

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	06 March 2025
Team ID	SWTID1741156716
Project Name	Crypto currency
Maximum Marks	4 Marks

TEAM LEADER
TEAM MEMBER 1
TEAM MEMBER 2
TEAM MEMBER 3

GOWTHAMI S
SELVAM S
SWARNA LAKSHMI R
FATHIMA PARVIN K

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Crypto Currencies and Discovery	Search for crypto currencies
		Top 10 crypto currencies on home page
FR-2	Price chart	You can see the price chart of specific crypto currency in it
FR-3	Admin Management	Manage Users and Accounts
		Monitor System Analytics

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The app should have an intuitive and user-friendly interface, ensuring smooth.
NFR-2	Security	API Requests must be secured. The app should prevent unauthorized .
NFR-3	Reliability	The app should ensure a consistent and uninterrupted experience, minimizing crashes and downtime.
NFR-4	Performance	Crypto currencies should load with minimal buffering. The app should respond to user interactions (search, price chart) within 2 seconds
NFR-5	Availability	The system should maintain an uptime of at least 99.9%, ensuring accessibility across different time zones.

NFR-6	Scalability	The app should handle increasing numbers of users and concurrent streams efficiently without performance degradation. The architecture should support future feature expansion.
-------	--------------------	---