## Requirement Gathering and Analysis Phase
### Solution Requirements (Functional & Non-functional)

| Date | 04 July 2024 |
|---|---|
| Team ID | SWTID1720101616 |
| Project Name | Project - Video Sharing App MERN |
| Maximum Marks | |

## Functional Requirements:

Following are the functional requirements of the proposed solution:

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|---|---|---|
| FR-1 | User Registration | Registration through Form Registration through Gmail Registration through LinkedIn |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Video Upload and Management | Upload Video Edit Video Details Delete Video |
| FR-4 | Video Playback and Streaming | Stream Videos Like and Comment on Videos Share Videos |
| FR-5 | User Profile Management | View Profile Edit Profile Delete Account |
| FR-6 | Search Functionality | Search Videos Search Users |
| FR-7 | Notification System | Email Notifications Push Notifications In-App Notifications |

## 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 easy-to-use interface that enhances user experience. |
| NFR-2 | Security | Implement secure authentication and protect user data from unauthorized access and breaches. |
| NFR-3 | Reliability | The app should function correctly under expected conditions and handle errors gracefully. |
| NFR-4 | Performance | Ensure fast loading times and efficient video upload and playback performance. |
| NFR-5 | Availability | The app should be accessible at all times with minimal downtime, ensuring high availability. |
| NFR-6 | Scalability | The app should be able to handle an increasing number of users and videos without performance degradation. |
| NFR-7 | Maintainability | The app should be easy to maintain and update, with clear documentation and modular code structure. |