Team Zero || Homehack || Medico app

Link to our app prototype: https://xd.adobe.com/view/5162ff26-25b3-4ef3-5bd3-7d1ec7e6a60f-2753/screen/53c1b2ef-e796-43a8-891b-eae7b767967c/iPhone-X-XS-11-Pro-2?fullscreen

About our app

      With the harrowing COVID-19 being the matter of the moment, it has been proven difficult for patients with minor health difficulties to approach medical centers and hospitals for consultation. At this hour of anxiety, we engineering aspirants are trying to lend our hands by developing an application to provide a rostrum for patients to connect with the doctors and attain felicitous medical services.

We chose this track since being first-year engineering students having no much idea and knowledge regarding programming and programming languages, we thought it would wise of us to express our idea of an app using UI/UX prototyping in Adobe XD.

Some of the good features we could think of including in our app are:

- Since medical assistants and doctors are caught up with severe Corona affected patients at the hospitals, they could look up to the symptoms registered in the app and can schedule a call, video call or appointments accordingly as they find the time.
- If the app attains patients on wide-reaching numbers, we can group cases with similar symptoms and age groups since the doctors can make use of their time efficiently.
- Since crowds are restricted everywhere in the nation, we can manage the crowds at the consultation period as we can schedule appointments at a specific time while making use of the app.
- The app could be made more interactive with the patients if the symptoms were asked through recorded voice assists.
- A distinctive alternative must be provided to patients at home to self-examine the symptoms of Covid-19 by the means of an online questionnaire.

These are some of the distinct features that makes our app unique in such emergency situations.

As this app is purely developed for emergency situations, it would not be possible for it to provide the medical services that are attained by one at the hospital like recording and checking blood pressure level, heart rate and body temperature of the patients
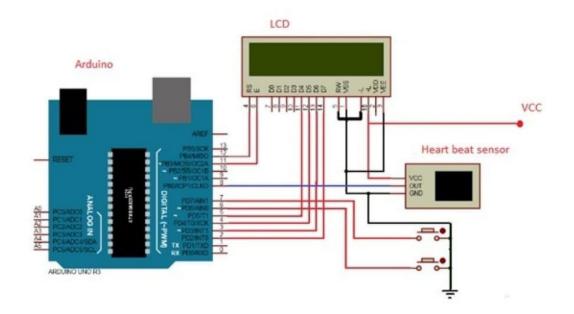
At the clock of nationwide pandemic, we aim to provide free medical assistance to the citizens by collaborating with government hospitals and medical centers. But in a long run, this app can be partnered with private sectored medical centers and can be converted into a mode of revenue. In case of long term use we are trying to contrive an Arduino based device that records the patient's heart rate, blood pressure and body temperature attributes and integrate with the application via Bluetooth.

This app can be brought into play predominantly in hospitals to enforce crowd management and avoid queue system

Hardware:

If our application goes on for a long run, we decided to create an Arduino based project to check the Heart rate and blood pressure of the person and implement these details into the application and thus the doctor would get these details up to date. This project would be made cheaply as possible and due to the lockdown situation we were unable to obtain the necessary components for our project, our project will be help full during these pandemic in which people hesitate to go out and helps the doctor check the vitals without actual contact.

Circuit diagram:

Our application screenshots are given below:

Medico
Your Medical Assistant

SIGN UP

LOG IN

or

G SIGN UP USING GOOGLE

Wash hands frequently with soap and water or use a sanitiser gel

Welcome back

You can log in with your user name and password

👤 username

🔒 password

Log in

To sign up as a doctor click here

Medico

Profile

Hridya Harikumar

Registered symptoms ⓘ

1. Stomach ache
   15/03/2020 🟢

2. Head ache
   25/03/2020 🔴

Start symptom assessment

Lets start with the symptom that's troubling you the most.

eg : headache ⌄

Head ache

Profile

Hridya Harikumar

Basic info ✎

Name : Hridya Harikumar
Age : 19
Gender : Female
Place : Kochi
Smoker : No
Alcoholic : No
BP : No ⓘ
Diabetic : No

Profile

Hridya Harikumar

Registered symptoms ⓘ

1. Stomach ache
   15/03/2020 🟢

2. Head ache
   25/03/2020 🔴

Start symptom assessment

Lets start with the symptom that's troubling you the most.

eg : headache ⌄

Lets start with the symptom that's troubling you the most.

Head ache ⌄

1.How long has this been troubling you?
- less than 1 day
- one day to one week
- one week to one month
- one month to one year
- more than a year

2.Is head ache manly located on one side or both sides of head?
- one side
- both sides

3.How would you describe the intensity your head ache?
- mild
- moderate
- severe

4.Did you suffer a head or neck injury before your first symptom occurred?
- yes
- no

Your response has been successfully summited .
You will be notified as soon as a medical
assistant attends your illness.

Dr. Nihal

Basic info

Name   : Dr. Nihal
Age   : 30
Gender   : Male
Place   : Kochi
Specialisation : General medicine
Work place : Govt Medical College , Kochi
Experience : 3 years

Start Consultation

Dr. Nihal

Your appointments

You have no appointments

1.Hridya Harikumar
Symptom : Head ache

Date : 25/03/2020   Time : 10:00am

Smoker   :   No
Alcoholic :   No
BP   :   No
Diabetic :   No

Hridya Harikumar
19
Female

Main Symptom :   Head ache

1.How long has this been troubling you?

less than 1 day
one day to one week
one week to one month
one month to one year
more than a year

2.Is head ache manly located on one
side or both sides of head?

one side
both sides

3.How would you describe the intensity
your head ache?

mild
moderate
severe

4.Did you suffer a head or neck injury
before your first symptom occurred?

Your response has been successfully summited .