**Project Design Phase-II**

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

|  |  |
| --- | --- |
| Date | 10-07-2025 |
| Team ID |  |
| Project Name | Social Media App |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

**Functional Requirements – Music Streaming App**

| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| --- | --- | --- |
| **FR-1** | User Authentication | Sign up, Login, Password Reset |
|  |  | OAuth login using Google / GitHub |
| **FR-2** | Posts & Stories | Create posts (text, image, video) |
|  |  | View and interact with posts (like, comment, save) |
|  |  | Upload and view stories with auto-delete after 24 hours |
| **FR-3** | Messaging | Real-time chat between users |
|  |  | Notifications for new messages |
| **FR-4** | Profile Management | Create and update user profile (pic, bio, username) |
|  |  | View other users’ profiles |
| **FR-5** | Social Interactions | Follow and unfollow users |
|  |  | Explore and discover posts and new users |

**Non-functional Requirements:**

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

| **NFR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| **NFR-1** | Usability | The platform should offer a clean, intuitive UI for users of all age groups. |
| **NFR-2** | Security | All data transfers must be encrypted. Implement role-based access and token-based authentication (JWT). |
| **NFR-3** | Reliability | Ensure posts, messaging, and stories work reliably under all conditions. |
| **NFR-4** | Performance | Pages should load within 2 seconds. Chat and post actions should be near-instant. |
| **NFR-5** | Availability | The system should maintain 99.9% uptime across all services. |
| **NFR-6** | Scalability | Should support high concurrency and rapid feature scaling with modular architecture. |