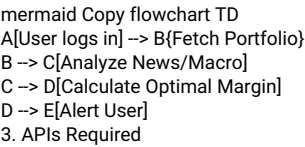


1. Objectives
- Reduce collateral over-pledging by 20-30% for HNIs.
- Integrate real-time news/sentiment into margin calculations.
- Achieve ₹3Cr ARR within 12 months.
2. Stakeholders Role Responsibility
- Brokers (ICICI/Kotak) Provide API access
- Data Scientists Train multi-model ensemble
- Traders Pilot testing (50+ HNIs)
3. Compliance & Risks
- Data Privacy: AES-256 encryption for portfolio data.
- Regulatory: Read-only access to broker systems (no SEBI approval).
- Product Requirements Document (PRD)

1. Features
- Feature Tech Stack
- Input Source News Sentiment Analyzer HuggingFace Transformer
- NewsAPI.org, Twitter Macro Impact Engine yfinance, newspaper3k
- Forex/Commodity APIs Ensemble Predictor XGBoost + LSTM
- NSE historical data
2. User Flow



python

Copy

Sample API calls

news_api = "<https://newsapi.org/v2/everything?q=trump+tariffs>"

twitter_api = "<https://api.twitter.com/2/tweets/search/recent?query=NIFTY>"