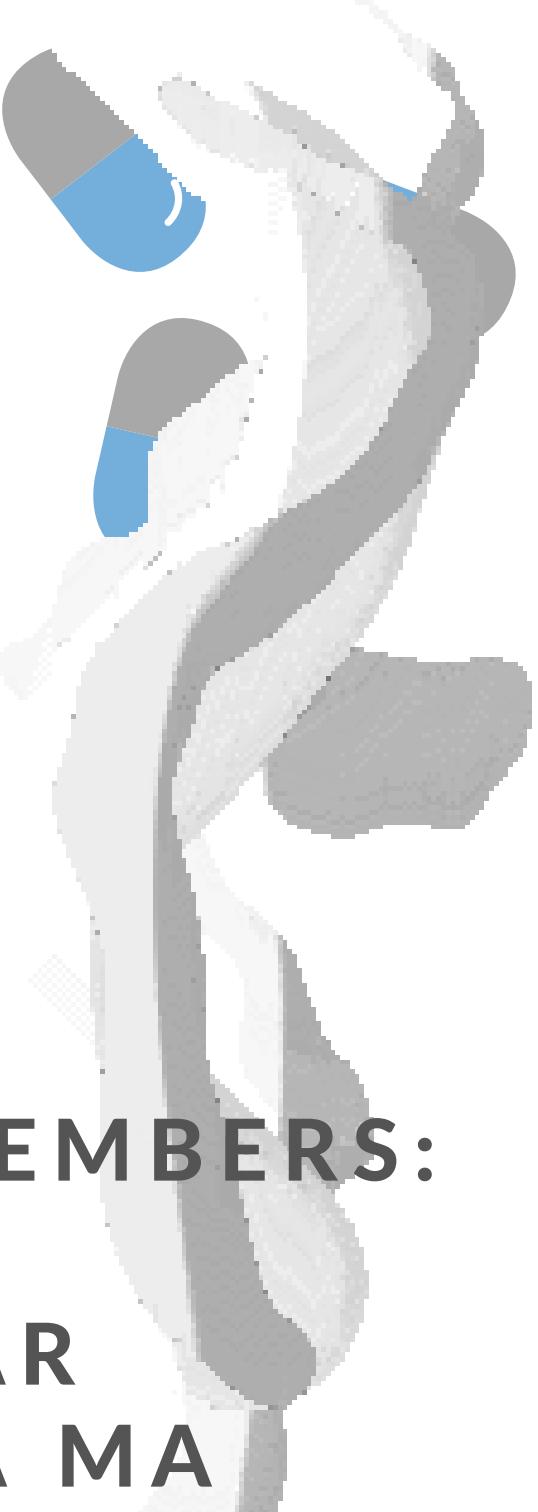
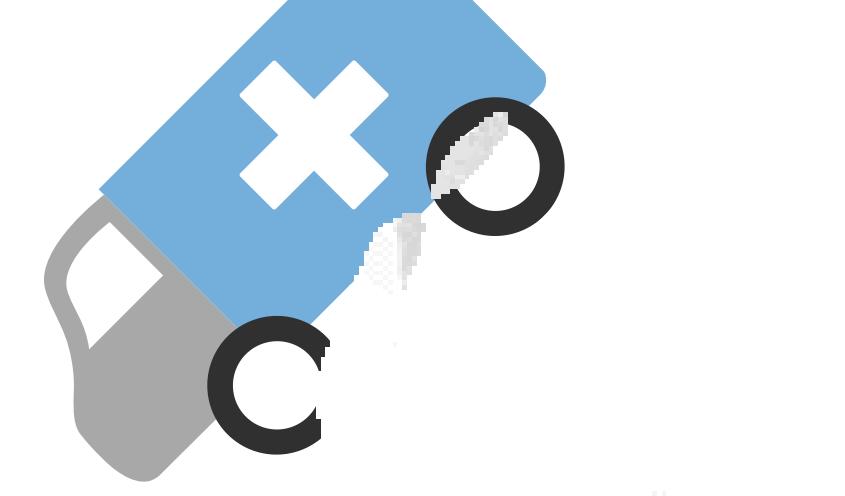
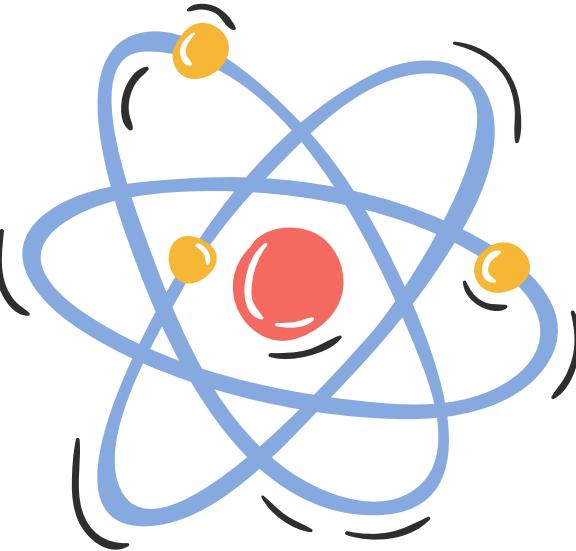


