AI Contract Analyzer

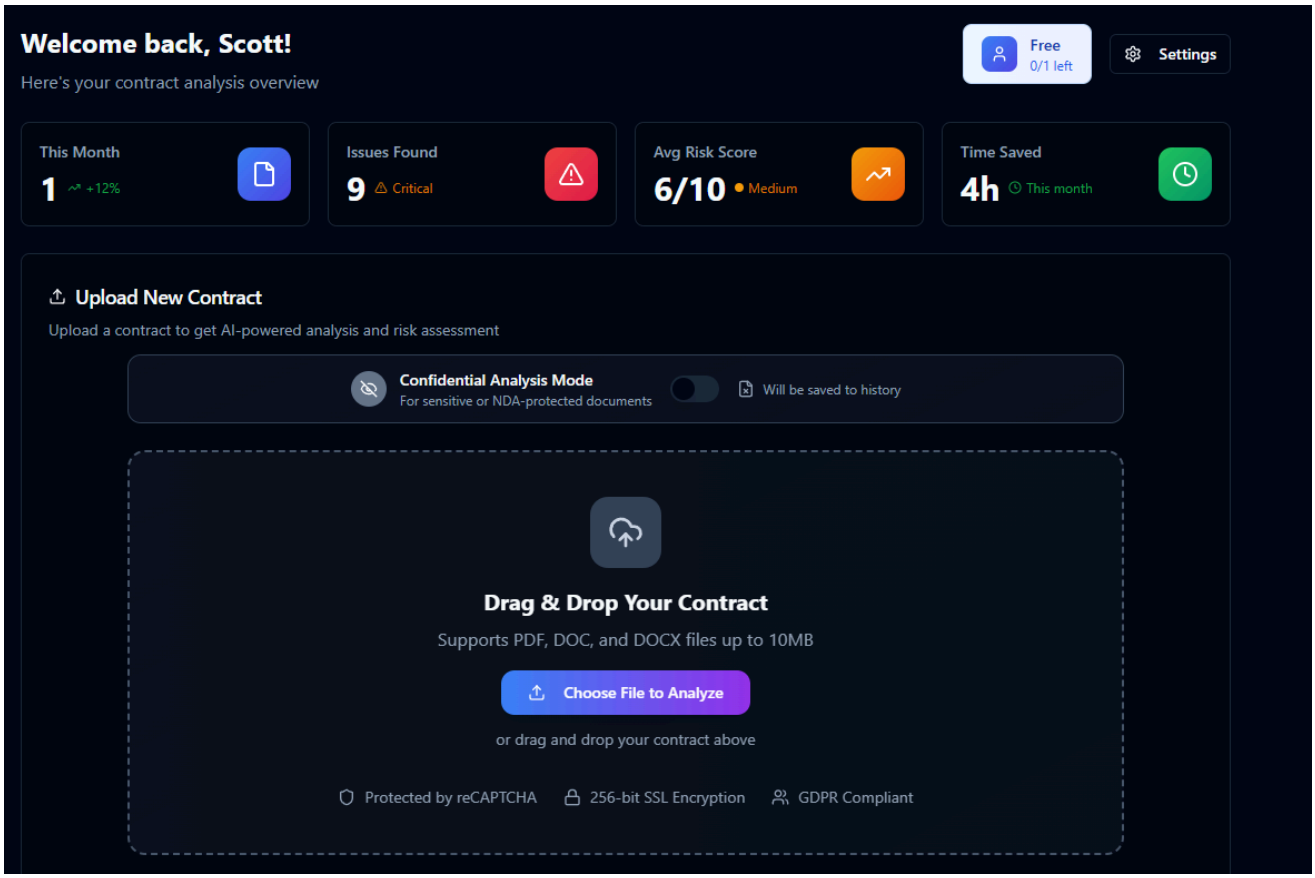
Overview

A contract analysis tool that uses AI to identify potential issues in legal contracts and provide potential recommendations to avoid legal issues. Users can upload contracts and receive detailed analysis with redlined concerns and suggested revisions.

