

INTERNET AND WEB PROGRAMMING

J-COMPONENT

REVIEW – 1

TEAM MEMBERS:

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TITLE: Reducing the exposure of non-COVID patients

Abstract:

The growth of Covid patients in India in second wave was exponential and the no. of deaths was also increasing and there is no way to stop the widespread of the virus other than by staying at home. In the second wave Since, the hospitals were filled with Covid patients thus, a non-COVID patient has a huge exposure to COVID in any hospital, on the other hand as we saw in the second wave, the hospital was full with patients and lack of availability of hospital beds.

The aim of this project is to solve the issue for both sides of the problem by limiting the time, for a patient to stay inside the hospital, to as low as possible

PROBLEM STATEMENT:

The second wave of COVID was a dangerous one, there was a lack of hospital beds and the resources were not enough to treat everyone. The second wave is a huge lesson for us to prepare for the third wave.

HOSPITAL PROBLEM:

The major problem in the second wave was lack of hospital bed because of which they faced huge problem in giving proper treatment to all the patients.

PATIENT PROBLEM:

Most of the hospitals were filled with Covid patients thus, a non-COVID patient has a huge exposure to COVID in any hospital, so the longer they stay at the hospital the higher are the chances for them to catch COVID.

Lack of DOCTOR's:

Since the COVID is highly communicable, many of the doctors catch COVID while treating them as a result of which we have seen that many doctors were avoiding to treat patients for their safety. Due to which there was lack of doctors as well.

SOLUTION:

The Solution is to reduce the time for the non-Covid patients to stay inside the hospital, to as low as possible. Since, they will be staying inside the hospital for lesser time so the crowd inside the hospital will also reduce and their exposure to COVID inside the hospital will drastically reduce. And since the interaction time between the patient and doctor will be very minimal therefore doctor will also not hesitate meeting the patient.

REASON FOR CHOOSING THIS TOPIC:

The major reason for choosing this topic is upcoming third wave of COVID, many researchers have predicted that a third wave is yet to come and as we have seen in second wave, the situation of our country was not good, there were huge number of deaths and the pressure on hospitals was also very high. Not only the COVID patients, but the non-COVID patients also suffered a lot.

The second wave is a huge learning for us and we don't want situation to be this bad in third wave.

IDEA:

In this website, patients can login to their account and can directly consult about their problems to management staff. The management staff will then allocate a doctor to the patient based on his/her symptoms.

The patient will then message to the doctor and send him all of his/her problems. The doctor may give some medical test for patient.

Patient has to go to hospital once and there, staff will take all the requested tests of the patient. As soon as the tests are done the patients are supposed to leave the hospital and the reports of the test will be send to them online by the management, so there is no need for the patient to go to hospital to collect their reports.

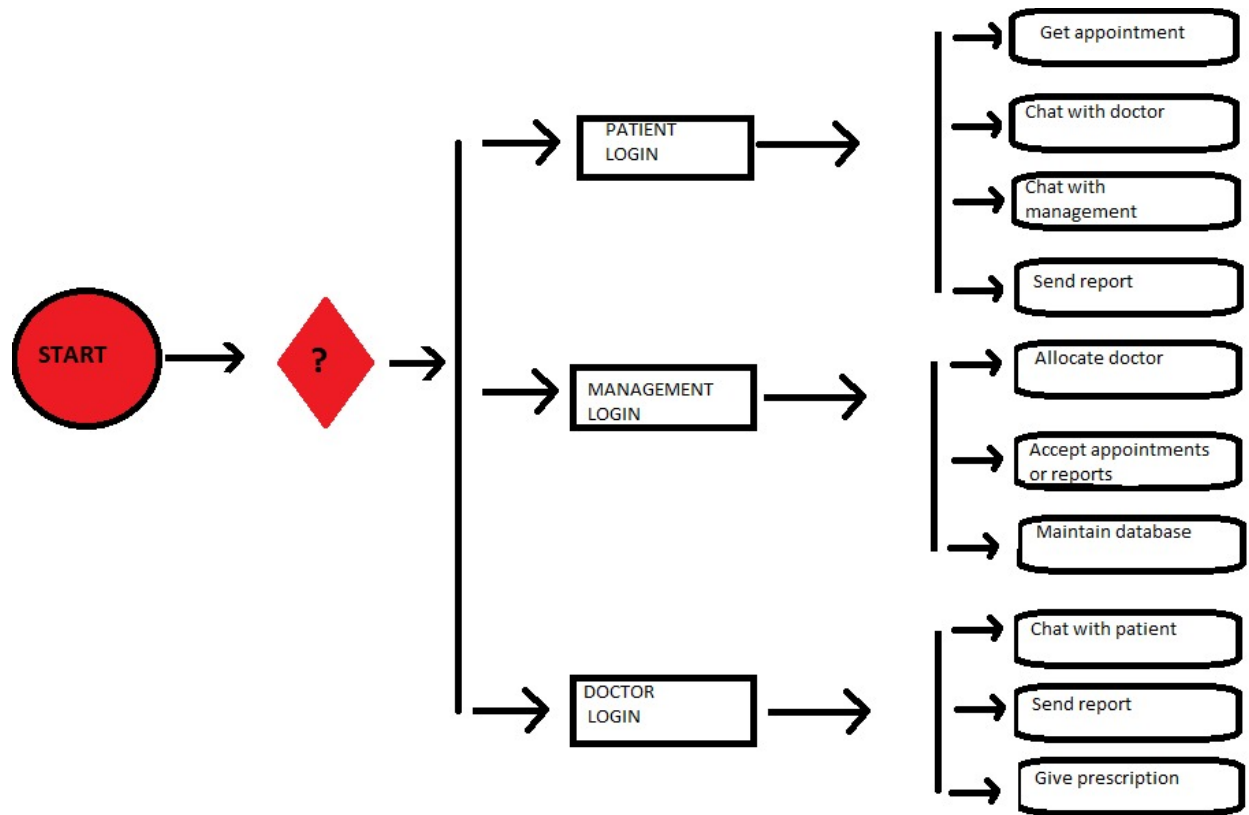
Once the reports are received by patient, he needs to send it to the doctor. The doctor will go through the report and give him a prescription.

In the case of emergency Doctor will report it to the management team and the management team will arrange a room and ask the patient to report to the hospital as soon as possible.

If the doctor is not responding to the patient or patient is having any kind of problem with the doctor, he can send his complain to the management team. The management team will have the access to see all the doctor's and patient's page, he can see how the doctor is dealing with a patient and how patient is communicating with the doctor. Based on the patient's complain management team will look into the matter and will take necessary actions. The management team can create, remove or edit any doctor.

In this way patient have to go to the hospital for as minimum time as possible and hence it will significantly reduce the exposure of non-COVID patient and there will be a better crowd management in the hospital

PROCESS FLOW DIAGRAM:



MODULES:

- Login System for patients, Doctor and Management.
- Patient can chat with Management Team and tell him his problems.
- Management Team allocates patient a doctor.
- Patient can chat with doctor and tell him all his problems in chat.
- Doctor can respond to all the queries of the patients and can ask them for all the tests that he needs to analyze the problem.
- Management team can send the test results to the patient online.
- Patient can send the reports to doctor. and they can discuss about the report and Doctor will give him the prescription.
- If the patient needs to be admitted the doctor can ask management team to arrange a room for the patient and the team will also message the patient to come to hospital
- Patient can complain if the doctor is not responding

SCREENSHOTS:

