



## Executive Summary:

Doctor Finder – Complete Medical Solution android application is combo app to find doctors, Pharmacies & Hospitals near you, you can find doctors within your city, check for pharmacy near you or even find list of hospitals and compare services. The mobile app will be easy to sign up. It will be available across all mobile platforms including all Android devices, tablets, laptops, and chrome-books.

The following are the services that the app will provide:

- **Sort doctors list by speciality (Urologist, Pulmonologist, Eye Care & more)**
- **Check Doctors Profile and distance from you**
- **Services Provided by doctors**
- **Health Care details**
- **Ratings for doctors by which you can decided which doctor is best for you**
- **You can also book appointment to the doctors by adding details like date, time and reason for visiting, all details will be send by mail to doctor.**
- **You can also upload prescription to Pharmacy by adding mobile number, prescription will be send by mail to pharmacy store.**
- **Cash on delivery is supported in Order Medicine**
- **Attractive and Informative Splash Slider**
- **Favourite list : you can bookmark doctors, pharmacies & Hospitals**
- **About app description**
- **Share doctors, Pharmacy and Hospitals on social media**
- **Share app on social media**
- **Add Ratings and Review**
- **Login with Facebook**
- **Login and Register with email**
- **Add your profile picture**
- **Sort list by Radius**
- **Sort list by City**
- **Easy to add New language**
- **Add speciality list from admin**
- **Easy Configuration of push notification from admin**
- **Send push notification from admin panel**
- **Google map to select easy location**

We hope that this App will fulfill the needs of information and help people by providing useful health services.

We will try to develop the application for various platforms to reach out to as many people as possible.

By this App we are trying to build a media which will be able to fulfill all health related requirements .

## Contents

Letter Of Transmittal .....	04
Introduction.....	05
Project Background.....	05
Objectives.....	05
Process Model.....	06
The Project Survey.....	07
Gantt Chart / Time Chart... ..	09
Project Planning .....	09
Project Estimation.....	09
Cost benefit Analysis.....	10
Feasibility Study .....	11
Project Features.....	12
Function Definitions... ..	13
Diagram.....	13
UI.....	29
Consttruc.....	37
Conclusion.....	39

Letter of Transmittal:

**DOCTOR FINDER****49,Arjutpara,Mohakhali,Dhaka-1215****Phn:01921848321****Fax:123-123-123456****Email:kanzud@gmail.com****Website:www.dfinder.com****Kanzud Saiyara , System Analyst 1****Md Zahin Mobashshi , System Analyst 1****Nazifa Anjum , Programmer 1****Mohammad Rakibul Hasan , Programmer2*****Jubayer Bin Jaman , Tester***

**A. K. M. Ahsanul Hoque,**  
**Lecturer,**  
**Ahsanullah University of Science and Technology,**  
**Tejgaon, Dhaka.**

**Assalamualaikum Sir,**

**We the proposers would like to present the proposal of "Doctor Finder App" in compliance with your instructions, as per the requirements of the Information System Design and Software Engineering Lab. The goal of this article is to suggest a mobile app that we believe will be beneficial to all of us. This app will be able to build a media which will be fulfill all health related requirements .**

**We simply hope that you will approve of this suggestion.****Yours Sincerely,****Kanzud Saiyara 18.02.04.105****Nazifa Anjum 18.02.04.103****Mohammad Rakibul Hasan 18.02.04.102****Md Zahin Mobashshi 15.01.04.131*****Jubayer Bin Jaman 17.01.04.125*****Date:15.03.2022**

## **Project Introduction:**

We know that the modern world is hit by the pandemic and for this we all are suffering. To mitigate this emerging situation people are trying to find solutions to save lives. We understand the battle is not easy and we all are into this together. In order to stand beside the mankind we have tried here to make a project which will be beneficial to all patients and doctors to fight this pandemic. "Doctor Finder App" – Complete Medical Solution android application is combo app to find doctors, Pharmacies & Hospitals near you, you can find doctors within your city, check for pharmacy near you or even find list of hospitals and compare services. The mobile app will be easy to sign up. It will be available across all mobile platforms including all Android devices, tablets, laptops, and chrome-books.

## **Member Introduction:**

"Doctor Finder App" project is done by a group of five people. We are – Kanzud Saiyara, Nazifa Anjum, Mohammad Rakibul Hasan, Jubayer Bin Jaman and Md Zahin Mobashshi. Login, sign in are done by Jubayer, home, favourite are done by zahin. Rakib work on doctor details, suhi on hospital details and kanzud work for pharmacy.

## **Background of Study:**

Finding a good doctor can prove to be quite tricky, especially, if you are new in a city. When you are looking for a doctor, there are few crucial things that you need to take into account such as the specific care you need, doctor's credentials, reviews from other patients. It is difficult to know about doctor, hospital or pharmacy near you by searching google. As a responsible family member, you need to make informed health related decision, not only about yourself but for others in your family too. Helping people in this pandemic with necessary information to find Doctors, Pharmacy & Hospitals by sitting home is necessary. They need any kind of medicine by any time. By watching reviews of Doctors, Pharmacy & Hospitals anyone can easily choose the best one for them. We just want to direct people in the right path by helping to take appropriate decision at emergency situation.

## **Objectives:**

### **a. Primary Objective:**

- Easily download the apps by smartphone user and take advantage of them in times of need.
- If any family member develops some health condition and we will not be aware of any doctor who could treat our relative, navigate through the apps to find out the most suitable doctors.
- Furthermore, we hope that we can also book appointments using the apps.

- Will be interacted with the leading doctors and ask them about any kind of your health related query.
- Can buy any kind of medicine by sitting home
- Will be contact with doctor via video call and send the medical reports of your previous treatment.
- will get notified in there's any change in your appointment schedule or if it's cancelled.
- This app search engine will be allow us to find doctors according to specialisation and location.
- Place all necessary information in one platform with ambulance service.

### **b. Secondary Objectives:**

- try to include bloodbank service
- try to include ambulance service
- make it free for everyone

### **Process Model:**

## **Incremental Model**

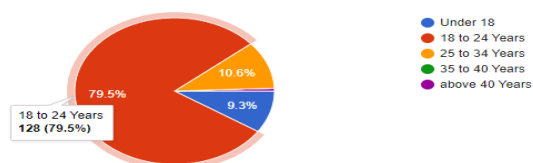
- In this project we are using **Incremental Model**.Because –
- It is easy to delivery
- Everythings is quick process
- It can fulfill customers demand
- Multiple independent deliveries are possible
- Always focus on productivity
- Customer can see it before finishing
- When time is too short it is best

We have clearly outlined the requirements of our project. Moreover, our project is under development. We assume that the incremental model will be a great choice for our project as it is of different small modules which we can build and develop individually. These will speed up the overall project development.

## The Project Survey:

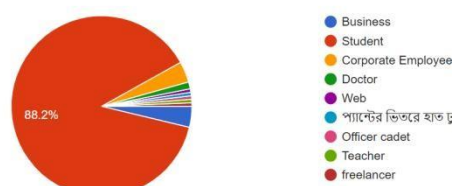
Your Age

161 responses



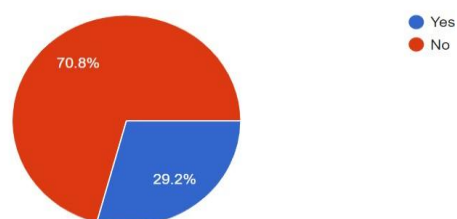
Your occupation

161 responses



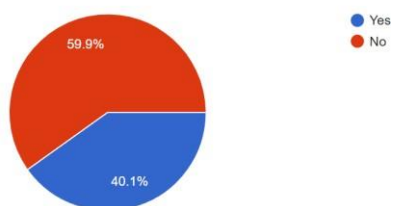
Do you know how many doctors live near you?

161 responses



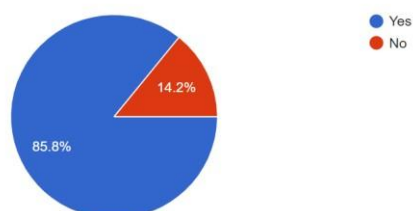
Do you know which doctor is best for you?

162 responses



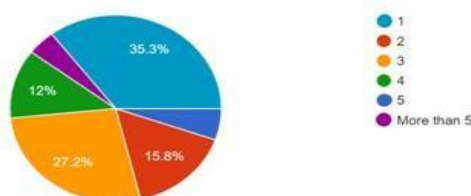
Do you want to contact with doctor anytime sitting in your own home?

