

# 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



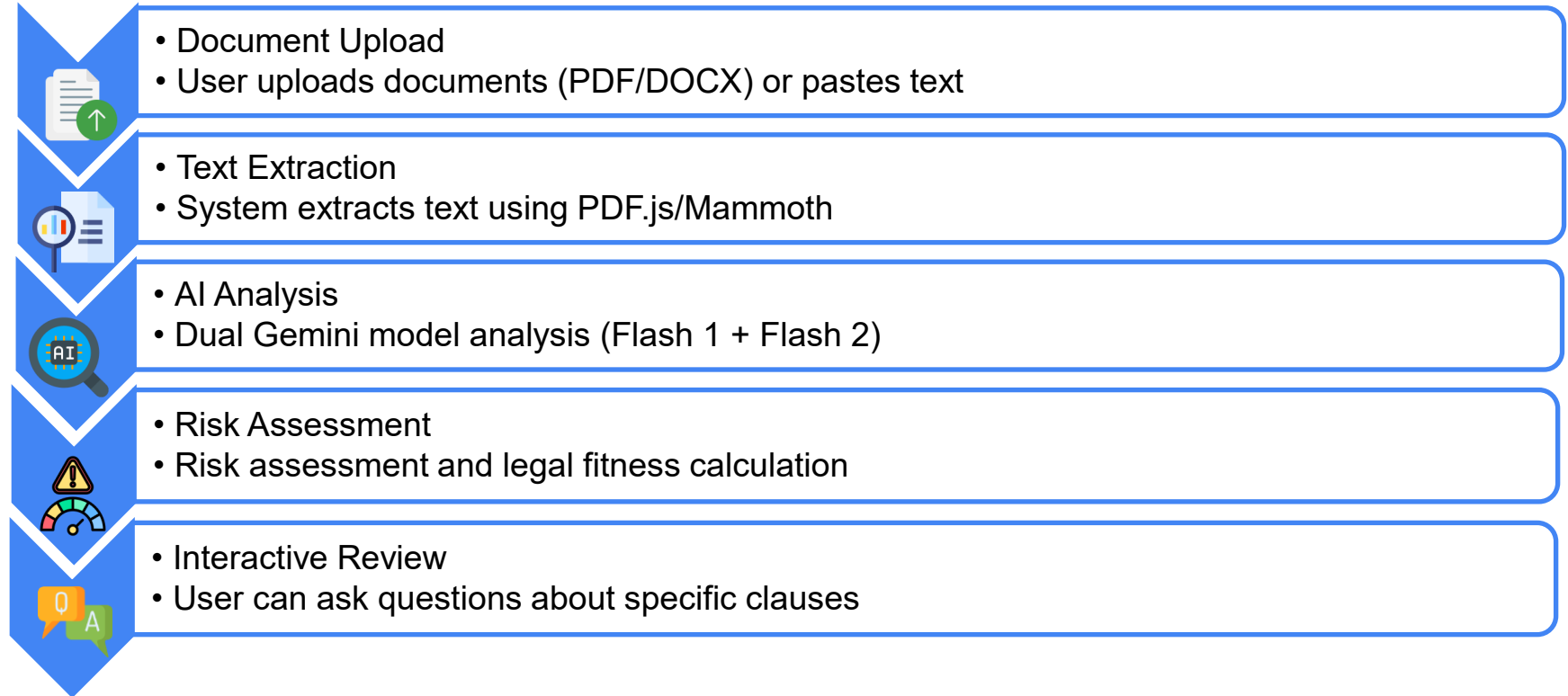
- ✓ Automated clause categorization
- ✓ Risk scoring (1-100 scale)
- ✓ Legal fitness score



