**List of Proposed Prototypes Iteration 2**

**Link :** [List of Proposed Prototypes Iteration 2 · Tejaswireddyallam/GDPFall2024-Group2 Wiki](https://github.com/Tejaswireddyallam/GDPFall2024-Group2/wiki/List-of-Proposed-Prototypes-Iteration-2)

**Project Title : Telemedicine Application**

**Prototype 1: User Login**

**Description :** The user login screen is the entry point for all users of the telemedicine application. It offers a simple, intuitive interface that allows users to securely log in based on their role, whether they are a patient or a doctor.  
**Features :**

* Users can select whether they are logging in as a patient or a doctor.
* Login requires registered credentials: email and password.
* Users can recover their accounts by using a "Forgot Password" link that leads to password recovery via email or OTP.
* Below the login fields, a “Sign Up” button is available for new users. The button takes new users to the registration page, where they can register as either a patient or doctor.

**Prototype 2: New User Registration**

**Description :** The New User Registration page allows new users to create an account in the telemedicine application. The page offers separate registration options for patients and doctors, ensuring that each user type inputs the relevant information.  
**Features :**

* The page offers users a choice to register as either a patient or a doctor. Depending on the selection, the form fields are dynamically tailored to gather relevant information for the respective user.
* Patients can manage their profile by adding data in fields like full name, age, gender, contact number, email, and address.
* Doctors provide details such as full name, contact info, email, qualifications, specialty, and years of experience.
* An optional section allows doctors to set their availability schedule during registration.
* Doctors has a section for uploading documents (certifications, licenses, etc.) for verification purposes.
* Users are prompted to create a secure password.

**Prototype 3: Professional Dashboard (Main Home Page)**

**Description :** The Professional Dashboard serves as the central hub for both patients and doctors once they log in to the telemedicine application. The dashboard is designed with easy navigation and key features accessible through prominent icons, enabling users to quickly schedule appointments, initiate video consultations, manage prescriptions, and update profile settings.  
**Features :**

* Appointment Scheduling: View, book, or manage appointments.
* Video Consultation: Join or initiate real-time audio/video consultations.
* Prescriptions: View, download, and upload prescriptions or reports.
* Medical Records Management: Access, upload, and manage medical records, including lab reports, diagnostic images.
* Settings: Update personal or professional information.
* Secure Messaging Platform: Allows encrypted communication between patients and doctors for consultations, follow-up questions, or clarifications.
* Pharmacy details: It will have some list of pharmacies.

**Prototype 4: Doctor Search and Appointment Booking**

**Description :** It has doctor search, appointment booking, and appointment management functionalities into one streamlined system for both patients and doctors.  
**Features :**

* Patients can search for doctors based on criteria like name, specialization, location, and languages spoken.
* Patients can browse doctors, view available time slots, and schedule appointments.
* Patients have access to a list of past and upcoming appointments.
* Patients have options to cancel or reschedule appointments with just a few clicks.
* Doctors manage their schedule through a calendar interface, where they can confirm, reschedule, or cancel appointments.
* Automated email/SMS notifications for appointment confirmations, cancellations, and reminders are sent to both patients and doctors.

**Prototype 5: Real-Time Video and Audio Consultation**

**Description :** The Real-Time Video and Audio Consultation feature enables secure and seamless telemedicine consultations between patients and doctors, offering high-quality video and audio communication within the application.  
**Features :**

* The system automatically checks for any upcoming or ongoing appointments.If an appointment exists, the user is prompted with a "Join Call" button.If no appointment is found, the user receives a notification with an option to schedule an appointment or return to the dashboard.
* For both patients and doctors, a confirmation pop-up appears showing details of the scheduled appointment (e.g., doctor/patient name, time, and type of consultation).
* Doctors can access the patient’s medical history, test results, or past consultations during the session, improving diagnostic accuracy.

**Prototype 6: Prescription Management**

**Description :** The Prescription Management feature allows doctors to generate and send digital prescriptions to patients after consultations, and patients can view, download, and manage their prescriptions. This feature ensures smooth handling of medical prescriptions within the telemedicine platform.  
**Features :**

* After completing a video or in-person consultation, doctors can quickly generate a digital prescription.
* Doctors can save, edit, or immediately send the prescription to the patient.
* Patients can view past and recent prescriptions in their account under the Prescriptions tab. They have the option to download prescriptions as a PDF or share them directly with pharmacies.
* Patients can upload previous prescriptions or external reports received from other doctors.
* Patients receive a notification (in-app, email, or SMS) whenever a new prescription is generated and ready for review.
* In cases where the system integrates with pharmacies, patients can directly send prescriptions to a connected pharmacy for fulfillment.

**Prototype 7: Medical Records Management**

**Description :** The Medical Records Management feature allows patients and doctors to securely store, access, and manage medical records within the telemedicine application. It provides centralized access to important health data, ensuring easy retrieval during consultations and maintaining continuity of care.  
**Features :**

* Stores a comprehensive collection of medical data, including lab reports, diagnostic images, consultation notes, and more.
* Organizes records by type (e.g., lab reports, consultations) and date.
* Allows access to all medical records during consultations for informed decision-making.
* Patients can upload, view, and manage their entire medical history, including but not limited to prescriptions.
* Doctors can access, update, and manage all types of medical records.

**Prototype 8: Settings page**

**Description :** The Settings Page provides users with options to manage their personal information, customize their notification preferences, adjust privacy settings, seek help, and log out of the application. It offers a centralized location for users to control various aspects of their account and app experience.  
**Features :**

* Patients and Doctors can update their profile (personal details such as name, contact information, address, and profile picture).
* Users can update their account password through a secure interface, with prompts to enter the current and new password.
* A summary of the current account information is displayed, including contact details and any relevant professional credentials for doctors.
* Users can customize their notification settings to choose which alerts they receive (e.g., appointment reminders, prescription updates, new messages).
* Access to a help center with FAQs, support articles, and contact options for customer support.
* A logout button allows users to securely exit their account.

**Prototype 9: Pharmacy Directory**

**Description :** The Pharmacy Directory provides users with a centralized list of nearby or affiliated pharmacies within the telemedicine application. This feature is designed by enabling users to easily find and connect with pharmacies based on their location and service options.  
**Features :**

* Patients can search for pharmacies by name, location, or proximity to their address.
* Each pharmacy listing provides essential details such as name, contact information, address, and operating hours.
* Users can see specific services offered by each pharmacy, including prescription delivery, refill options, and any other telemedicine-compatible services.