162 responses



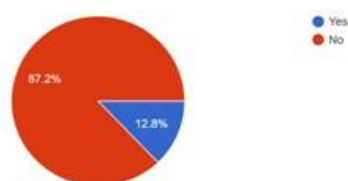
How many types of health specialist do you know ?

184 responses



Do you ever use any apps where doctor, hospital and pharmacy all type of service u can provide in one apps?

187 responses



If you get this app will it be helpful for you?

162 responses

Yes
yes
Maybe
maybe
yes
Definitely
Yes.
I think so
obviously

Any Suggestions?

72 responses

This idea is great .. Make the app more user friendly and add useful feature to help patients.
Nah
Make a user friendly app which would be easy to understand for a middle aged person like me
May be if its user friendly.
Need App Where I Can found Good Doctor
Even if a doctor is nearby it doesn't mean that they would be a good doctor.
I have seen few ICINIQ ad online.
Best of luck with your upcoming project. I hope, it will help lots of people.
24/7 service

Any Suggestions?

72 responses

If its possible to get good suggestions or consult with a good doctor then it will be helpful
gambare gambare
There will need a rich and helpful forum for free.
Nothing
It will be best if people can review the doctor.
Good Doctors
I hope you do well
DONT KNOW
Make it user friendly

Any Suggestions?

72 responses

NO!
Well personally I think there are 2 ways to do online healthcare 1. Online chat / call method which will be most efficient but will end up very badly if the admin panel or the ones running it are understaffed 2. 3 step medication , where in first step patient will describe their issue , in the second step they'll be handed a pdf with every possible question regarding that which they will fill up and submit and then within some time depending on the work schedule , they'll receive what could be the issue or if unsure be told to visit a nearby hospital
No, thats fine
Best of luck
up to date information is a must
Don't Have Any
no actually

Any Suggestions?

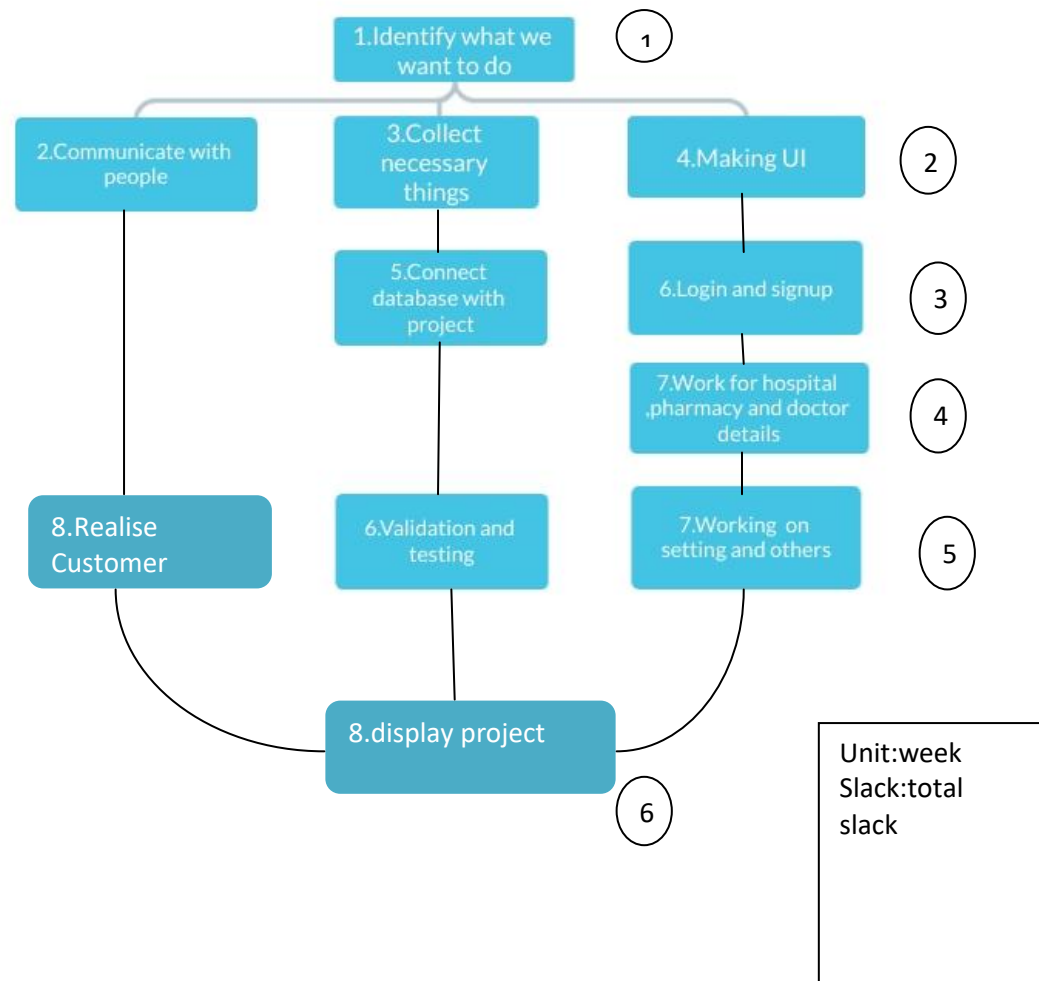
72 responses

have sign in through google
Make it easy to use so even old people can use them.
As I'm still a student and know not much about these apps and didn't even use this types of apps before so, I can't give any suggestions.
time schedule of available doctors can be helpful
It would be great if there are doctors who look after Unique matters like Mental health
This kind of start up will be very promising. There is a digital platform named 'frontliners' which recently got funding.
nope
Best wishes

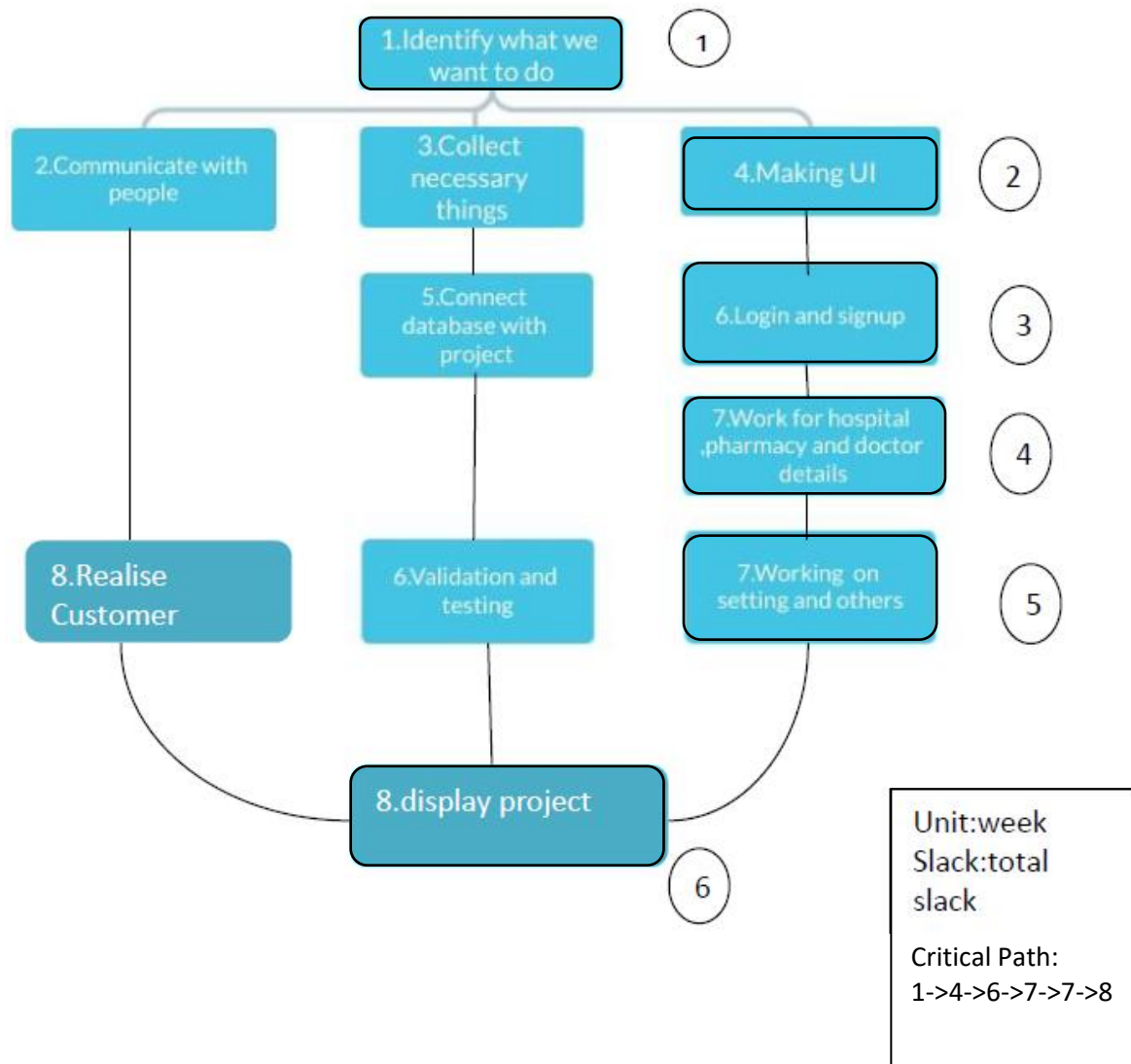


# Planning:

## PERT:



## CPM:



## Time Plan:

	Week 01	Week 02	Week 03	Week 04	Week 05	Week 06	Week 07
Communication							
Info gathering							
Data gathering							
Program							
User Interface							
Survey							
Report							
Presentation							