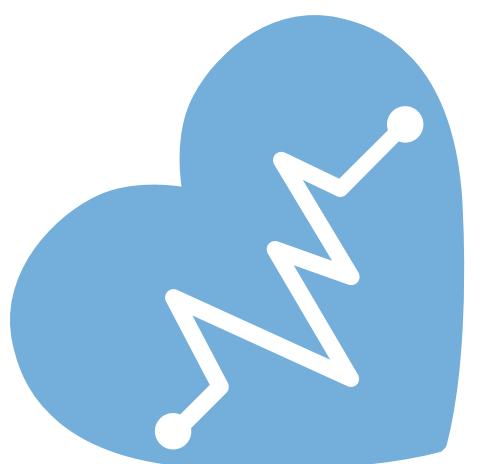
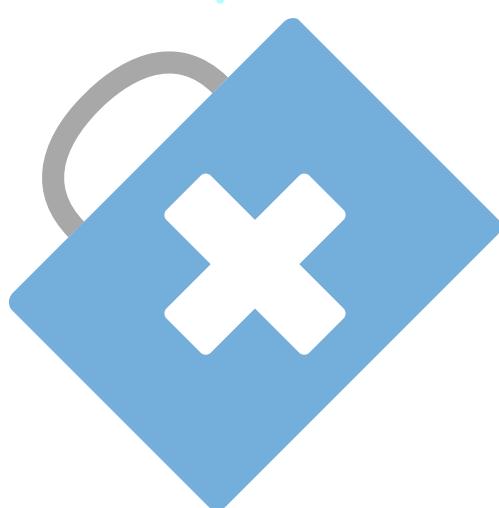
**GUIDE:ELIA NIBIA**

# Touch Of Care

WE CARE FOR YOU



**GROUP MEMBERS:**  
AKHIL PS  
RAMEES AR  
AMRUTHA MA  
FATHIMA JABBAR

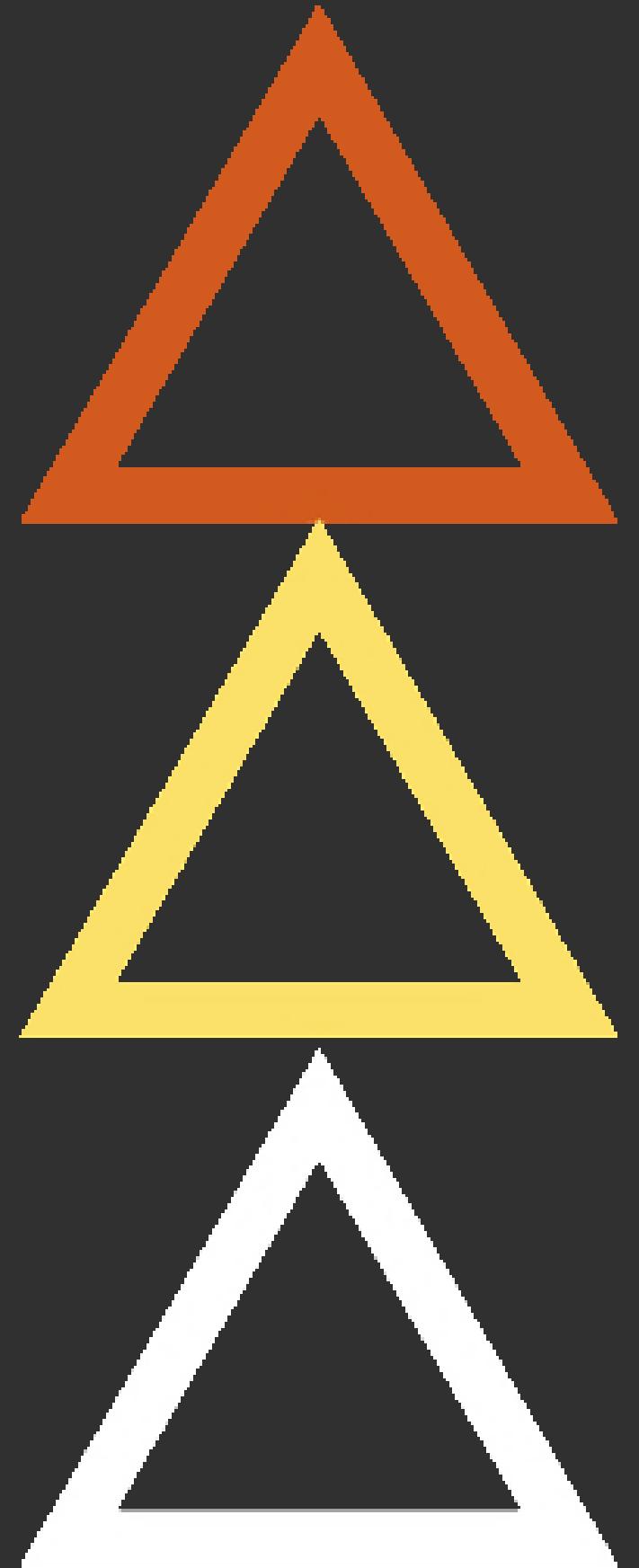


# Abstract

---



This paper is an Open source website/app, built to reduce the gap between health care service and people, here introducing a common platform which is web based with different operating interfaces for hospital, pharmacy and clinical laboratories bringing all these together into a common platform can impact the efficiency of the entire hospital as well as patient service positively.



# An Introduction

## WHAT IS TOC ?

Touch of Care uses computerize data to an extend for different dynamic situation that arise in hospitals.

Touch of Care provide a user friendly and simple UI which need almost no skill to use .

Each users can be identified or filtered from data base based on any provided details (DNA,Blood group etc...).

With touch of care medical data from different hospitals can be accessed from a single point.

User/Patients can view their health status and history anywhere anytime online in their portal.



# MODULES

## MODULE 1: ADMINS

Here main admin can monitor the entire data from dashboard

## MODULE 2: HOSPITAL (SUB-ADMIN)

Sub-admin can add their users within the hospital such as doctor,pharmacy etc..

