Software Requirements Specification (SRS)

ClearClause: AI Legal Simplifier

Revision History

Version	Date	Change Description	Reason for Change
1.0	12/05/2025	Initial Version	Initial Draft

1. Brief Problem Statement

ClearClause is an AI-powered legal document analysis platform that simplifies complex legal language into plain English. The system is designed to help non-legal professionals understand legal documents by providing clear explanations and highlighting potential risks in legal clauses.

2. System Requirements

- Frontend: React.js with TypeScript

- AI Integration: Google Gemini API

- Database & Authentication: Supabase

- Deployment: Vercel or Netlify

- Version Control: GitHub

- IDE: Visual Studio Code

3. User Profiles

3.1 General User: Any individual seeking to understand legal documents

3.2 Registered User: Users with saved preferences and analysis history

3.3 Administrator: System managers with full access and control

3.4 AI System: Backend processing component for document analysis

4. Use Cases

4.1 UC-01: Text Input and Analysis

Actors: General User, AI System

Description: Submit legal text for analysis

Preconditions:

- System is operational

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- AI API is accessible

Main Flow:

1. User navigates to input page

2. User enters legal text or uploads a document

3. System validates input format

4. User clicks 'Analyze'

5. System processes text using the AI

6. System displays simplified results

Alternative Flows:

A1: Invalid input format - System shows error message

A2: API failure - System displays error notification, suggests retry

Postconditions: Analysis results displayed, text stored temporarily