SRS Document

Software Requirements Specification (SRS)

Project Title: *Safeguarding Stories: AI for Intellectual Property Protection*

Problem Statement

Creators across industries face **unauthorized use**, **plagiarism**, and **theft of intellectual property**. There's a pressing need for an **intelligent, automated solution** to **safeguard stories, research, and creative content** from misuse. Current tools lack **real-time protection**, **personalized assistance**, and **efficient watermarking** capabilities tailored to creators' evolving needs.

What We Are Building

A **standalone web-based platform** that leverages **AI-powered watermarking** and a **personalized assistant** for protecting intellectual property. The solution integrates with **external datasets** and **AI APIs**, operating in a **service layer architecture** to enhance functionality, ensure **real-time document protection**, and deliver a **seamless user experience** through **3D UI models**.

Product Perspective

- **Type:** Standalone, Web-Based Solution
- **Integration:** External datasets, AI APIs, third-party services
- **Architecture:** Service Layer – interacts with databases, APIs, and edge technologies
- **Design Focus:** High-end UI/UX with **3D models** for immersive interaction
- **Operating Environment:**
    - Web Browser (Desktop/Mobile)
    - Serverless Edge Technologies (e.g., Cloudflare Workers)

- Globally Scalable

Target Users

- **Content Creators**: Writers, researchers, designers
- **Startups & SMEs**: Needing fast, reliable IP protection tools
- **Educational Institutions**: Safeguarding research & academic materials
- **Legal Teams**: Monitoring document usage and rights enforcement

---

Core Product Functions

- **AI-Powered Watermarking**: Automatically embed digital watermarks for user documents
- **Personal AI Assistant**: Tailored support for monitoring, managing, and protecting IP assets
- **Plagiarism Detection**: Cross-reference with datasets for content originality
- **Usage Alerts**: Real-time notifications of unauthorized access or duplication
- **Compliance Support**: GDPR, DMCA, ISO/IEC 27001 standards