Project Design Phase-II

# Solution Requirements (Functional & Non-functional)

Date: 26-05-2025

Project Name: Video Conferencing App

Maximum Marks: 4 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 Authentication | Sign up, Login, Password Reset OAuth login using Google / GitHub |
| FR-2 | Room Management | Create a room Join a room via ID or link |
| FR-3 | Media Controls | Toggle audio/video Screen sharing |
| FR-4 | Chat & Messaging | Real-time chat during call |
| FR-5 | Recording | Start/Stop recording Download recording |

## Non-functional Requirements:

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

|  |  |
| --- | --- |
| NFR No. | Description |
| NFR-1 | Usability - Clean, intuitive UI for users. |
| NFR-2 | Security - Encrypted media/data transfer, role-based access. |
| NFR-3 | Reliability - Should handle network drops and reconnects smoothly. |
| NFR-4 | Performance - Join/leave rooms under 2 seconds, low latency. |
| NFR-5 | Availability - Maintain 99.9% uptime. |
| NFR-6 | Scalability - Support hundreds of concurrent rooms. |