**Users and user categories:**

1. **Patients**: focus on rural or underserved communities where access to traditional healthcare facilities is limited.
2. **Healthcare Providers:**

* Licensed medical professionals who offer their services through the TeleMediCare platform
* These may include general practitioners, specialists, nurses, psychologists, and other healthcare professionals.
* They conduct virtual consultations with patients, diagnose medical conditions, prescribe medications, and provide medical advice.

1. **Payers:**

* Payers include insurance companies, government agencies, or any other organizations responsible for reimbursing or covering the cost of telemedicine services provided through TeleMediCare.
* Payers play a vital role in enabling patients to access healthcare services and ensuring healthcare providers receive compensation for their services.

1. **TeleMediCare Employees and Administrators**:

* Responsible for managing and operating the TeleMediCare platform.
* They oversee the platform's day-to-day operations, handle technical support, manage user accounts, ensure compliance with regulations, and handle administrative tasks.

1. **Regulatory Bodies:**

* Regulatory bodies are government agencies responsible for overseeing and regulating telemedicine services in the region where TeleMediCare operates.
* They set guidelines, standards, and policies for telemedicine operations, ensuring patient safety, data privacy, and adherence to healthcare regulations.

1. Patient logs/ history

**Functional Requirements:**

1. **Patients**:
2. **User Registration:** Patients should be able to create accounts on the platform, providing necessary personal information and medical history.
3. **Appointment Scheduling:** Patients should have the ability to schedule virtual appointments with healthcare providers based on their availability and specialty. Patients should be able to upload their medical records.
4. **Virtual Consultations:** Patients should be able to initiate and participate in secure video consultations with healthcare providers through the platform.
5. **Medical Records Access:** Patients should have access to their electronic health records, including past consultations, prescriptions, and medical test results.
6. **Prescription and Referral Management:** Patients should be able to receive electronic prescriptions and referrals through the platform for medications or further medical care.
7. **Secure Communication(Messaging):** Patients should have a secure messaging system to communicate with healthcare providers for follow-up questions or non-urgent inquiries.
8. **Healthcare Providers**:
9. **Profile Creation**: Healthcare providers should be able to create professional profiles on the platform, specifying their specialties and credentials.
10. **Appointment Management**: Healthcare providers should be able to view and manage their appointment schedules and reschedule or cancel appointments when needed.
11. **Virtual Consultations**: Healthcare providers should have access to a reliable and secure video conferencing system for conducting virtual consultations with patients.
12. **Medical Record Access**: Healthcare providers should be able to access patients' electronic health records to review medical history and make informed decisions during consultations.
13. **Prescription and Referral Issuing**: Healthcare providers should be able to issue electronic prescriptions and referrals to patients as required.
14. **Telemedicine Support**: Healthcare providers should have access to technical support for any telemedicine-related issues they may encounter during consultations.
15. **Payers**:
    1. **Payment Processing**: Payers should be able to process payments for telemedicine services provided by healthcare providers and reimburse them accordingly.
    2. **Claims Management**: Payers should have a system to handle and process reimbursement claims submitted by healthcare providers for telemedicine services rendered to patients.
16. **TeleMediCare Employees and Administrators:**
17. **User Account Management:** Employees and administrators should have the ability to manage user accounts, including patient and healthcare provider profiles.
18. **Technical Support:** Employees and administrators should provide technical support to users, assisting with any platform-related issues.
19. **Compliance Monitoring:** Employees and administrators should monitor and ensure adherence to regulatory guidelines and privacy policies to protect patient data and maintain compliance.
20. **Regulatory Bodies:**
21. **Data Compliance and Privacy:** The platform should comply with all data protection and privacy regulations set by regulatory bodies to ensure patient information is secure.
22. **Audit Trail**: The platform should maintain an audit trail of user activities and transactions to comply with regulatory requirements and facilitate any audits if necessary.

List of APIs

* Registration
  + UserId
  + Name
  + Username
  + Email address
  + Phone
  + Password
  + Confirm Password
  + User Image
* Login
  + Email Address
  + Password
* Doctor List
  + DoctorId
  + List of
  + Image\_link
  + Name
  + Specialist
  + Qualification
  + Certification
  + Education
  + Description
  + Availability
* Appointment
  + Name
  + Email
  + Phone
  + Date
  + Time
  + Message
  + Doctor\_Id
* Appointment(UserId)
  + Doctor\_id
  + Date
  + Time
  + Status
* Prescriptions(userId)
  + Date
  + Name
  + Created By
* UserDetailsUpdate
  + Name
  + Username
  + Email address
  + Phone
  + User Image
* UserMedicalRecords(userId)
  + recordId
  + date
  + topic
  + description
  + doctorId

doctorsList = [

{

id: 1,

name : 'Dr. Johnson Melbourne',

specialist : 'Prosthodontics Dentist',

image: 'doctor-1.jpg',

qualification: 'MDS, BDS - Periodontology and Oral Implantology, 5 Years Experience',

certification: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

education: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

description:'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.'

},

{

id: 2,

name : 'Dr. Ena Dicrosa',

specialist : 'Aesthetic Dentistry',

image: 'doctor-2.jpg',

qualification: 'MDS, BDS - Periodontology and Oral Implantology, 5 Years Experience',

certification: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

education: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

description:'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.'

},

{

id: 3,

name : 'Dr. Addison Smith',

specialist : 'Gastroenterologists',

image: 'doctor-3.jpg',

qualification: 'MDS, BDS - Periodontology and Oral Implantology, 5 Years Experience',

certification: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

education: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

description:'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.'

},

{

id: 4,

name : 'Dr. Daisy Gabriela',

specialist : 'Endocrinologists',

image: 'doctor-4.jpg',

qualification: 'MDS, BDS - Periodontology and Oral Implantology, 5 Years Experience',

certification: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

education: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

description:'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.'

},

{

id: 5,

name : 'Dr. Ronnie Aaron',

specialist : 'Dermatologists',

image: 'doctor-5.jpg',

qualification: 'MDS, BDS - Periodontology and Oral Implantology, 5 Years Experience',

certification: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

education: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

description:'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.'

},

{

id: 6,

name : 'Dr. Edie Dee',

specialist : 'Cardiologists',

image: 'doctor-6.jpg',

qualification: 'MDS, BDS - Periodontology and Oral Implantology, 5 Years Experience',

certification: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

education: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

description:'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.'

},

{

id: 7,

name : 'Dr. Sarah Taylor',

specialist : 'Prosthodontics Dentist',

image: 'doctor-7.jpg',

qualification: 'MDS, BDS - Periodontology and Oral Implantology, 5 Years Experience',

certification: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

education: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

description:'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.'

},

{ id: 8,

name : 'Dr. Aiken Ward',

specialist : 'Aesthetic Dentistry',

image: 'doctor-8.jpg',

qualification: 'MDS, BDS - Periodontology and Oral Implantology, 5 Years Experience',

certification: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

education: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

description:'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.'

},

{

id: 9,

name : 'Dr. Babatunde Jon',

specialist : 'Gastroenterologists',

image: 'doctor-9.jpg',

qualification: 'MDS, BDS - Periodontology and Oral Implantology, 5 Years Experience',

certification: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

education: 'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna.',

description:'Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.'

},

];