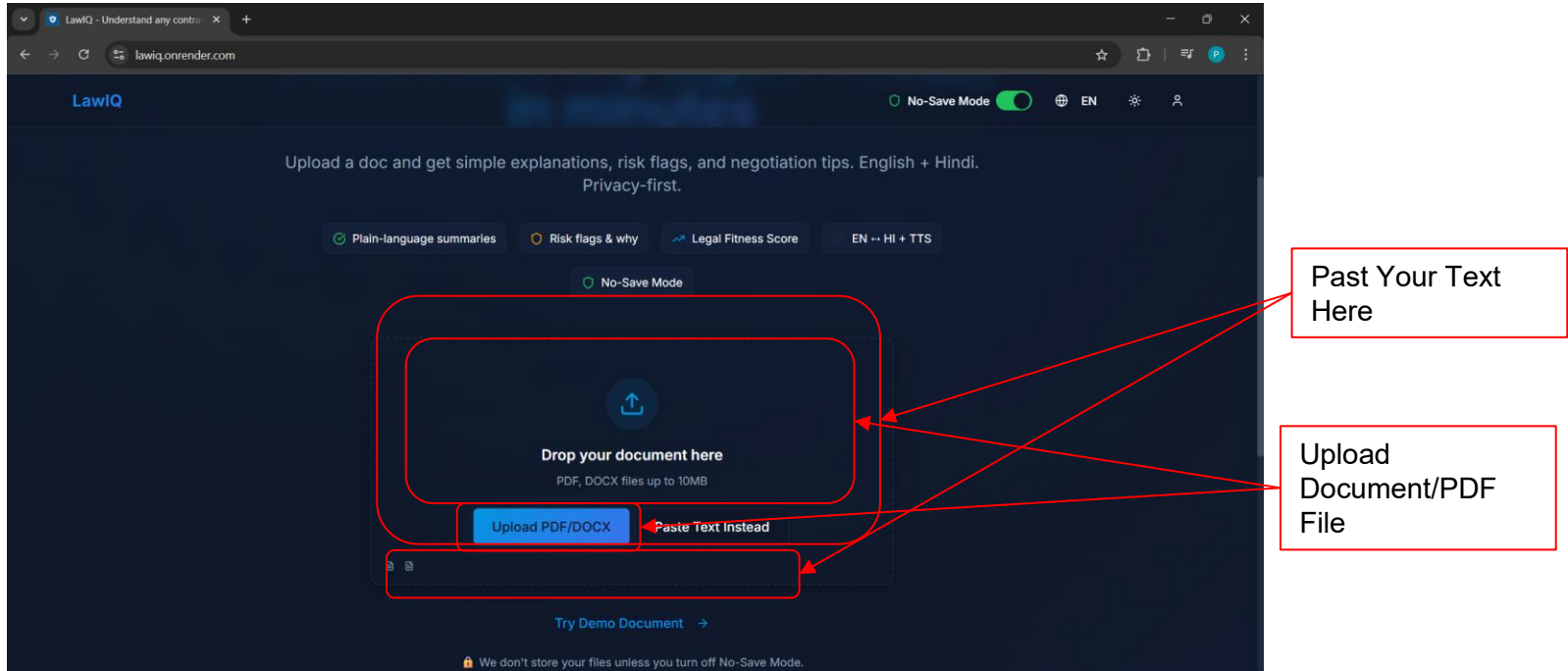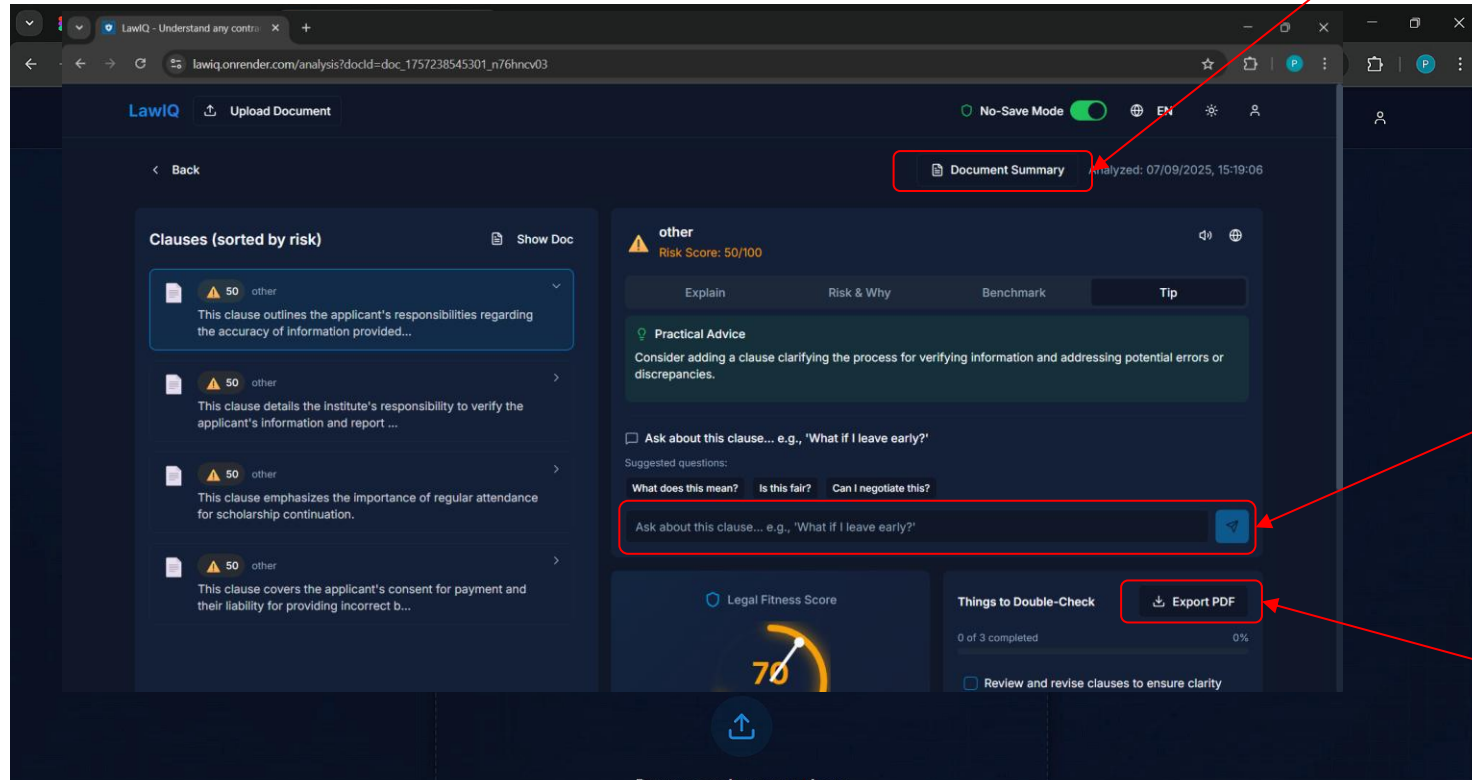
Architecture diagram of the proposed solution

Technologies to be used in the solution:

Frontend Technologies

Framework
React 18 with TypeScript

Build Tool
Vite for fast development

Styling
Tailwind CSS + shadcn/ui components

State Management
React Query for server state

Routing
React Router for navigation

Backend & Services

Authentication
Firebase Auth with Google OAuth

Database
Cloudinary & Firebase for document storage

File Processing
PDF.js for PDFs, Mammoth.js for DOCX

AI Integration
Google Gemini API (Flash 1 & 2 models)

Development & Deployment
Deployed in Render

# Gen AI
Exchange
Hackathon

Thank you

✦ AI Legal Analysis

Understand any legal contract in minutes

Upload a doc and get simple explanations, risk flags, and negotiation tips. English + Hindi. Privacy-first.

⊘ Plain-language summaries   ⛨ Risk flags & why   ↗ Legal Fitness Score   EN ↔ HI + TTS

⛉ No-Save Mode

⬆

Drop your document here

PDF, DOCX files up to 10MB