## MODULE 3: PATIENT/USER

It contains all the medical history of user and current status

## MODULE 4: DOCTOR

It is a descriptive portal which can access patient information by their QR code

## MODULE 5: LABORATORY

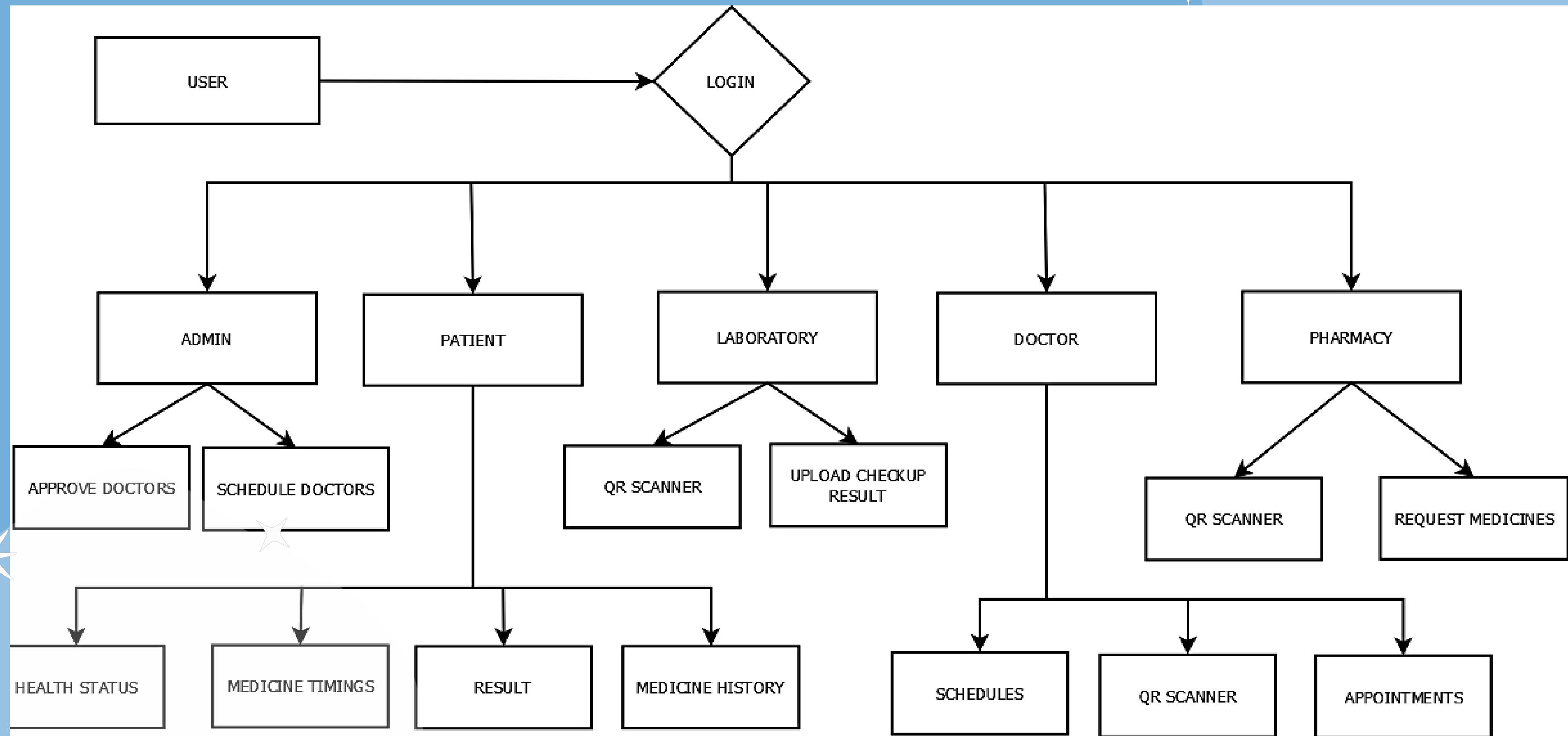
Here they can see the doctor advised lab test and update the result into patient database