## Project Planning:

We have to communicate with all our team members all the time which is in between 1st to 6th week. To complete our survey, we'll collect data and gather info within 2nd week. From 2nd to 5th week, we'll develop this application. But in 5th-6th week, we'll also design the user interface and complete our survey. We'll create a project report on our 6th week. We'll do our presentation in last two weeks.

## Project Estimation:

As the project requires a certain amount of cost to implement all the features properly, there is an estimation of cost decided to run all the task. here the estimated cost will be around :

## BENEFIT COST RATIO (BCR) CALCULATOR

Calculate the Benefit Cost Ratio of Different Project Alternatives and Investment Opportunities (for max. 6 years)

### INPUT FIELDS

Number of Years

5

Discount Rate\*

0%

Initial Investment\*

-100

Negative (-) value represents an outflow (investment)

### CASH FLOWS

Cash Flow Benefits - Year 1\*

CASH FLOWS

Cash Flow Benefits - Year 1\*

100

Cash Flow Costs - Year 1\*

-100

Cash Flow Benefits - Year 2\*

100

Cash Flow Costs - Year 2\*

-100

Cash Flow Benefits - Year 3\*

100

Cash Flow Costs - Year 3\*

Cash Flow Costs - Year 3\*

-100

Cash Flow Benefits - Year 4\*

100

Cash Flow Costs - Year 4\*

-100

Cash Flow Benefits - Year 5\*

100

Cash Flow Costs - Year 5\*

-100

### CALCULATED VALUES

### CALCULATED VALUES

Sum of Discounted Cash Flows (Benefits)

500.00

Sum of Discounted Cash Flows (Costs)

600

Benefit Cost Ratio

0.8333

If we run our project with 0 discount for 6 year will get 80% profit from it.

## Process Based estimation:

The most common technique for estimating a project is to base the estimate on the process that will be used. As we do our work according to process based so that we can finish it by time and we know that what our customer want.

## Project Estimation:

We try to finish our project within 7 weeks. It was very tough but we try our best. Some of our require is incomplete but we will complete it future.

## Cost benefit analysis:

- For my project cba= 0.8.

So Costs equal the benefits, which means the project should be allowed to proceed, but little viability.

- There is no risk in long term
- We are not use vehicle so we can save the billing money
- We can get 3 in 1 solution by 1 apps by giving pay for 1 app
- We can look nearest hospital so we don't need to pay for ambulance
- We can see map which save our time and sometimes life

## Training:

For doing this project we all should know about php, android studio, java. For this reason we do a course when we are in 1.1 to 3.1. Besides, we learn about database

## Risk Analysis:

Too many risk are there in our project. Validation problem, Security problem.

## Resource requirements:

2 analysis

2 programmer

1 tester analysis

## Feasibility Analysis:

### Technical Feasibility:

- The application will be platform independent.
- Using this application will be secured.
- We need to update this app so that it also supports in different versions.
- Maintenance is easy.
- Very user friendly interface.

### Economical Feasibility:

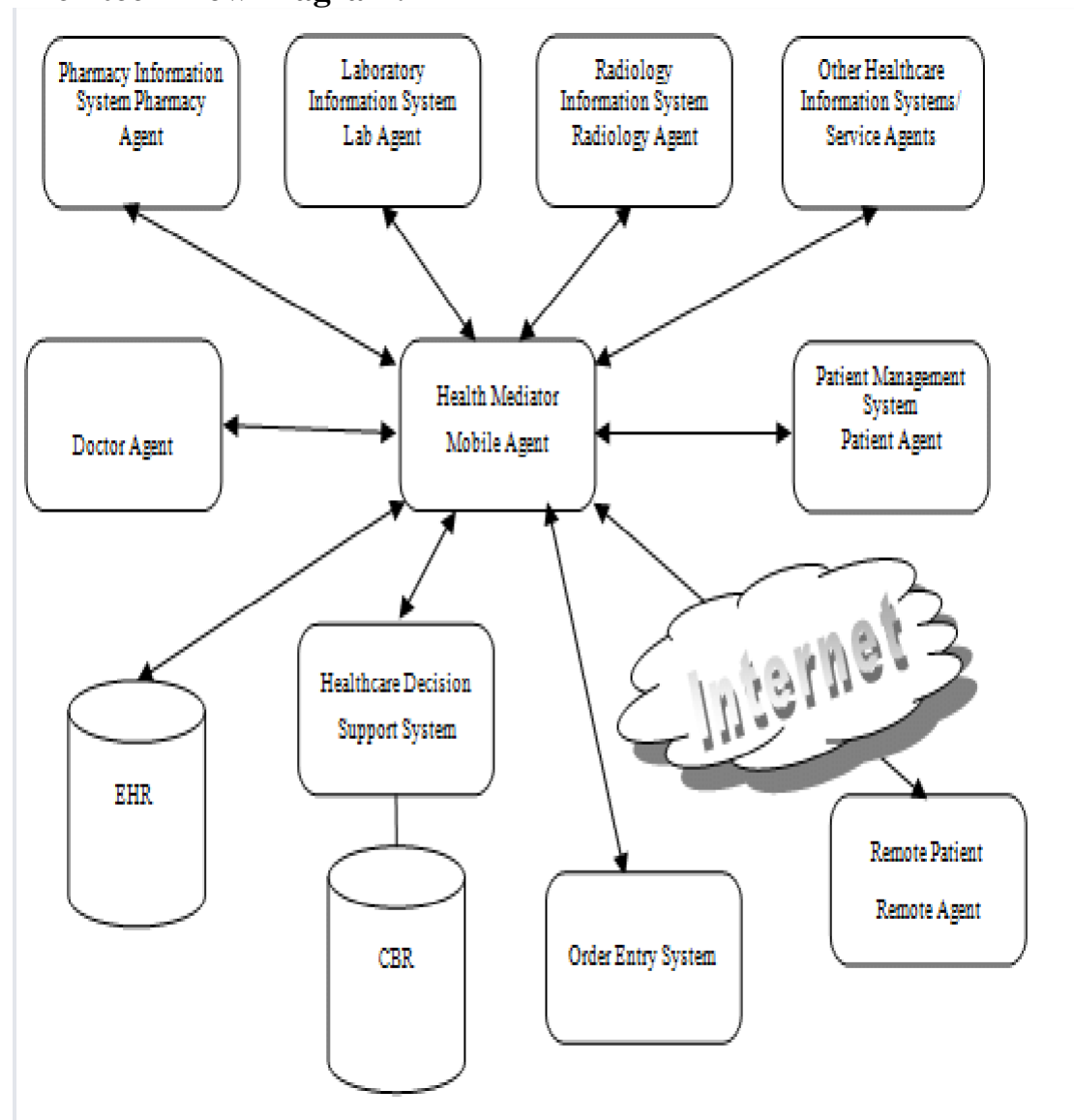
1. As android studio is an open source system software, so we don't need to buy this app to develop.
2. A team of five members require to complete this risk.
3. Approximately seven weeks may required for developing this app.
4. Extra bills for phone call/ internet data is needed for communicating with the teammates.
5. The revenue for our app will come from the places which user will travel.

### Operational Feasibility:

1. As the data will be available which is controlled strictly. So, the data is secured.
2. It will be very difficult to gather correct data and info from filed level.
3. This app will be more flexible, if it supports on all devices.