How It Works

The application is very easy to use:

1. **Upload**: Users upload their contract
2. **Processing**: The text is extracted and sent to Claude API
3. **Analysis**: Claude analyzes the contract using a specialized prompt I created
4. **Results**: Issues are highlighted (redlined) with specific recommendations



Prompt:

The prompt is used to:

- **Scan for issues**
- **Redline problems**
- **Provide recommendations**

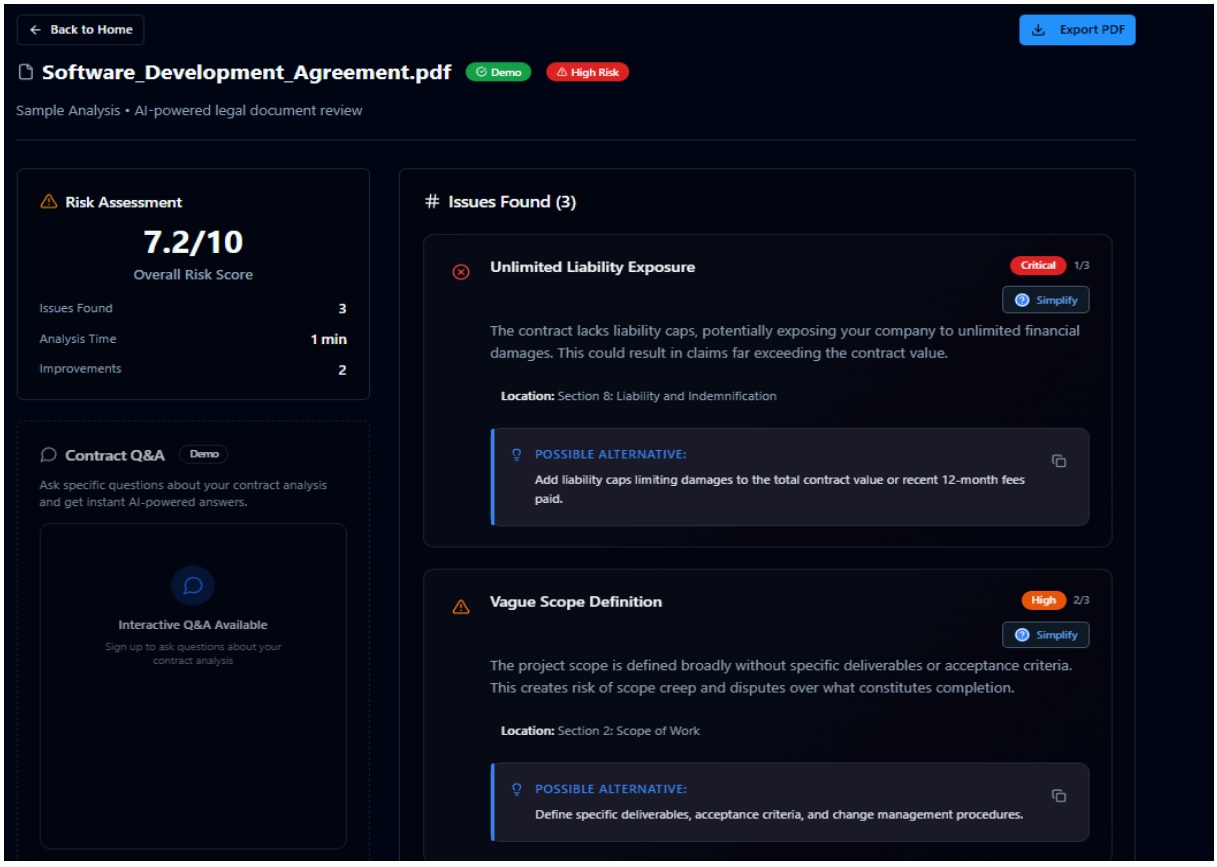
Technical Implementation

Platform: Built on Replit to quickly create a user friendly website

AI Engine: Claude 3.5 Sonnet

Key Features:

- Multiple file format support (PDF, DOCX, TXT)
- Secure processing with no permanent storage
- Clear, organized analysis output
- Issue severity categorization



Technical Flow:

When a user uploads a contract, the application extracts the text content and sends it to the Claude API along with my custom prompt. Claude processes the document according to the prompt instructions, scanning for issues and formatting the analysis with redlined sections and recommendations. The API then returns this formatted response back to the website, which displays it to the user in an easy to read layout that highlights problems and suggested fixes.

Future Enhancements

- Side-by-side comparison of original vs. suggested revisions
- Interactive editing to accept/reject suggestions
- Industry-specific analysis templates

Lessons Learned

- Prompt engineering is important for correct AI outputs
- Clear user experience makes or breaks an AI tool
- Constant testing is important for bug searching

Try it out:

Email me at scottbartram9@gmail.com to test it out or if you have any questions!