## MODULE 6: PHARMACY

Here the medicine request is received from doctor with patient reference



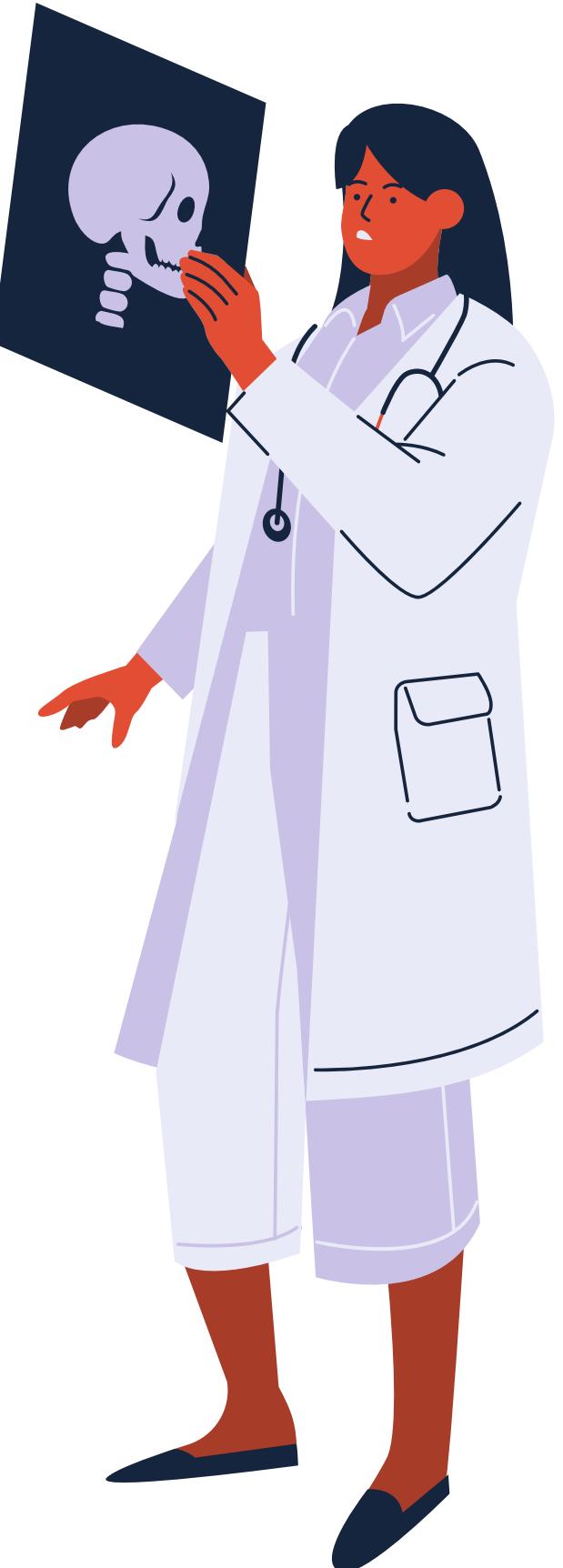
# BLOCK DIAGRAM



# Implementation

---

- Each hospital need to be registered by admin or individually (individual registrations are approved by the main admin )
- Each hospitals can register their doctors, pharmacy and laboratory
- User are registered individually (no approval is needed provided the details are valid)
- pharmacy, Laboratory that register individual other than by a hospital need an aproval from main admin to activate there account

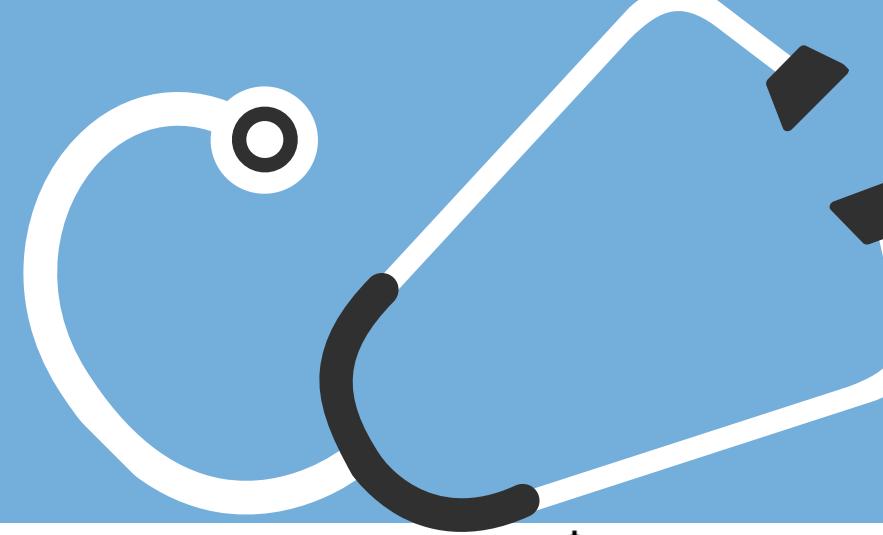


# Results

- Here each individual can book their OP tickets from their home with a quick registration providing them with a QR code which can be later used for easy access to different facilities.
- Once a patient books their appointment with doctor, they are provided with an estimate time .
- Doctor prescribes the medicines online and the details are shared directly to the pharmacy in the hospital.
- Patient show the QR code for verification at the pharmacy/laboratory counter for the medicines/test details.



# TESTING ISSUES



## 1: Naming Issue in URL :

Here the issue was cleared by giving different starting letter if trouble was detected



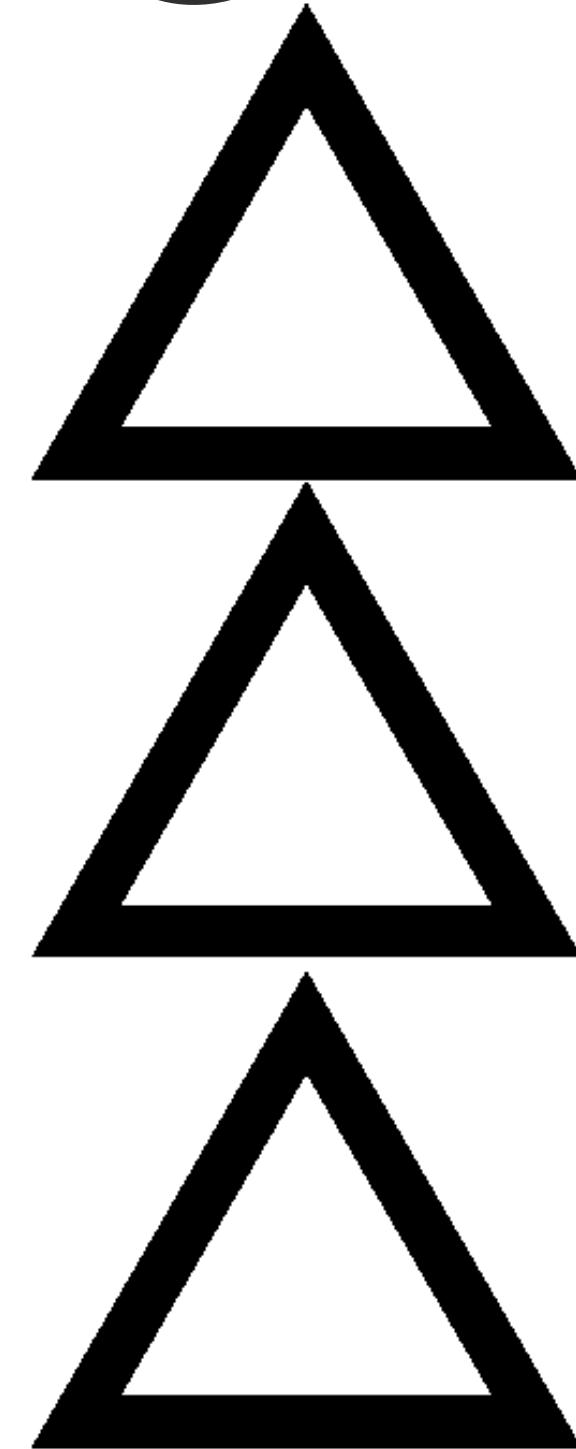
## 2: Email verification issue:

A less secure host email was separately created for verification and email notification purposes



## 3: Log in credential strength :

Log were initially made easy later patterns were introduce in the html codes to make it unique and strong



## Touch of Care

Provide **best quality healthcare** for you

 **Take Appointments**

Here you can make appointments from home to consult doctor

 **User Friendly Interface**

We Provide simple user interface for all users

 **Be a Part of change**

Your health status is now on your hands

 **Make an appointment** (it's free!)

**Location**

SELECT

**Hospitals**

SELECT

**Departments**

SELECT

**Doctors**

SELECT

**Date**

**Time**

**BOOK NOW**

\* We'll contact you by phone & email later



**TOUCH OF CARE .....**

[Sign up](#)



## WELCOME

Username

---

Password

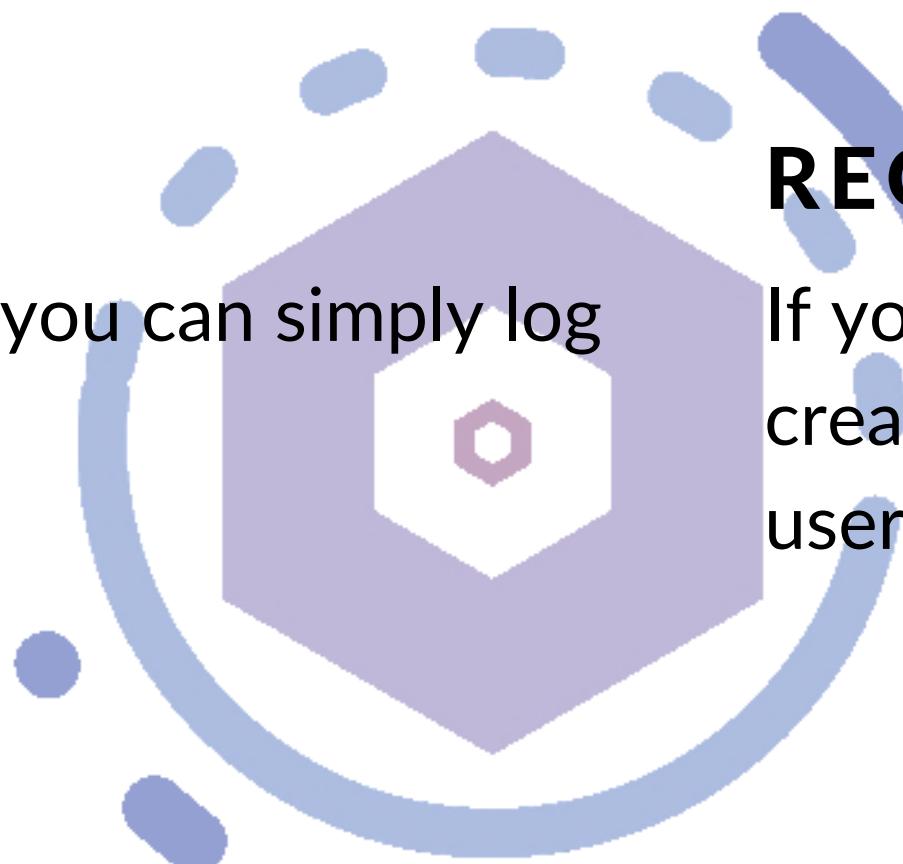
---

[Forgot Password?](#)

[LOGIN](#)

## LOG IN

If you are already have an account you can simply log in with the credentials



[Sign in](#)

[Sign Up](#)

[Hospital](#)

[Pharmacy](#)

[Labouratory](#)

## REGISTRATION

If you are new here then click sign up and fill the form to create a fresh new account QR cod is generated for the user here.



Patient

## WELCOME

Name

---

Location

Select District

Gender

Male  Female

Date of Birth

dd-mm-yyyy

Mobile No:

---

Blood Group

Select Group

Email

---

Address

---



## Main

Dashboard

Hospitals

Pharmacy

Laboratory

Patients

Approvals &gt;



0

Hospitals ✓



2

Patients ✓



0

Pharmacy ✓



0

Laboratory ✓

Refresh)

## MODULE 1: ADMIN

This is the Admin portal here admin can see the entire details related to the Hospitals, Pharmacy, User & Laboratory registered. their is a set of icons on the left to navigate to diffrent pages with different purpose.

**Touch of Care**

Admin

Main

Dashboard

Hospitals

Pharmacy

Laboratory

Patients

Approvals >

Hospitals

**HOSPITALS VIEW**

ID	Hospital Name	Location	Email	Contact Person	Contact No	Action
1	MahaRajas hospital	Ernakulam	akhilpsinbox@gmail.com	Akhil Ps	7907155998	<b>DELETE</b>

+ Add Hospital

**Touch of Care**

Admin

Main

Dashboard

Hospitals

Pharmacy

Laboratory

Patients

Approvals >

Add Hospital

Hospital Name *	Location*
<input type="text"/>	Select Location
Email *	Website*
<input type="text"/>	<input type="text"/>
Username *	Password*
<input type="text"/>	<input type="text"/>
Confirm Password*	Contact Person*
<input type="text"/>	<input type="text"/>
Phone*	Address*
<input type="text"/>	<input type="text"/>

**ADD HOSPITAL**

Hospitals

**HOSPITALS**

ID	Hospital Name	Location	Email	Contact Person	Contact No	Action
1	hospital	Alappuzha	akhilpsofficialinbox@gmail.com	contact person	7907155991	<b>Approve</b>

- 1st picture shows the page where list of hospitals are visible .on clicking "add hospital" hospital registration page appears similarly for the lab, pharmacy .
  - 2nd picture is the registration form to add hospitals. similar for lab and pharmacy.
  - 3rd picture shows the approval page where external registrations are handled.
  - Here edit profile is provided at top right corner
-



Main

Dashboard

Doctors

Pharmacy

Laboratory



2

Doctor ✓



7

Pharmacy ✓



8

Laboratory ✓

Refresh

## MODULE 2: SUB-ADMIN (HOSPITAL)

This is the Hospital portal here Sub-admin can see the entire details related to the Hospitals staffs and user/patients.

their is a set of icons on the left to navigate to diffrent pages with different purpose.