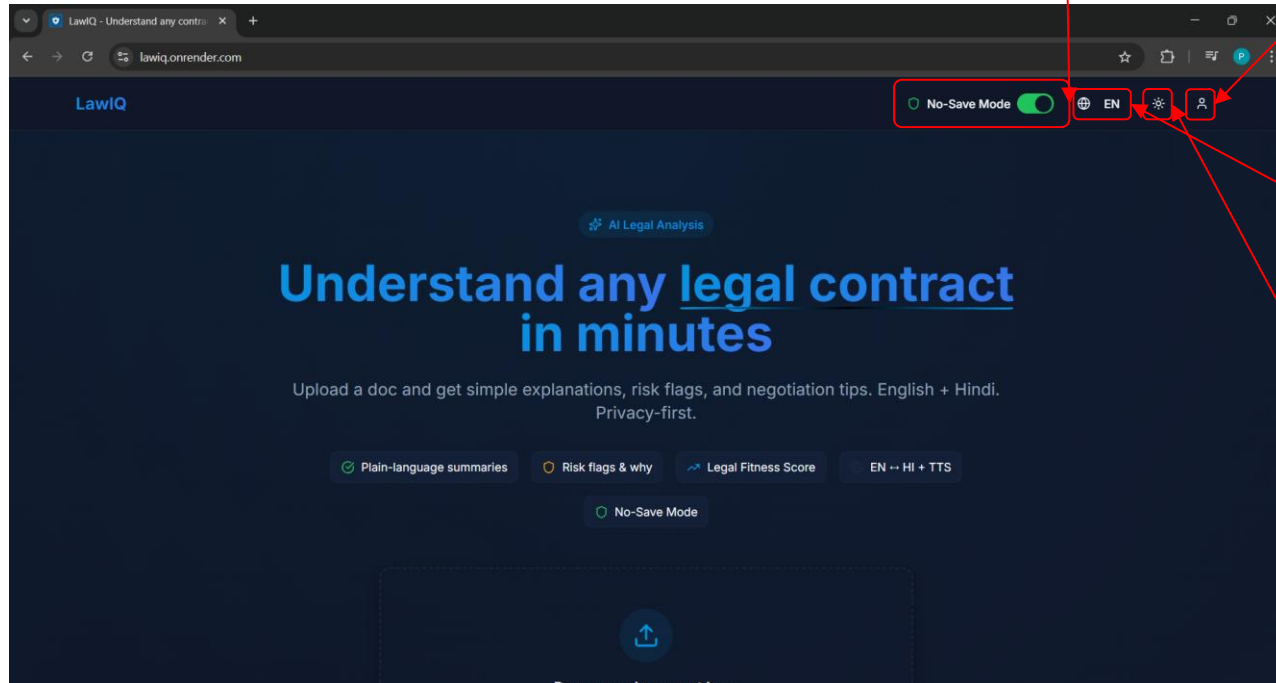
### Interactive Q&A

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

## Process flow diagram or Use-case diagram

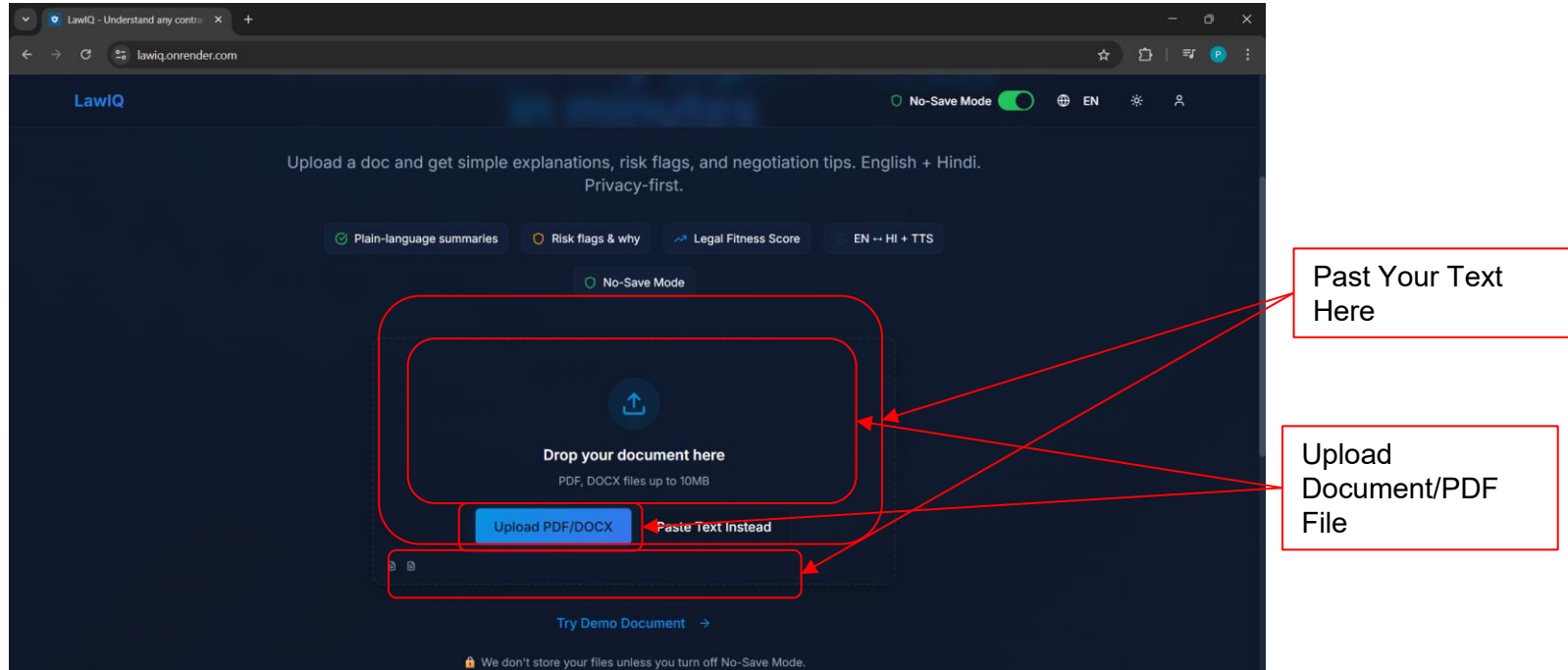


## Wireframes/Mock diagrams of the