**Functional Requirements List - Final – Group2**

**Git Link :** [Functional Requirements List ‐ Final · Tejaswireddyallam/GDPFall2024-Group2 Wiki](https://github.com/Tejaswireddyallam/GDPFall2024-Group2/wiki/Functional-Requirements-List-%E2%80%90-Final)

**Project Title : Telemedicine Application**

**Telemedicine Application :** It mainly aims to enhance telemedicine efficiency by integrating consultations, prescriptions, and medical records into a unified application, improving access, management, and security.

**The system MUST**

* The system MUST register users as a patient or a doctor.
* The system MUST allow patients to update personal details.
* The system MUST allows doctors to update qualifications, specialty, availability, and contact information.
* The system MUST allow users to log in using registered credentials.
* The system MUST allow patients to view available doctors and book appointments.
* The system MUST allow patients to cancel or reschedule appointments.
* The system MUST allow users to search doctors by name, specialization.
* The system MUST allow doctors to manage their availability and confirm, cancel or reschedule appointments.
* The system MUST allow patients to receive confirmation and reminders.
* The system MUST allow patients and doctors to view past and upcoming appointments.
* The system MUST have real-time video and audio communication between patient and doctor.
* The system MUST allow doctors to send prescriptions.
* The system MUST allow users to view and download prescriptions/reports and upload reports/prescriptions.
* The system MUST show list of pharmacies.
* The system MUST store medical records securely and allow users to access them as needed.

**The system SHOULD**

* The system SHOULD include pharmacy integration.
* The system SHOULD allow patients to pay consultation fees through integrated payment gateways.
* The system SHOULD allow patients to input insurance details and check Coverage.
* The system SHOULD have In-app access to frequently asked questions and support articles.

**The system MAY**

* The system MAY include additional features like multimedia messaging or in-app voice notes.
* The system MAY have advanced features like integration with other healthcare systems or detailed records management.
* The system MAY have insurance verification and claims.
* The system MAY have general feedback on the app experience.

**The system MUST NOT**

* The system MUST NOT allow any practices that involve exposing patient data or failing to anonymize sensitive data for analytics.
* The system MUST NOT allow any features or practices that allow unauthorized access to sensitive user data.
* The system MUST NOT allow any form of data transmission that is not encrypted.