## Project features:

- Find Doctors Near you, within your city
- Find Doctors sort by name
- Find Pharmacy Near you,
- Find Pharmacy within your city
- Find Pharmacy sort by name
- Find Hospitals Near you,
- Find Hospitals within your city
- Find Hospitals sort by name
- Sort doctors list by speciality (Urologist, Pulmonologist, Eye Care & more)
- Check Doctors Profile
- Doctor's Address
- Contact Details
- Distance from you
- Services Provided by doctors
- Visiting Time
- Health Care details
- Map location
- Ratings for doctors
- Check Pharmacy Profile
- Pharmacy Address
- Contact Details
- Distance from you
- Services Provided by Pharmacy
- Open/Close Time
- Health Care details
- Map location
- Ratings for Pharmacy
- Check Hospitals Profile
- Hospitals Address
- Contact Details
- Distance from you
- Services Provided by Hospital
- Open/Close Time
- Health Care details
- Map location
- Ratings for Hospital
- You can also book appointment to the doctors by adding details like date, time and reason for visiting, all details will be send by mail to doctor.
- You can also upload prescription to Pharmacy by adding mobile number, prescription will be send by mail to pharmacy store.
- Cash on delivery is supported in Order Medicine
- Attractive and Informative Splash Slider
- Favourite list : you can bookmark doctors, pharmacies & Hospitals
- About app description
- Share doctors, Pharmacy and Hospitals on social media
- Share app on social media
- Add Ratings and Review
- Login with Facebook
- Login and Register with email
- Add your profile picture
- Admob Integration ( Banner & Interstitial both)
- Firebase Push Notification Supported
- Setting for application
- Sort list by Radius
- Sort list by City
- Sort list by ascending or descending
- On/Off Admob Advertising
- Easy to add New language
- RTL Supported
- PHP Admin Panel (Backend)
- Attractive & Informative Dashboard
- Separate List for doctors, Pharmacy & Hospitals
- Add Profiles of doctors, Pharmacy & Hospitals
- Add speciality list from admin

**Architech Flow Diagram:****Function Definitions:**

**Login page:** Here, users and administrators both can login on this application.

**Register Page:** New users can register in this page

The register fields are as follows:

- Name
- Email
- Password
- Confirm Password

**Doctors:** Find Doctors Near you, within your city, find Doctors sort by name, sort doctors list by speciality (Urologist, Pulmonologist, Eye Care & more), check Doctors Profile, doctor's Address, contact Details, distance from you, services Provided by



doctors,visiting Time

**Hospital:** Find Hospitals Near you,Find Hospitals within your city,Find Hospitals sort by name,Health Care details,Map location,Ratings for Pharmacy,Check Hospitals Profile,Hospitals Address,Contact Details,Distance from you,Services Provided by Hospital,Open/Close Time

**Pharmacy:** Find it Near you,Find it within your city,Find it sort by name,all details,Map location,Ratings for Pharmacy,Check Profile, Address,Contact Details,Distance from you,Services Provided by it,Open/Close Time,giving prescription by taking photo

**About us page:** This page contains all types of information about Cholojai. Here, our email , phone number and facebook page are given for the help of the users. Our services are available for 24 hours.

**Receipt page:** Here, the users can see the total amount of cost for their travelling. Hotel costs,transportation costs and vat are included here.

