PROJECT PROPOSAL

**Project**: QuickHealZ

**Group No**: 6

**Github Repository**: <https://github.com/sairamsreejith0/QuickHealz.git>

1. **Project Title**: QuickHealZ

* This project is typically an Online Consultation and Pharmacy application that involves features like Online Consultation, Scheduling appointment, Pharmacy services, Health Records, Medication reminders, Electronic prescriptions, Refill management, Patient education, Mobile Payment Integration and Multilingual support.
* The intention behind the title is to convey the Rapid(Quick) Treatment(Heal) services that this application intend to provide and since it’s a Generation-Z application in this time of development age, Z is used in the title at the end. The colors used in title are the chosen theme for the application which also signify the colors of Healthcare Industry.

1. **Team Members:**

* Nitin Narayanan Kokkoori
* Venkata Sairam Nagilla
* Phaneendra Prasad Palanki
* Lokesh Dacharla

1. **Motivation:**

* The COVID-19 pandemic has left a severe impact on the lives of millions of people all over the world and that is when teleconsultation and telemedicine has come into picture on a large scale.
* The pandemic has highlighted the importance of online pharmacy services. People are now looking for efficient ways to consult the healthcare professionals and receive the medication without even having to move from their homes.
* This project aims to be a one-stop solution for people to meet the mentioned needs, give an entire pharmacy service ecosystem along with consultation, electronic prescriptions and rapid services all online.

1. **Significance:**

* This application can potentially show a revolutionary impact in the healthcare service operations by making the services more accessible, convenient and rapid.
* It can bridge the gap between patients and healthcare professionals to a great extent especially in remote areas where the services are not rapid or lack of stores and clinics nearby.
* There’s an old saying that goes like “Prevention is better than Cure” and online services are the perfect example for the implementation of that slogan. This application can also improve patient outcomes by providing easy access to medication and healthcare services, leading to better disease management and prevention.

1. **Objectives:**

The objective of this project is to provide rapid and efficient healthcare services to people by:

* Offering online consultation services with healthcare professionals.
* Providing electronic prescriptions
* Efficient medication delivery services.
* Offering patient education resources to help patients better understand their health conditions.
* Providing medication reminders on regular intervals.
* Refill management services to improve patient adherence to prescribed medication.
* Increase access to healthcare services, particularly in remote areas where access is limited.
* Enhance the overall patient experience and satisfaction with healthcare services.
* Ensuring the privacy and security of patient information.

1. **Features**

* Online Consultation: Patients can consult the healthcare professionals through video or text-chat and get the basic understanding of the health status to know whether a physical consultation is needed or not
* Appointment Scheduling: Patients can schedule appointments with the healthcare professionals for in-person consultation.
* Pharmacy Services: Patients can order medications and can get them delivered to their home or specified locations.
* Health Records: Patients can access and manage their health records.
* Medication Reminders: Reminders are set automatically once the medication tenure is set for the patient by the application or by the user. \*The new feature that works in relation with this is the feasibility to add a maximum of 3 users as care-takers for the patient who will also get the reminders of medication for the concerned patient.\*
* Electronic Prescriptions: Healthcare professionals can issue the prescriptions to the desired pharmacy of the customer thereby reducing the paper usage or that can just be issued to the customer.
* Refill management: Patients can request prescription refills and have them delivered to their homes.
* Patient education: Patients can access educational resources to learn about their health conditions and medications.
* Mobile Payment Integration: Patients can pay for services through the application.
* Multilingual support: The application supports multiple languages to cater to a diverse range of patients.

1. **References**

* Center for Connected Health Policy. (2020), Telehealth policy. <https://www.cchpca.org/telehealth-policy>
* National Center for Biotechnology Information. (2020). Telemedicine: A guide to assessing telecommunications in health care. <https://www.ncbi.nlm.nih.gov/books/NBK436767/>.
* World Health Organization. (2019). Digital health. Retrieved from <https://www.who.int/health-topics/digital-health#.X9Nn-wcwCdM.link>.
* John Hopkins Medicine – Benefits of Telemedicine <https://www.hopkinsmedicine.org/health/treatment-tests-and-therapies/Benefits-of-Telemedicine>