**Project Design Phase-II**

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

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| --- | --- |
| Date | 31st, March 2025 |
| Team ID | SWTID1742493942 |
| Project Name | Connectify - Social Media App |
| Maximum Marks | 2 Marks |

**Solution Requirements**

This section defines both **functional** and **non-functional** requirements for the Social Media App.

**Functional Requirements**

**User Registration/Login**

* Secure sign-up and login functionality with validation.
* Supports authentication using email and password.

**Profile Management**

* Users can create and update their personal profile with bio, profile picture, and contact details**.**

**Post Creation & Interaction**

* Users can create posts with text, images, or videos.
* Like, comment, and share functionalities for user interaction.

**Friends/Followers System**

* Follow/unfollow or friend request system depending on platform style.
* View list of friends/followers and suggestions**.**

**Real-Time Chat & Notifications**

* Users can send and receive messages in real-time.
* Notifications for likes, comments, follows, and messages.

**Search & Explore**

* Keyword-based search for users, hashtags, and posts.
* Explore trending posts and popular users**.**

**Reminders Panel**

* Users can set personal reminders for events, posts, or tasks.
* A "Reminders" section appears in the left-side panel of the interface.
* Clicking on it displays all active reminders, which users can view, edit, or delete.

**Admin Panel**

* Manage user accounts, monitor reported content, and moderate posts.

**Privacy Settings**

* Users can control who sees their posts and profile information

**Non-Functional Requirements**

**Scalability**

Should support an increasing number of users and media uploads without performance degradation.

**Security**

JWT-based authentication, password hashing (e.g., bcrypt), secure API endpoints,and file uploads.

**Availability**

Hosted using reliable cloud infrastructure with high uptime and backup systems.

**Performance**

Fast response time for loading feeds, profiles, and chats.

Asynchronous loading of images and media.

**Data Privacy & Compliance**

Follows data protection guidelines to ensure user privacy

**Cross-Platform**:

Fully responsive design for desktop and mobile