**Favourite list :** you can bookmark doctors, pharmacies & Hospitals

About app description

**Social Media:** Share doctors, Pharmacy and Hospitals on social media

Share app on social media

**Setting:** Setting for application

Sort list by Radius

Sort list by City

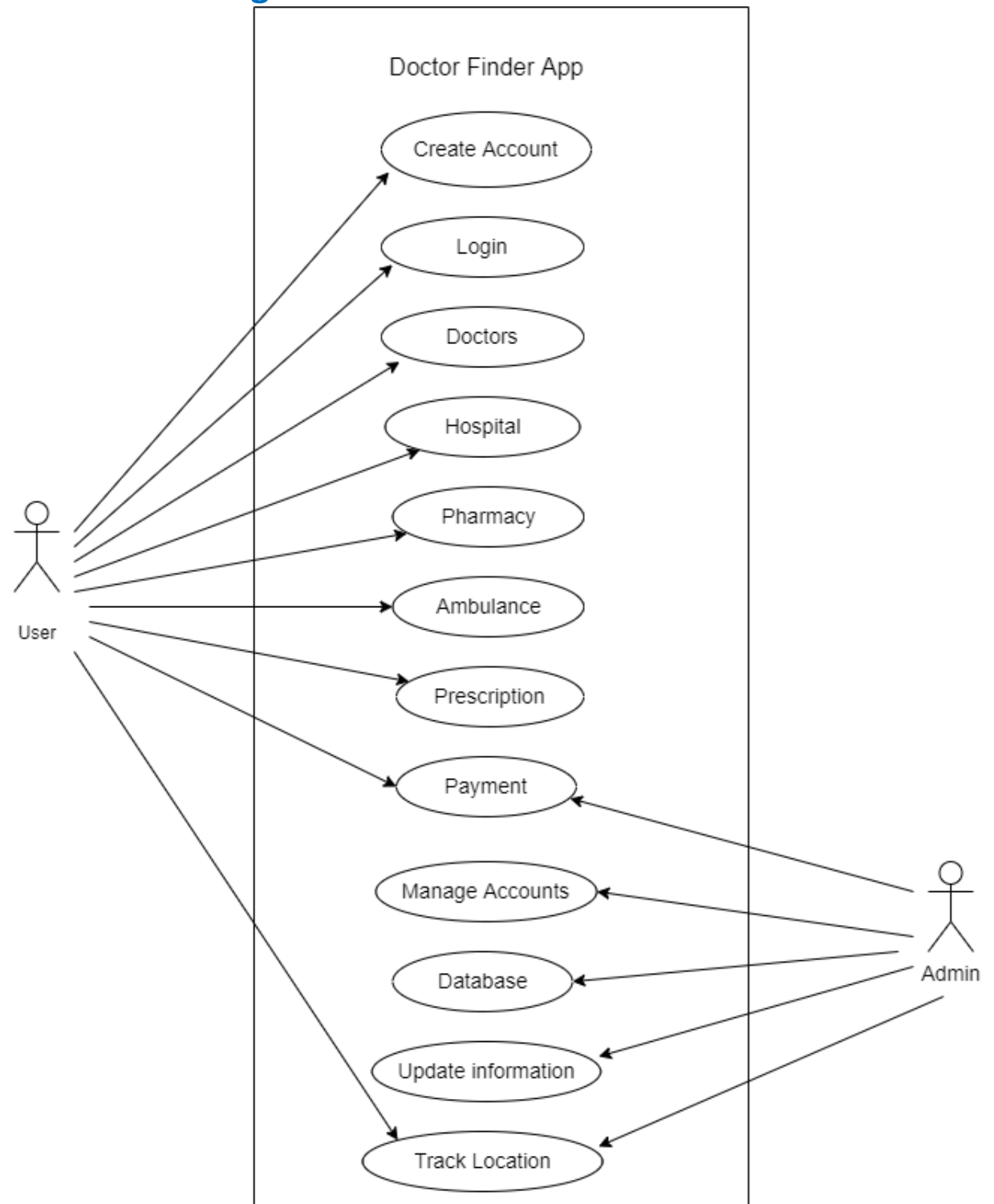
Sort list by ascending or descending

On/Off Admob Advertising

Easy to add New language

**Review:** Add Ratings and Review

## 1. Use Case Diagram:



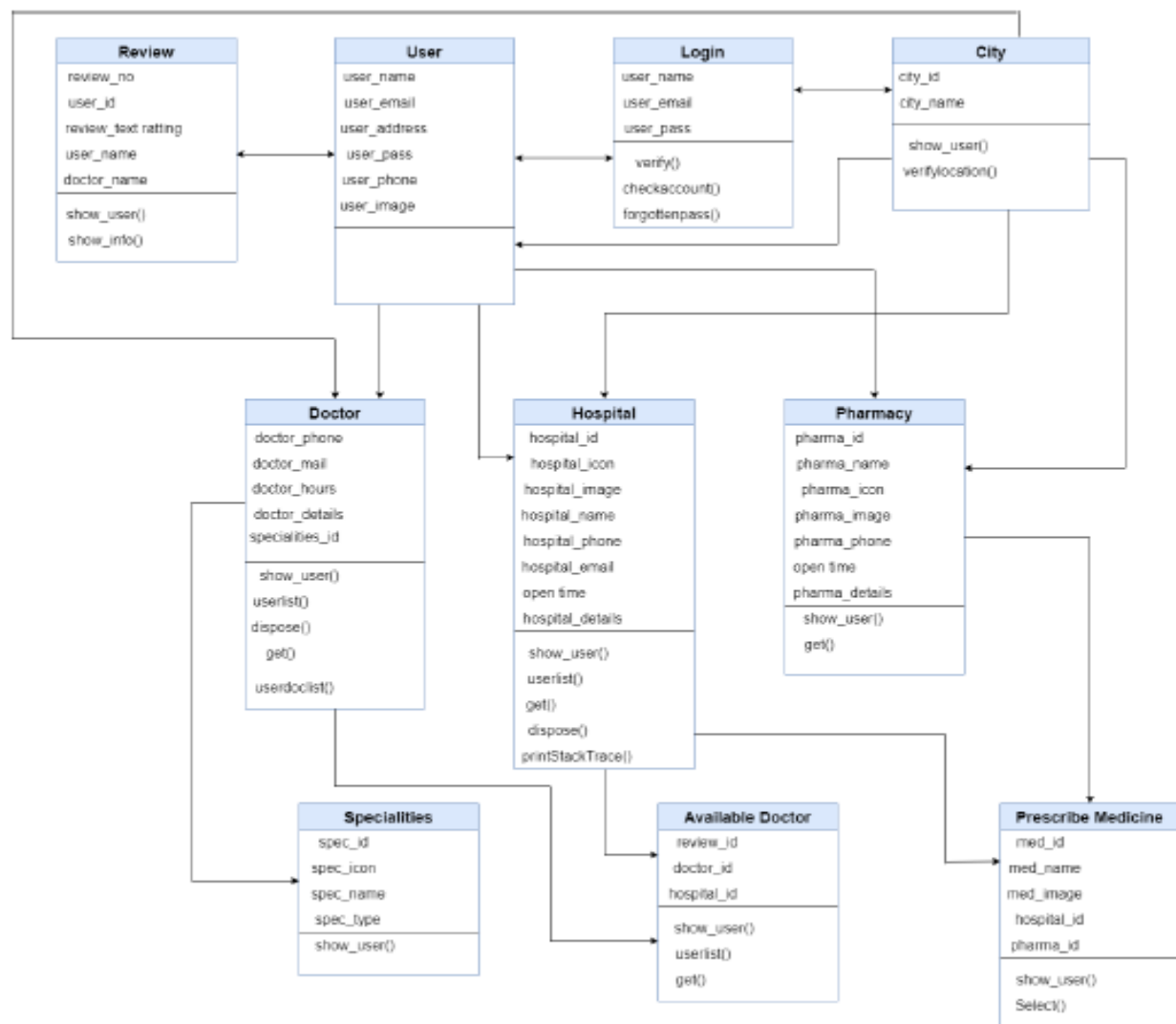
## 2. Use Case Narratives:

<b>ID:</b>	<b>01</b>
<b>Title:</b>	<b>Login</b>
<b>Gole in context:</b>	To differ normal user and paid user
<b>Precondition:</b>	First signup, must be user_id and password will be saved and give the correct password and user_id
<b>Trigger:</b>	To make it a safe and paid software
<b>Scenario:</b>	First give correct user_id and password. Then click on login button.
<b>Exception:</b>	Sometimes user forgot password or sometimes correct password don't work
<b>Priority:</b>	Essential. must be implemented.
<b>When available:</b>	First increment
<b>Frequency of use:</b>	Many times per day
<b>Primary actor:</b>	User
<b>PostCondition:</b>	All the function can use as he/she is a paid user
<b>Channel to actor:</b>	Via control panel interface
<b>Status:</b>	Under development
<b>Owner:</b>	Kanzud Saiyara
<b>ID:</b>	<b>02</b>
<b>Title:</b>	<b>Hospital</b>
<b>Gole in context:</b>	To find best and special hospital near you
<b>Precondition:</b>	In this location-based system, our app will use GPS to detect persons live location. Users can find near-by hospitals in any emergency situation
<b>Trigger:</b>	Must be Android Device, Internet Connection & Login
<b>Scenario:</b>	To make a online based hospital platform
<b>Exception:</b>	Users can find near-by hospitals in any emergency situation at anywhere
<b>Priority:</b>	If the user doesn't have internet connection, he/she will not be able to access this feature
<b>When available:</b>	Essential. must be implemented.
<b>Frequency of use:</b>	Second increment
<b>Primary actor:</b>	Always when user need
<b>PostCondition:</b>	User
<b>Channel to actor:</b>	Install/Update google map from play store
<b>Status:</b>	Via control panel interface
<b>Owner:</b>	Under development
<b>ID:</b>	<b>03</b>
<b>Title:</b>	<b>Pharmacy</b>
<b>Gole in context:</b>	In this location-based system, our app will use GPS to detect persons live location. Users can find near-by pharmacies from anywhere
<b>Precondition:</b>	Must be Android Device, Internet Connection &

Trigger:	Login
Scenario:	To make a online based medical services Users can find near-by pharmacies in any emergency situation at anywhere
Exception:	If the user doesn't have internet connection, he/she will not be able to access this feature Essential.must be implemented.
Priority:	Second increment
When available:	Always when user need
Frequency of use:	User
Primary actor:	Install/Update google map from play store
PostCondition:	Via control panel interface
Channel to actor:	Under development
Status:	Nazifa Amjum
Owner:	
ID:	04
Title:	Doctors
Gole in context:	In this location-based system, our app will use GPS to detect persons live location. Users can find near-by doctors from anywhere
Precondition:	Must be Android Device, Internet Connection & Login
Trigger:	To make a online based medical services
Scenario:	Users can find near-by doctors in any emergency situation at anywhere,appoint with them and send them prescription
Exception:	If the user doesn't have internet connection, he/she will not be able to access this feature Essential.must be implemented.
Priority:	Second increment
When available:	Always when user need
Frequency of use:	User
Primary actor:	Install/Update google map from play store
PostCondition:	Via control panel interface
Channel to actor:	Under development
Status:	Rafiq Hasan
Owner:	
ID:	05
Title:	Ambulance
Gole in context:	Find ambulance whenever they want when they needed without making any issue
Precondition:	Must be Android Device, Internet Connection & Login
Trigger:	To make a online based medical services
Scenario:	Users can find ambulance in any emergency situation at anywhere
Exception:	If the user doesn't have internet connection, he/she will not be able to access this feature Essential.must be implemented.
Priority:	Second increment
When available:	

Frequency of use:	Always when user need
Primary actor:	User
PostCondition:	Install/Update google map from play store
Channel to actor:	Via control panel interface
Status:	Under development
Owner:	Razia Anjum
ID:	06
Title:	Payment
Gole in context:	Can pay via cash on delivery or card
Precondition:	Must be Android Device, Internet Connection & Login
Trigger:	To make a online based payment system
Scenario:	Users can find all kind of payment method like cash on delivery,card,mobile banking etc.
Exception:	If the user doesn't have internet connection, he/she will not be able to access this feature
Priority:	Essential.must be implemented.
When available:	Third increment
Frequency of use:	Always when user need
Primary actor:	User
PostCondition:	Need sufficient balance
Channel to actor:	Via control panel interface
Status:	Under development
Owner:	Tashin Rahman
ID:	07
Title:	Update database
Gole in context:	Gradually update information
Precondition:	Must be Android Device, Internet Connection & signup database
Trigger:	To make automatically update information
Scenario:	Update information about user and services
Exception:	If the user doesn't have internet connection, he/she will not be able to access this feature
Priority:	Essential.must be implemented.
When available:	Third increment
Frequency of use:	Always when user need
Primary actor:	Admin
PostCondition:	Need to be sincere
Channel to actor:	Via control panel interface
Status :	Under development
Owner:	Kanzud Saiyara

### 3. Class Diagram:



## 4.CRC:

### Class: HomePage

Home page for user after opening the application

**Responsibility:** **Collaborator:**

Creates user interface after opening the app

Shows options of emergency and login

### Class: Signup

User interface for login

**Responsibility:** **Collaborator:**

Takes user input for name, email,

phone no, location, blood group, password

Saves information as blood donor

Creates new user account

### Class: Login

User interface for login

**Responsibility:** **Collaborator:**

Takes user input for email and password.

