**Project Design Phase-II**

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

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| --- | --- |
| Date | 26.06.2025 |
| Team ID | SWUID20250170870 |
| Project Name | Freelancing Application Mern |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

**Functional Requirements – Free Lancing App**

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| **FR-1** | **User Authentication** | Create and edit user profile  Secure login and logout option |
| **FR-2** | **Post System** | Post and edit project details  (clients)  View and filter project listings (freelancers |
| **FR-3** | **Bid & Collaboration** | Submit and manage bids (freelancers) |
| **FR-4** | **Profile Management** | Real-time chat for project discussions |

**Non-functional Requirements:**

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

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| **NFR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | Usability | The platform should provide a simple, engaging UI for all user types. |
| NFR-2 | Security | All data exchanges must use encryption, with role-specific access controls and secure tokens. |
| NFR-3 | Reliability | Ensure project submissions, chats, and admin actions function consistently under load. |
| NFR-4 | Performance | Pages and actions (e.g., bid submission) should load within 2 seconds. |
| NFR-5 | Availability | The system should achieve 99.9% uptime to support continuous access. |
| NFR-6 | Scalability | Must handle increasing users and integrate new features via a modular design. |