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

| Date | 10 March 2025 |
|---|---|
| Team ID | SWTID1741244853149966 |
| Project Name | A Cryptocurrency Dashboard (Dashboard) |
| Maximum Marks | 4 Marks |

| | Student Name | Email Id |
|---|---|---|
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| Team Id | SWTID1741244853149966 | |
| Project Title | A Cryptocurrency Dashboard (Dashboard) | |

**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. |