Recovers password if forgotten

Shows option for creating new account

### Class: City

Sending current location by one tap

**Responsibility:** **Collaborator:**

Choose contact number from phone

Enter phone number manually

Get current location and send to

selected number

pharmacy

Hospital

**Class: Doctor**

Users can find near-by pharmacies from anywhere

<b>Responsibility:</b>	<b>Collaborator:</b>
find Doctors sort by name	City
sort doctors list by	Login
speciality (Urologist, Pulmonologist, Eye Care & more)	
check Doctors Profile,doctor's Address,contact Details,distance	Review
services Provided by doctors,visiting Time	Available

**Class: Pharmacy**

Users can find near-by pharmacies from anywhere

<b>Responsibility:</b>	<b>Collaborator:</b>
find pharmacy sort by name	City
all details,Map location,Ratings for Pharmacy	Login
Check Profile, Address,contact Details,distance	Review
giving prescription by taking photo	Prescribe Medicine

**Class: Hospital**

Users can find near-by hospitals from anywhere

<b>Responsibility:</b>	<b>Collaborator:</b>
find hospital sort by name	City
all details,Map location,Ratings	Login
Check Profile, Address,contact Details,distance	Review
Open/Close Time	Specialities

**Class: Best doctor**

Users can find best doctor according to your location

<b>Responsibility:</b>	<b>Collaborator:</b>
Find best doctor	City
Collect doctors review	Doctor
Collect doctor rating	Review
Sort them by quality and alphabate	

**Class: Specialities**

Users can find best special hospital according to your location

<b>Responsibility:</b>	<b>Collaborator:</b>
Find best special hospital	City
Collect hospital review	hospital



