**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

|  |  |
| --- | --- |
| Date | 06 March 2025 |
| Team ID | SWTID1741156497 |
| Project Name | Crypto currency |
| Maximum Marks | 4 Marks |

|  |  |
| --- | --- |
| **TEAM LEADER** | **KALAIYARASI P** |
| **TEAM MEMBER 1** | **HEMALATHA R** |
| **TEAM MEMBER 2** | **KAVIYA A** |
| **TEAM MEMBER 3** | **PRAVEEN S** |

**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. |