

Project Design Phase  
Solution Architecture

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Team ID	SWTID1741149767
Project Name	Crypto currency
Maximum Marks	4 Marks
Smart Wallet Id	Team 146655

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Solution Architecture:

The solution architecture for the Cryptocurrency Tracking Application ensures a scalable, efficient, and user-friendly platform for tracking real-time cryptocurrency market data, trends, and analytics.

Goals of the Solution Architecture:

- Identify the Best Tech Solution:
  - Utilize modern front-end frameworks (React.js) and APIs (RapidAPI, CoinGecko) to provide a seamless and interactive crypto market tracking experience.
- Define Structure & Characteristics:
  - Ensure a modular, scalable, and maintainable software architecture that supports future feature enhancements like AI-based price predictions and DeFi analytics.
- Outline Features & Development Phases:
  - Clearly define project milestones, including UI/UX design, API integration, database structuring, and deployment strategy.
- Establish Specifications for Development & Delivery:
  - Provide well-defined guidelines for system architecture, API integrations, data flow, and real-time data handling.

Implement a high-performance backend to support large-scale user requests without delays.