 Touch of Care  MahaRajas hospital

Main  
Dashboard  
Doctors  
Pharmacy  
Laboratory

Pharmacy

## PHARMACY

Person Name	Contact Number	Email	
DDRC	7907155998	akhilpsinbox@gmail.com	<button>Remove</button>

[+ Add Pharmacy](#)

 Touch of Care  MahaRajas hospital

Main  
Dashboard  
Doctors  
Pharmacy  
Laboratory

## Add Pharmacy

Contact Name \*   
Email \*

Username \*   
Password \*

Confirm Password\*   
Phone\*

[ADD PHARMACY](#)

 Touch of Care  MahaRajas hospital

Main  
Dashboard  
Doctors  
Pharmacy  
Laboratory

## Add Pharmacy

## PROFILE

HOSPITAL NAME:

CONTACT PERSON:

EMAIL:

CONFIRM PASSWORD:

USERNAME:

CONTACT NO:

PASSWORD:

[UPDATE](#)

- 1st picture shows the page where list of pharmacy in that hospitals are visible. on clicking "add pharmacy" pharmacy registration page appears similarly for the lab and doctors .
- 2nd picture is the registration form to add pharmacy. similar for lab and doctors in that hospital.
- 3rd picture Here shows edit profile is provided at top right corner

HEY! I AM

# Ptient portal

I'm a TOC Us



## MODULE 3: PATIENT/USER

Here we have created very simple visually appealing page for the user where medical history and personal details are easily notable

**Prescription History****My Medical Prescription**[My Medical Prescription](#)[My Lab Results](#)

2020-

**View Prescription**[CLICK HERE](#)**My Lab Results**

2020-

**View Lab Results**[CLICK HERE](#)

Date	Pharmacy Name	Disease	Medicine	Doctor	Timing	Day
May 2, 2020	Not visited	headache	paracetamol	Akhil	1-0-1	3
April 20, 2020	kims	Fever	Paracetamol	Akhil	1-0-1	6
April 20, 2020	kims	cough	medi	Akhil	1-0-1	2
April 20, 2020	Not visited	fever	medicine	Akhil	1-0-1	8

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<b>Location</b>	<b>Hospitals</b>
<input type="button" value="SELECT"/>	<input type="button" value="SELECT"/>
<b>Departments</b>	<b>Doctors</b>
<input type="button" value="SELECT"/>	<input type="button" value="SELECT"/>
<b>Date</b>	<b>Time</b>
<input type="text" value="MM/DD/YYYY"/>	<input type="button" value="SELECT"/>
<a href="#">Book Now</a>	

- 1st picture shows 2 button to view medical history on clicking it goes to corresponding page
- 2nd picture is the view of the "view prescription" button. here the medicine priscription history is view in revese chronological order. similarly "view lab result" also have a similar view.
- 3rd picture shows the page where appointments form is filled to see the doctor.
- there is an edit button which is used to change the credential of the user if needed
- A unique QR code is also generated when a new user register

 Dashboard View Patients

# About Me

Name: **Gichin**

Qualification: **MBBS**

Specialization: **Cardiology**

Experience: **3**

Email: [akhilpsinbox@gmail.com](mailto:akhilpsinbox@gmail.com)

Mobile: **7907155998**

## Check Patient



Choose File

No file chosen

CHECK

## MODULE 4: DOCTOR

Here we have created very simple visually appealing page for the doctor where medical history and personal details are easily notable

TOC

Touch of Care

Gichin

Main

Name : Akhil Ps Age : 22

Date : April 20, 2020 Place : Ernakulam

**ADD TEST** **PREScription**

Previous Prescription

Date	Pharmacy Name	Disease	Medicine	Doctor	Timing	Days
------	---------------	---------	----------	--------	--------	------

Previous Lab Test

Date	Lab Name	Test Name	Doctor	Hospital	Result
------	----------	-----------	--------	----------	--------

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Touch of Care

Main

Name : Akhil Ps

Date : April 20, 2020

**ADD TEST**

**Add Prescription**

Date : April 20, 2020

Disease :

Medicine:

Times :

Days:

**CLOSE** **ADD PRESCRIPTION**

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Touch of Care

Main

Name : Akhil Ps

Date : April 20, 2020

**ADD TEST**

Test Name :

Date : April 20, 2020

**CLOSE** **ADD TEST**

Previous Prescription

Date	Pharmacy Name	Disease	Medicine	Doctor	Timing
------	---------------	---------	----------	--------	--------

Previous Lab Test

Date	Lab Name	Test Name	Doctor	Hospital	Result
------	----------	-----------	--------	----------	--------

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- 1st picture shows the page after scanning the QR Code for patient medical history.
- 2nd picture is the form where the prescription is provided.
- 3rd picture is the form where the doctor suggests test to be taken.
- Here edit profile is provided at top right corner



Main

Dashboard

View Test

# Laboratory details

Contact Name: Amrutha

Location: Ernakulam

Phone: 8566322244

Email: amrutha@gmail.com

## Check Patient



Choose File No file chosen

CHECK

## MODULE 5: LABORATORY

here this is the laboratory portal where patient detail is accessed through scan QR

