Oracle Resolution Architecture – Solana Prediction Market Platform

Overview
This document outlines the oracle resolution architecture for my Solana-based prediction market platform, designed to support crypto, sports, and African FX markets.

Design Principles
The oracle system prioritizes clarity, determinism where possible, accountability, and upgradeability.

Crypto Price Markets
Resolved deterministically using on-chain price feeds such as Pyth and Chainlink.

African FX Markets
Resolved using off-chain authoritative data sources with oracle committee verification.

Football & Sports Markets
Resolved via an optimistic oracle model with human oversight and dispute handling.

Oracle Committee
Multi-sig signers provide accountable resolution, with decentralization planned over time.

Integration
Resolution logic fits cleanly into the existing Anchor and MarketService architecture.

Next Steps
Formalize dispute windows, add UI transparency, and expand oracle decentralization.