proposed solution

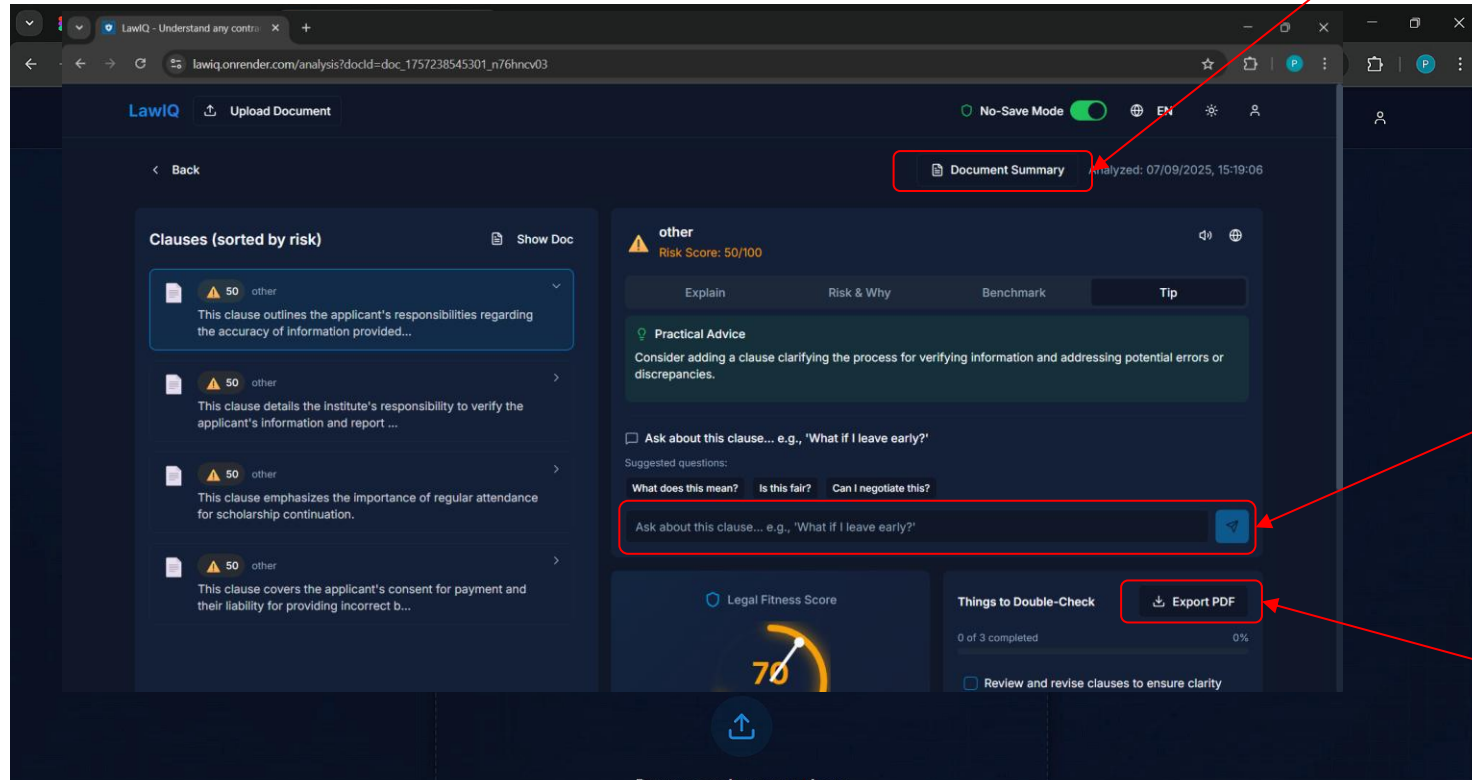




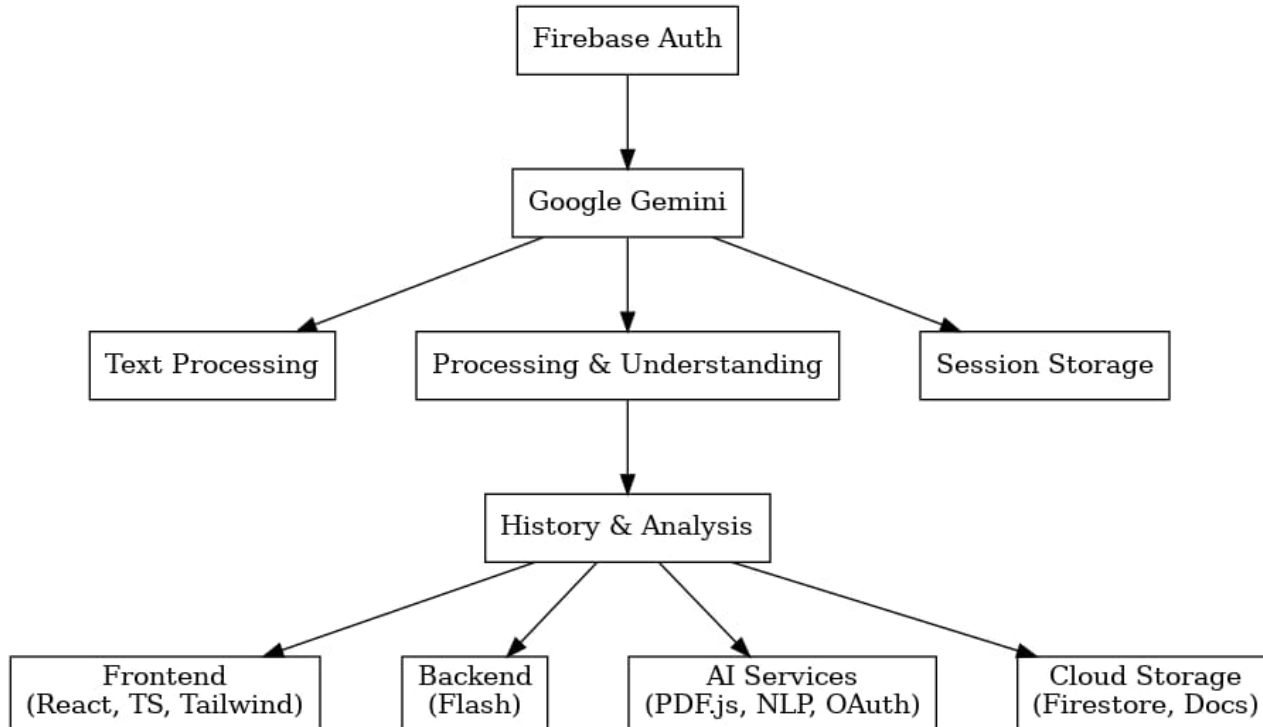
## Wireframes/Mock diagrams of the proposed solution



## Wireframes/Mock diagrams of the proposed solution



## 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



## Generative AI for Demystifying Legal Documents

Develop an AI solution that simplifies complex legal documents into clear, accessible guidance, empowering users to make informed decisions.

[View more](#)