

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

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| Date | 06 March 2025 |
| Team ID | SWTID1741345456147770 |
| Project Name | Cryptoverse: A Cryptocurrency Dashboard |
| Maximum Marks | 4 Marks |
| Team members and leader | HARIKRISHNAN B KANAGAVEL A SANJEEVA KUMAR S PAVIN KUMAR N RAMANAN M |

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 |

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| | | performance degradation. The architecture should support future feature expansion. |
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