Main  
Dashboard

View Test

Name :	Age :
Ramees Ar	28
Date :	Place :
May 2, 2020	Ernakulam

## Lab Test

No.	Date	Doctor	Patient	Test	Result	Status
1	May 2, 2020	Akhil	Ramees Ar	corona	<input type="button" value="Upload"/>	<input type="button" value="GIVE"/>

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Main  
Dashboard

View Test

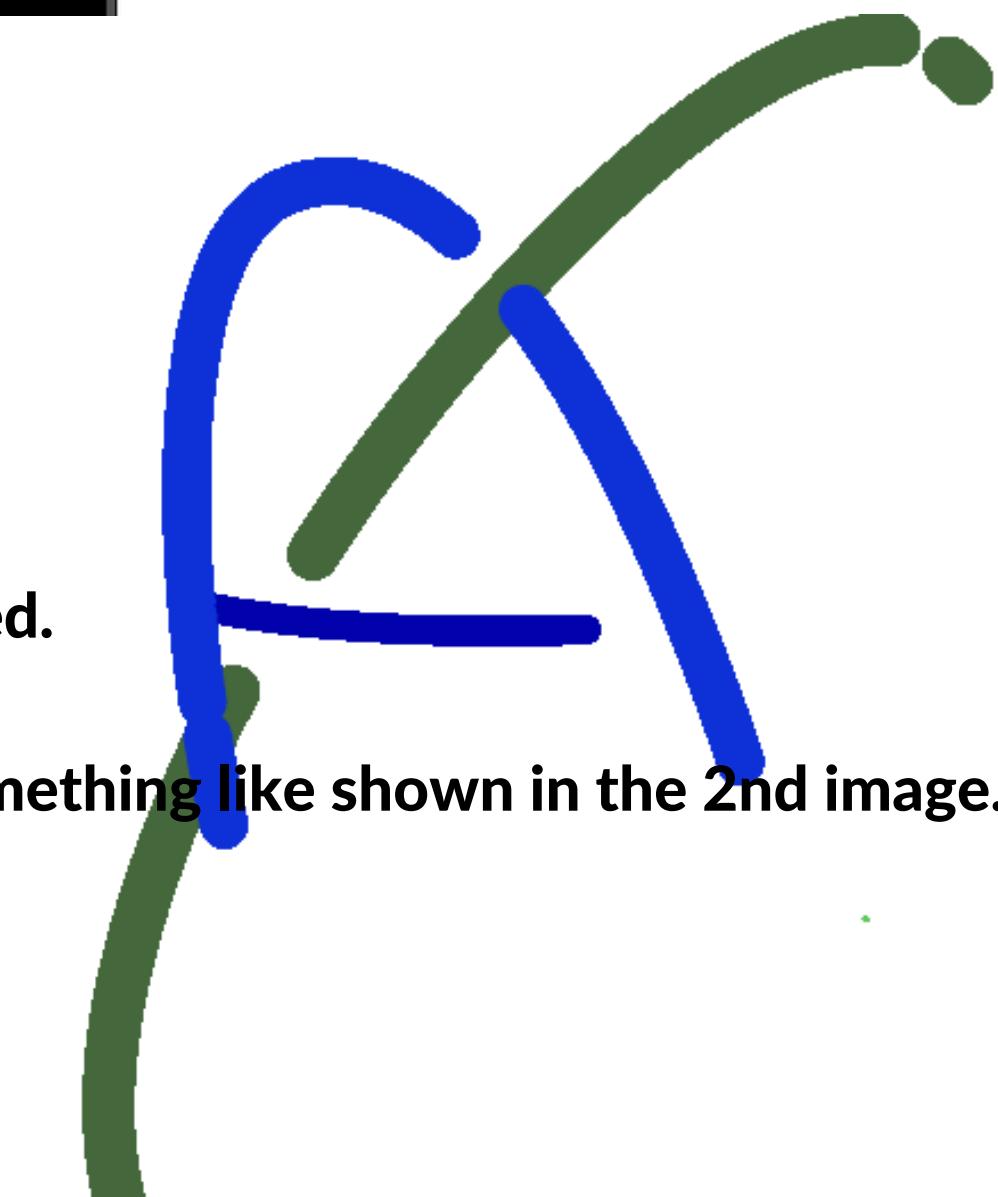
Name :	Age :
Ramees Ar	28
Date :	Place :
May 4, 2020	Ernakulam

## Lab Test

No.	Date	Doctor	Patient	Test	Result	Status
-----	------	--------	---------	------	--------	--------

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- 1st picture shows the page where the doctor suggested lab test is viewed.
- Once the lab result is uploaded to the patient database the view looks something like shown in the 2nd image.
- The login profile can be edited using the edit profile option.





Main

Dashboard

View Patients

# Pharmacy details

Contact Name: Ramees

Location: Ernakulam

Phone: 8855333225

Email: ra@gmail.com

## Check Patient

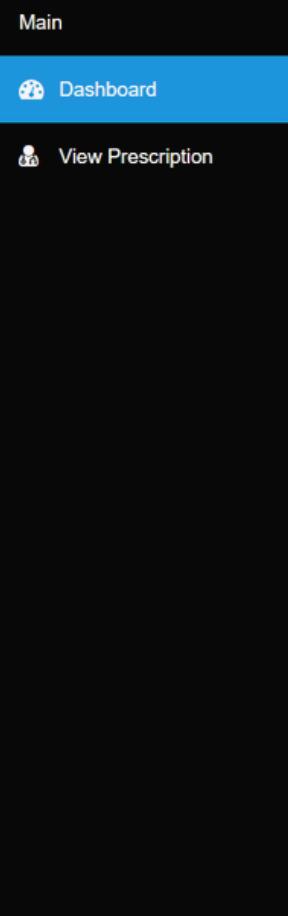


Choose File No file chosen

CHECK

## MODULE 6: PHARMACY

here this is the laboratory portal where patient detail is accessed through scan QR



