

ECareHealth is a robust and comprehensive healthcare management system designed to streamline communication and appointment processes between patients, doctors, and administrators. The system incorporates cutting-edge technologies such as NodeJS, Express, Prisma, WEB RTC (via Agora.io), and PostgreSQL for efficient and secure data management.

2. User Role and Functionalities:

2.1 Admin Functionalities

- Admin can manage doctor appointment
- Admin can manage schedule
 - Admin can manage also doctor schedule
- Admin can control user (doctor and patient) management.
- Admin can access Doctor info .

2.2 Doctor Functionalities

- Doctor can take appointment
- Doctor can set appointment schedule
- Doctor can access patient profile
- Doctor can generate prescription (edit,create,send to patient)

2.3 Patient Functionality

- Patient can book doctor appointment
- Patient can add medical info
- Patients can manage his profile
- Patient can review to the doctor after appointment complete
- Patient can access his prescription
- Payment and confirmation
 - Patients can make payments for the appointment through available payment methods.
 - After booking an appointment, the patient must complete the payment within **30 minutes** to confirm the appointment.

2.4 Video Consultation

- Patients can join a video call with the doctor for remote consultations, either during the scheduled appointment time or as part of the appointment confirmation process.