**Class: Prescribe Medicine**

### **Users can find any rare medicine according to your location**

**Responsibility:**   **Collaborator:**  

Find rare medicine	City
Find rare medicine	City

Collect pharmacy review	Pharmacy

Collect pharmacy rating      Review

### Sort them by quality and alphabate

## Class: Review

## Collect review

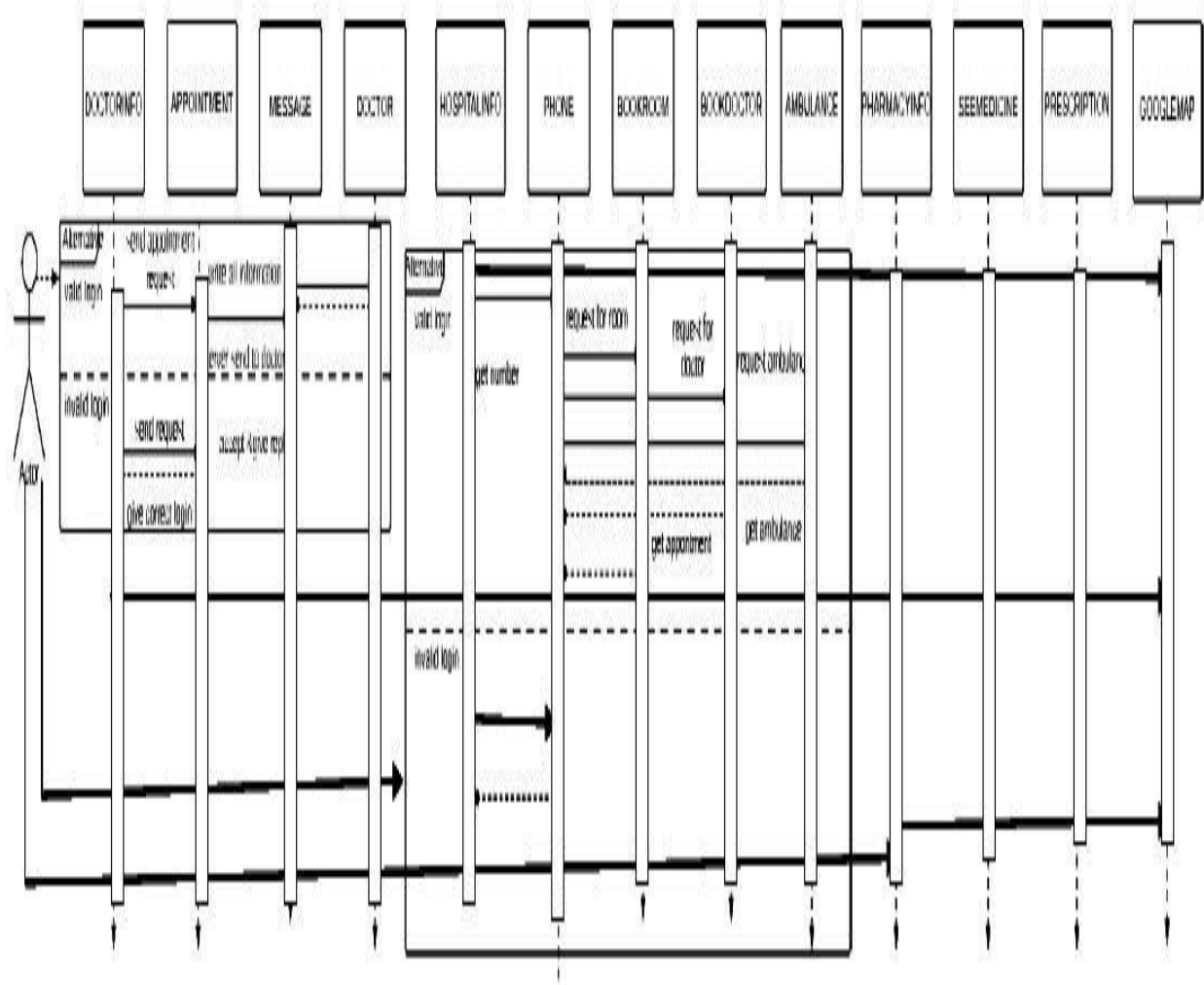
**Responsibility:**  **Collaborator:**

## Collect hospital review

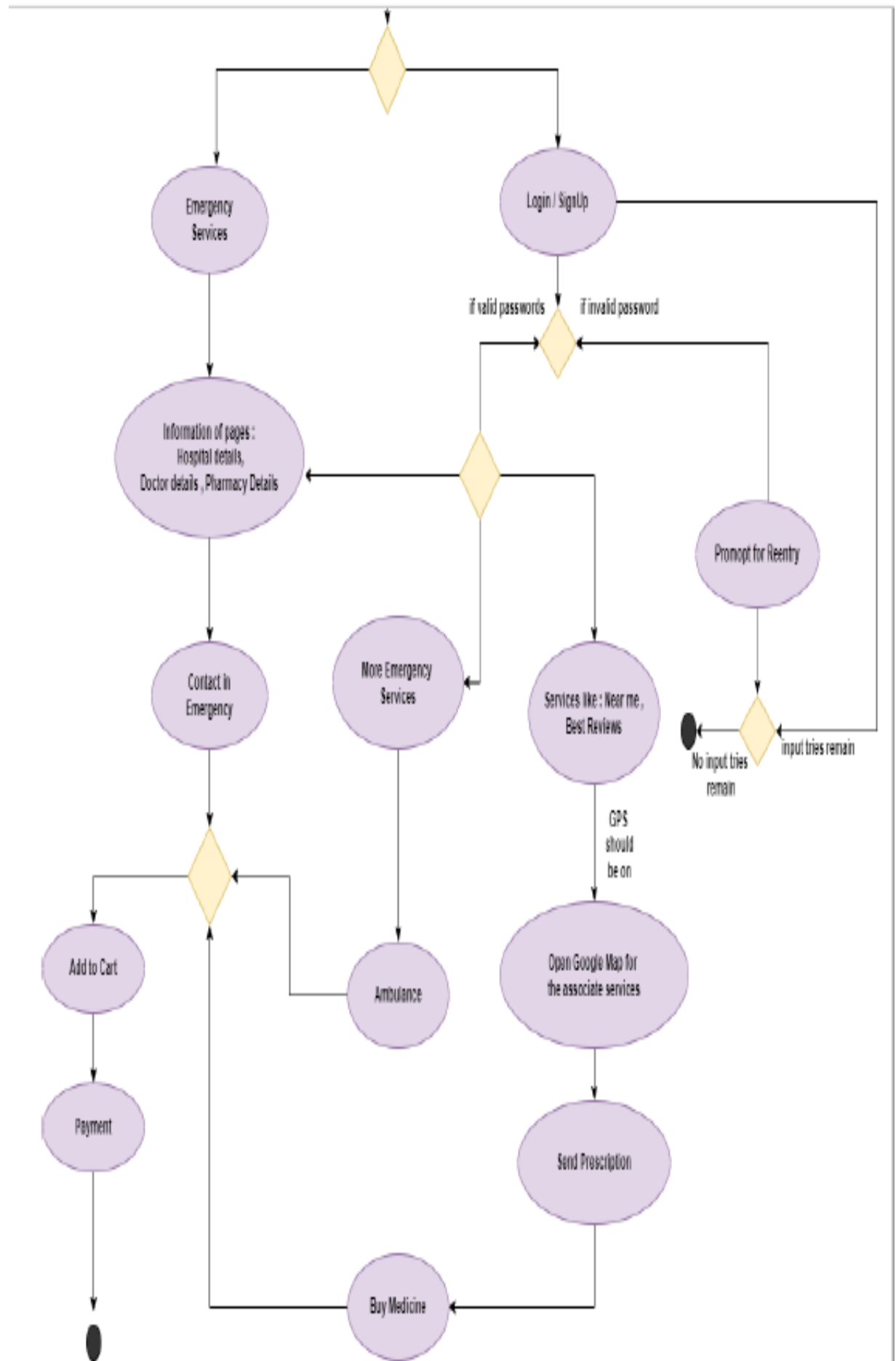
Collect doctors review

### Collect pharmacy review

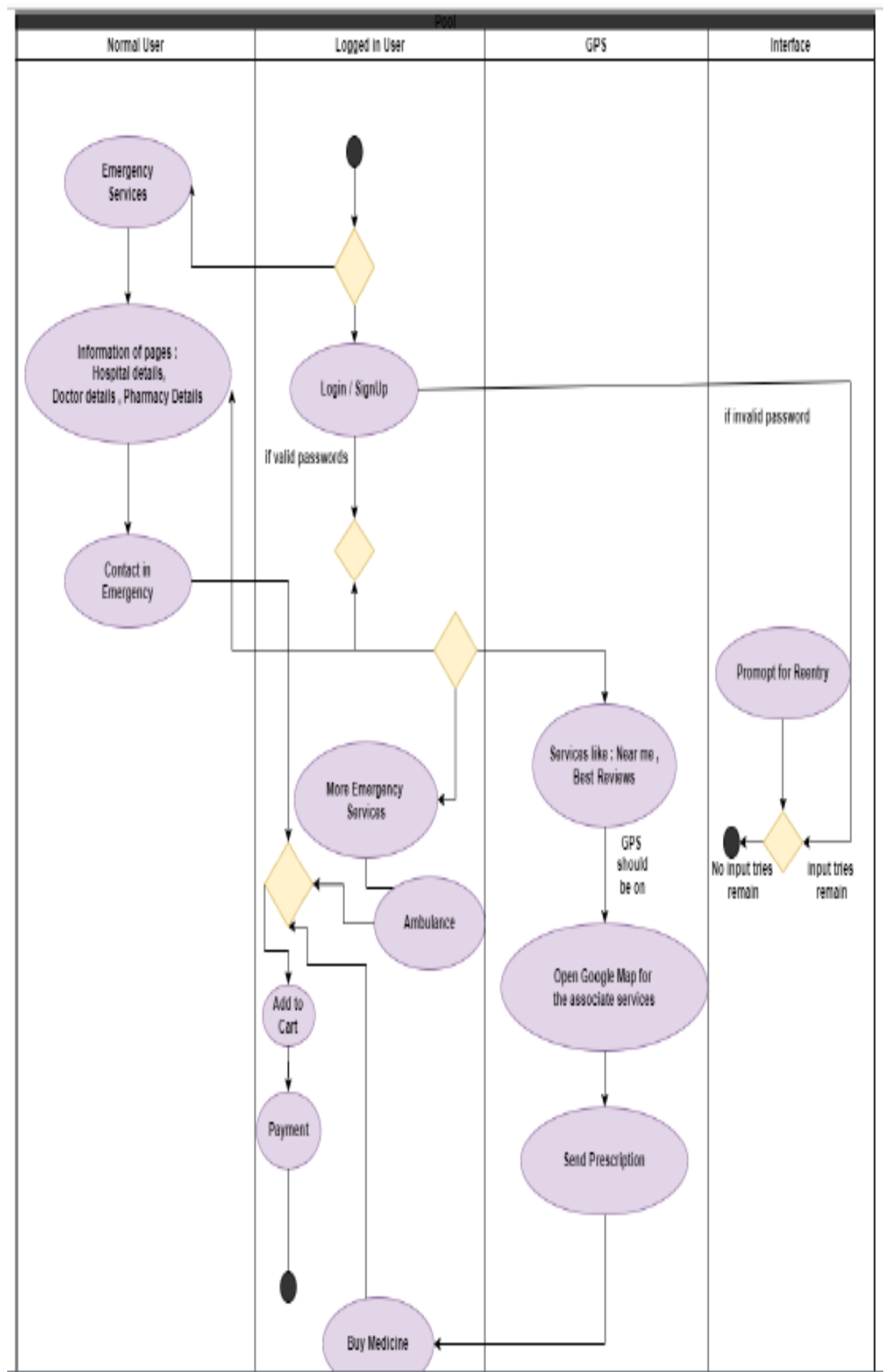
## 5.Sequence Diagram:



