HashiRWA — Real World Asset Tokenization for Japanese Agricultural Products

A prototype bridging Japanese agriculture to Web3

Overview

HashiRWA is a working prototype demonstrating how Japanese agricultural producers can onboard their products as real-world assets (RWA). The demo simulates the flow from producer onboarding → admin review → public marketplace → cryptographic proof of listing.

Key Features

■ Onboarding — Producers register with product, certification, harvest date, lot size.

■ Admin Review — Submissions can be approved or rejected for compliance.

■ Marketplace — Approved products are listed publicly with details.

■ Proof of Listing — Each listing generates a SHA-256 hash + downloadable JSON metadata (simulated "on-chain").

Screenshots (Visual Proof)

• Landing Page (HashiRWA title + how it works card)

• Onboarding Form (producer input fields)

• Marketplace View (approved assets with proof link)

Tech Stack

Python + Flask (backend)
JSON for data persistence (local simulation)
Minimal CSS dark theme UI

Access

GitHub Repo (code + documentation):
https://github.com/fuguswarm/hashirwa-demo

Disclaimer

This is a proof-of-concept demo. "On-chain" functionality is simulated via cryptographic hashing. A full blockchain deployment will be implemented in later phases.