**Requirement Gathering and Analysis Phase**

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

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| Date | 22 June 2024 |
| Team ID | SWTID1719933836 |
| Project Name | Connectify |
| Maximum Marks |  |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | * Registration through Facebook * Registration through Email |
| FR-2 | User Confirmation | * Confirmation via Email * Confirmation via OTP |
| FR-3 | Login | * Login by entering the signed-up email and previously set password |
| FR-4 | Posting | * Ability to create own posts * Ability to view other posts * Ability to like on others posts * Ability to comment on others post |
| FR-5 | Direct Messaging | * Chat with other registered users * Ability to share posts to others |
| FR-6 | Friends Management | * Ability to send friend request to other users * Ability to remove added friends (if required) * Ability to block added friends (if required) |
| FR-7 | Account Management | * Ability to edit one’s own profile (changing profile picture, adding a bio etc) * Ability to change between a public and private account type * Ability to delete/sign out of account |

**Non-functional Requirements:**

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The platform should guarantee that it has a user-friendly interference allowing all type of users to easily utilise the platform. The following are basic functionalities that may enhance users experience when using the website:   * Simple Navigation * Consistent design * Responsive Designs * Fast Load Times * Feedback Mechanisms * Customizable profiles * Help center * Privacy settings * Regular updates |
| NFR-2 | **Security** | All users' privacy and data security must be guaranteed by the platform. This covers:   * Public/Private account * Safe user authentication (initial confirmation mail, password authentication) |
| NFR-3 | **Reliability** | A high degree of reliability should be offered by the platform, guaranteeing less downtime and prompt problem-solving. This entails reliable error handling, consistent uptime, and data loss prevention backup systems. |
| NFR-4 | **Performance** | The platform needs to function well under a range of demands to guarantee rapid response times, seamless scrolling, and quick load times. This includes managing databases effectively, handling large levels of traffic with scalable infrastructure, and optimising server performance. |
| NFR-5 | **Availability** | Any one with the URL can access the website, al the functionalities can be accessed by users once they create an account in the platform. |
| NFR-6 | **Scalability** | Scalability is critical in the context of social media platforms so that they can effectively handle an increasing volume of users, data, and interactions without sacrificing user experience or performance. The following features increases durability for a platform:   * Robust infrastructure * High availability * Efficient data management |