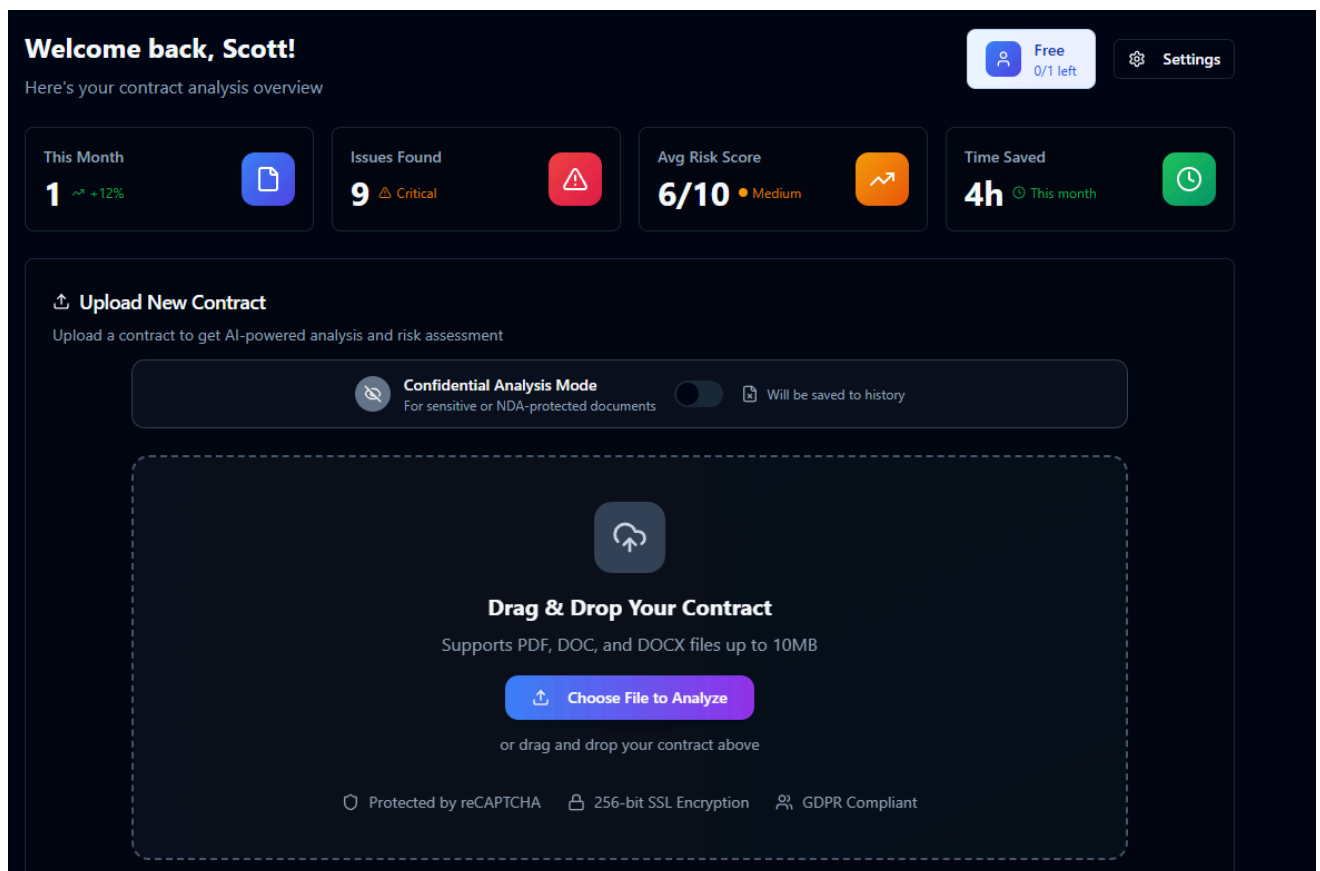# AI Contract Analyzer

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**
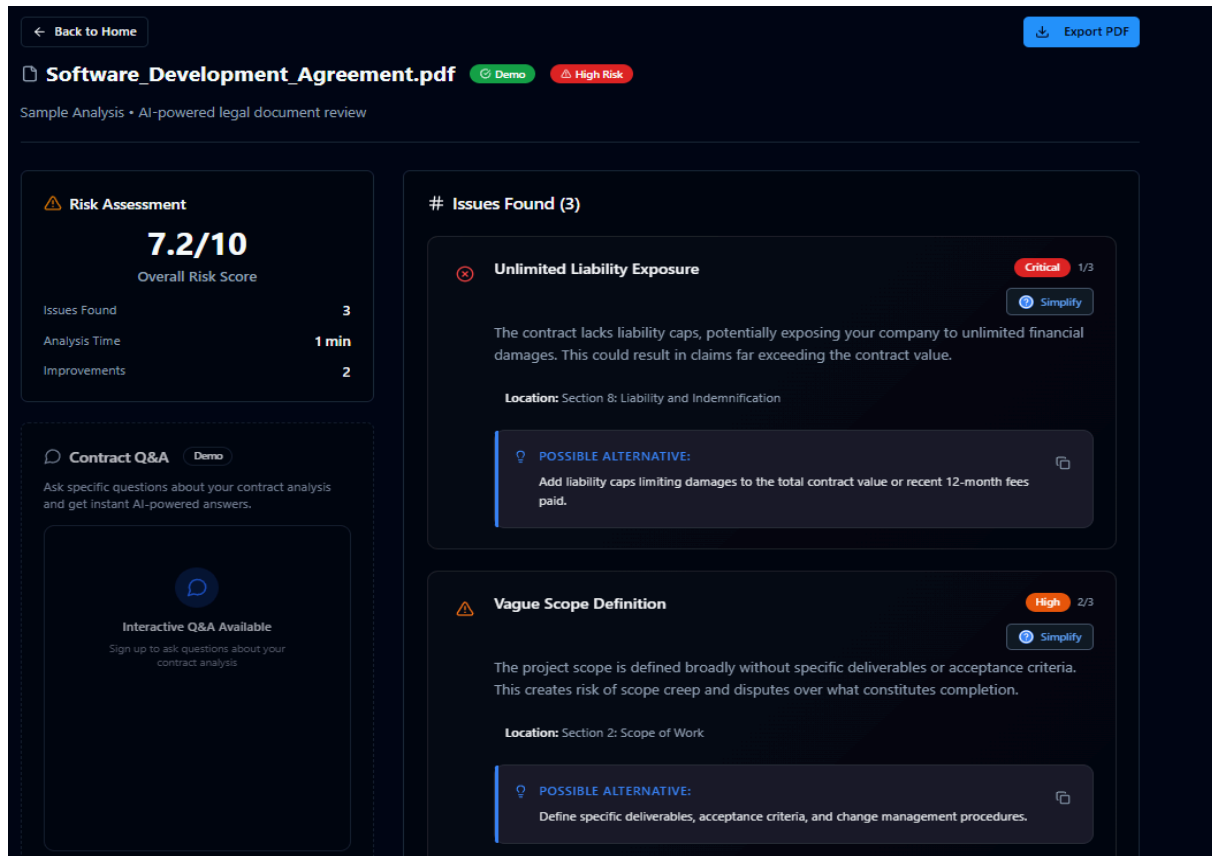- **Provide recommendations**

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

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