Name : Ramees Ar Age : 28

Date : May 2, 2020 Place : Ernakulam

### Prescription

No.	Date	Patient Name	Disease	Medicine	Doctor	Timing/day	Status
1	May 2, 2020	Ramees Ar	headache	paracetamol	Akhil	1-0-1/3	<button>GIVE</button>
2	April 20, 2020	Ramees Ar	fever	medicine	Akhil	1-0-1/8	<button>GIVE</button>

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LAB NAME: Meera medicals EMAIL: akhilpsinbox@gmail.com

USERNAME: Meera123 PASSWORD: Meera@123

**UPDATE**

- 1st picture shows page where the doctor prescribed medication can be visible to the pharmacist.
- 2nd picture shows the page where edits can be made to the credential by the authorized user if needed.

## WHERE ARE THE DOCTORS?

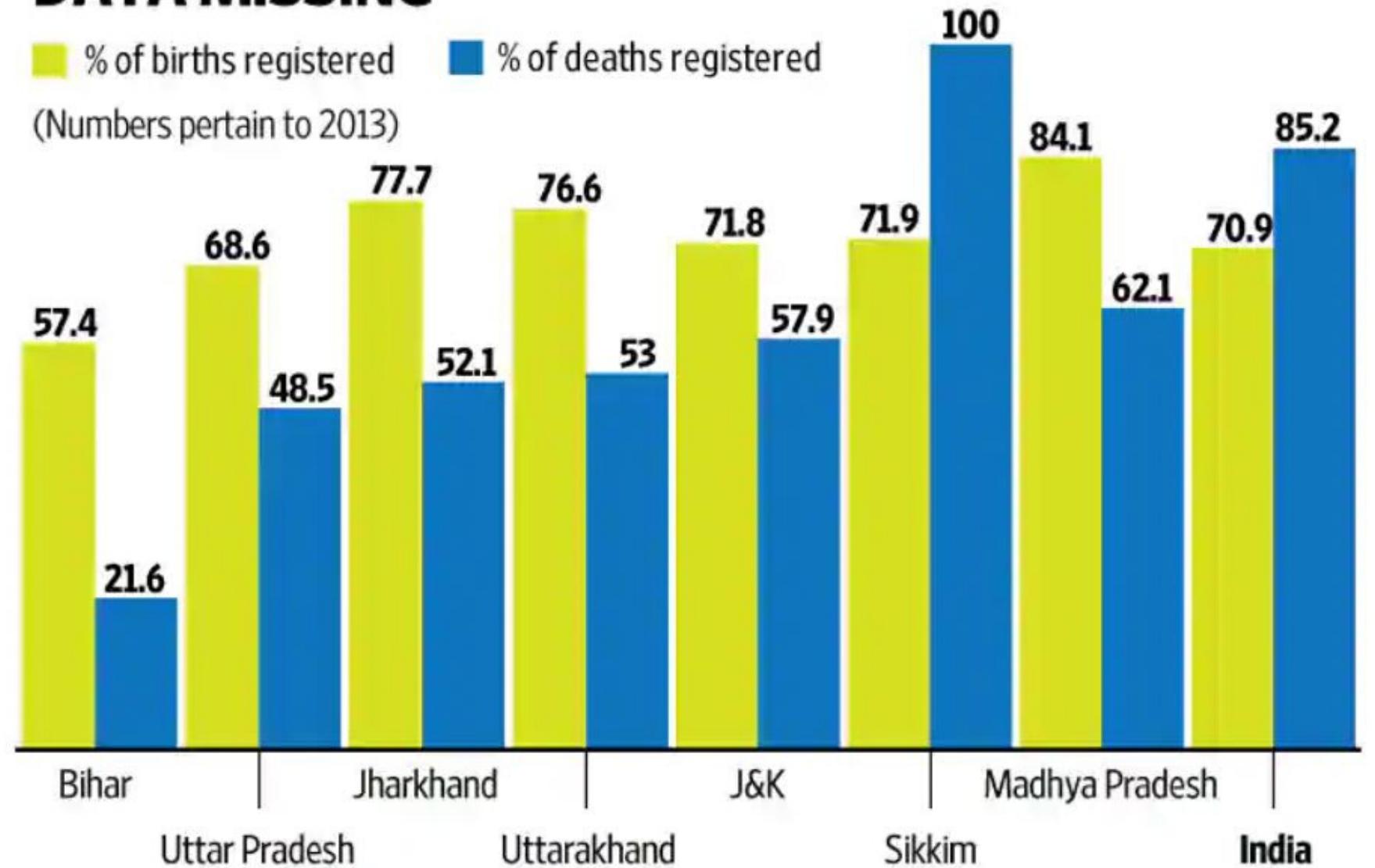
	Available (2011-12)	Desired density*	% shortfall
Doctors	691,633	85	49.1
AYUSH practitioners	534,091	49	11.3
Dentists	88,370	15	106
Pharmacists	492,923	70	72.3
Nurses or general nursing and midwifery	743,324	170	177.5
Auxiliary nurse midwives	361,879	85	185

\*(per 100,000 population) as per 12th five year plan

## DATA MISSING

■ % of births registered ■ % of deaths registered

(Numbers pertain to 2013)



Source: Vital statistics of India based on the Civil Registration System 2013



# Conclusion

---

- This project is perfect for the dynamic environment of a healthcare service providers cutting down the managing time that usually requires a manpower and high cost.
- Helps in reducing the crowd that usually happen in such environment which is convenient for both patient as well as organization.
- This project is done in Django which is perfect for such huge database and can be quickly modified according to the requirement without any expertise.

THANK YOU