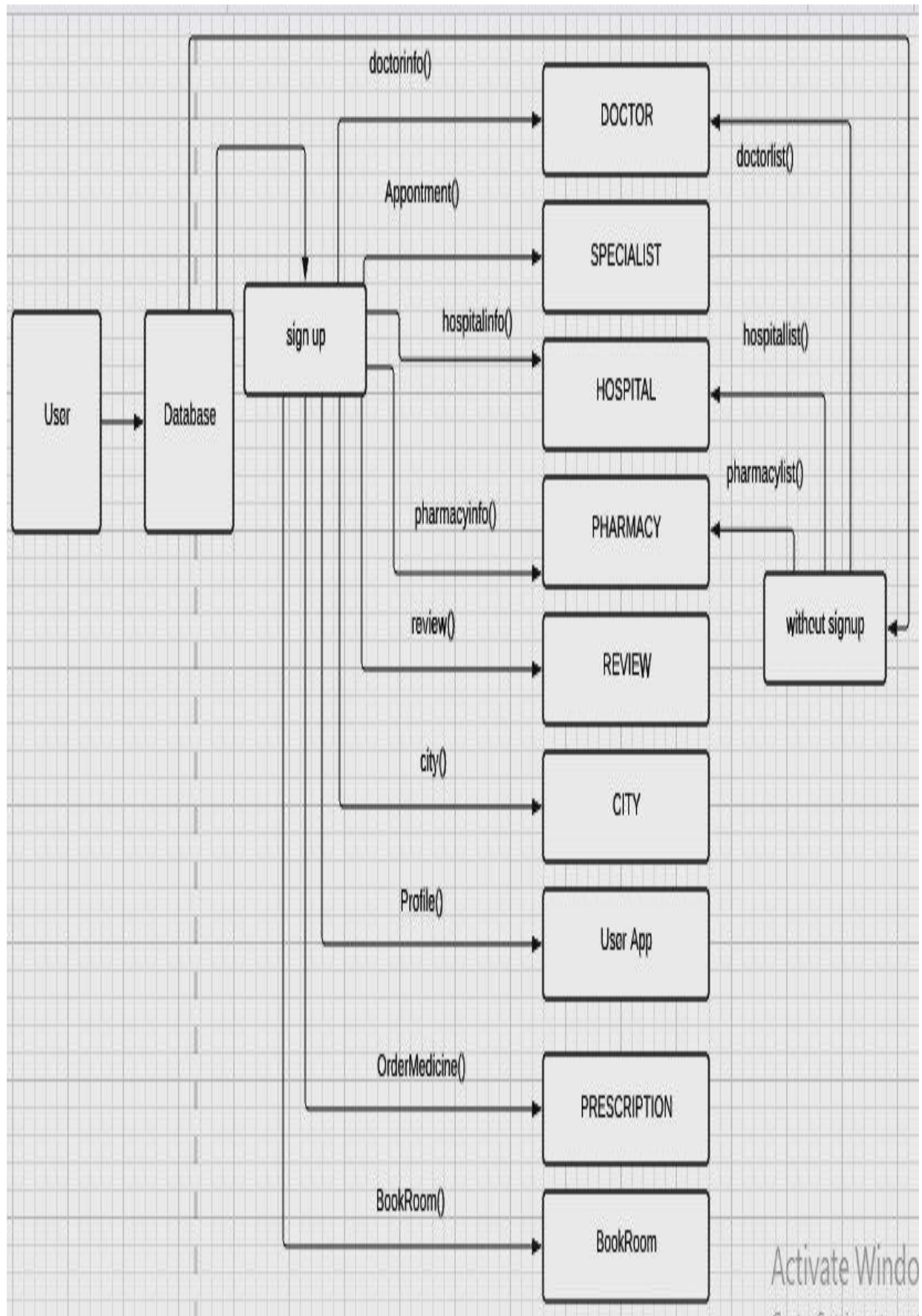
## 6.Activity diagram



## 7.Swim Lane Diagram:

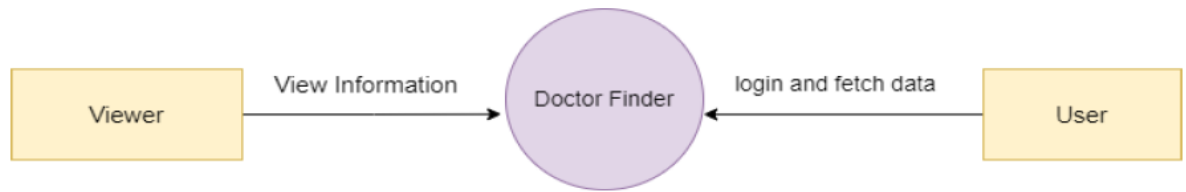


## Collaboration Diagram:

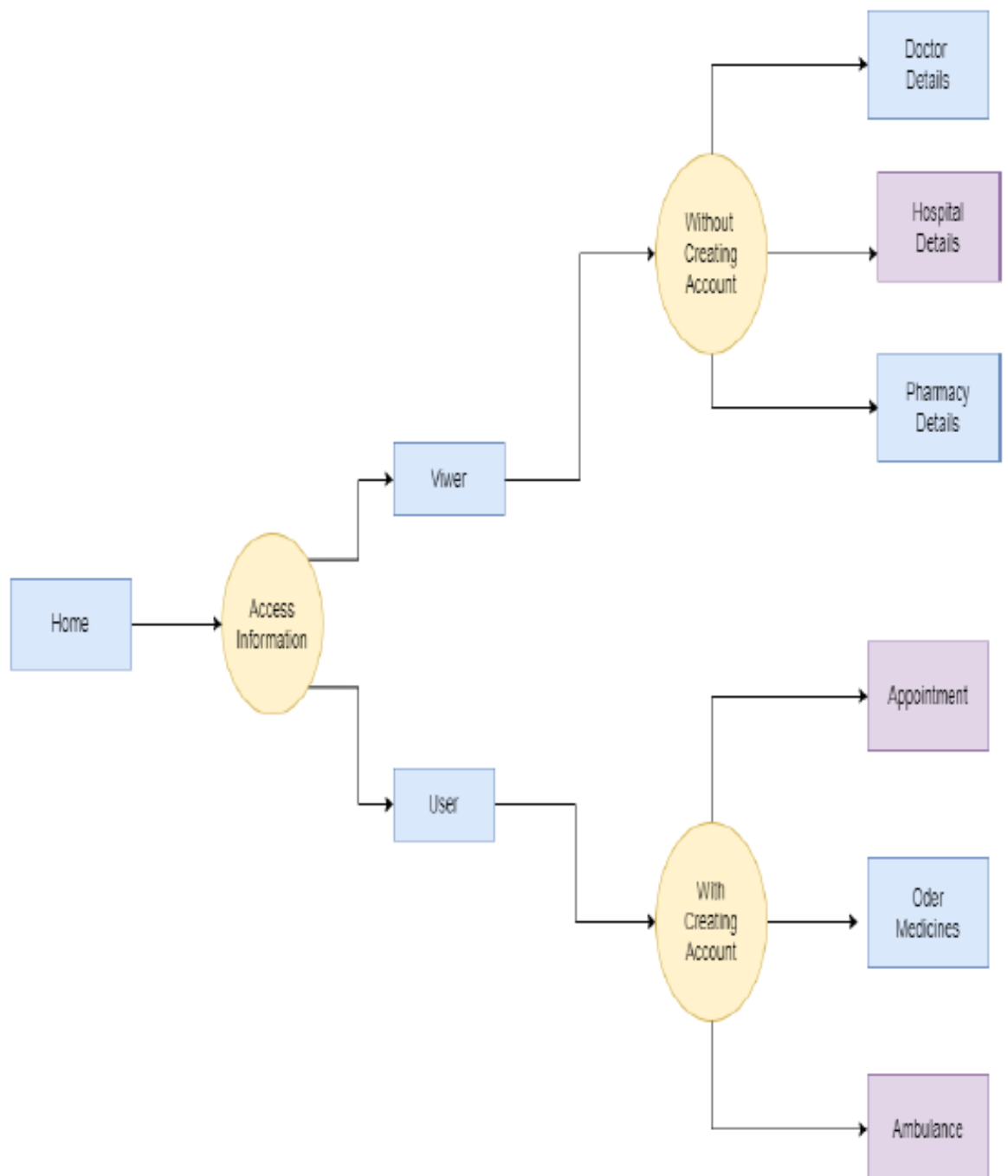


## Data Flow Diagram(PSPEC & CSPEC):

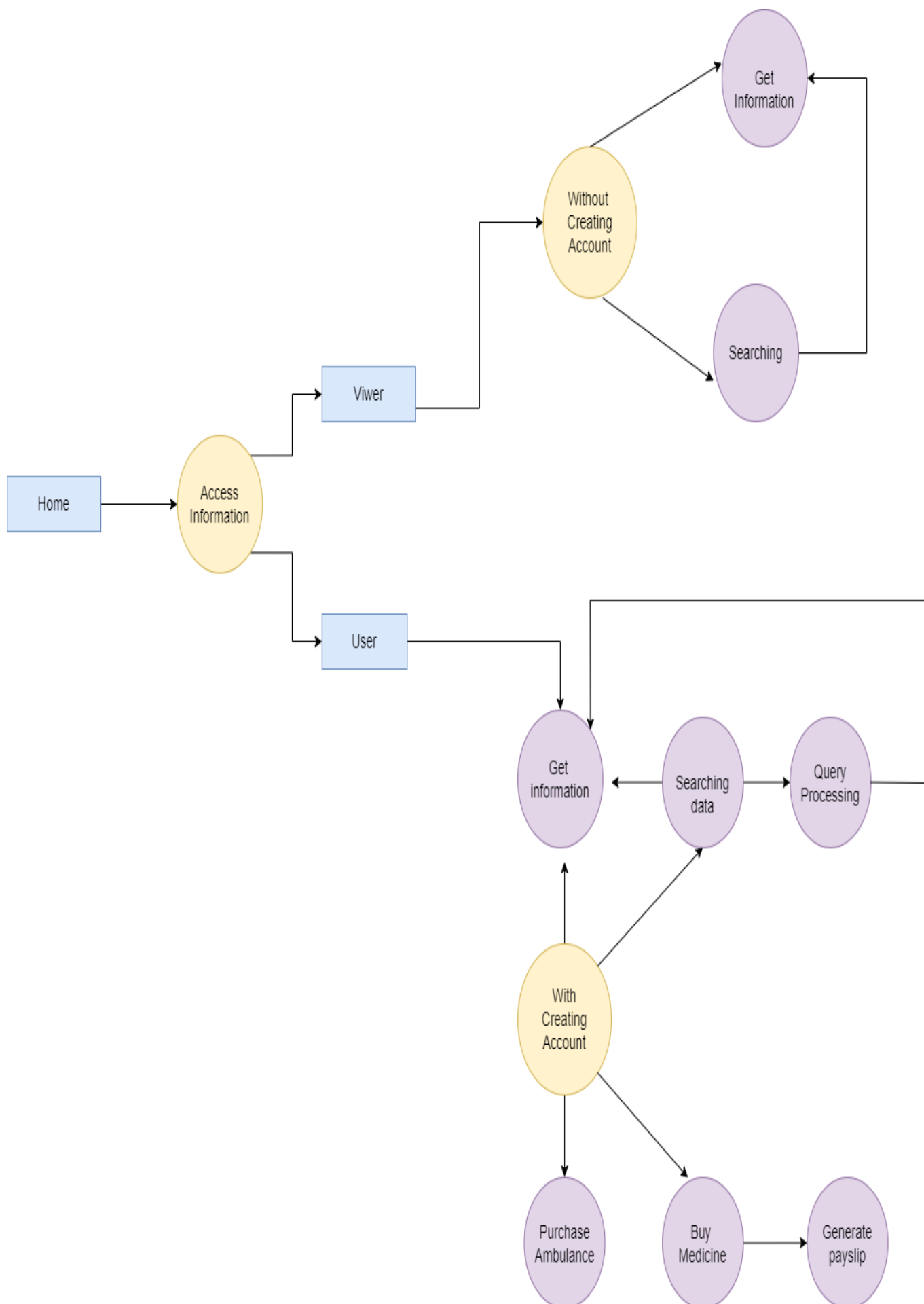
LEVEL 0(Context Level Diagram):



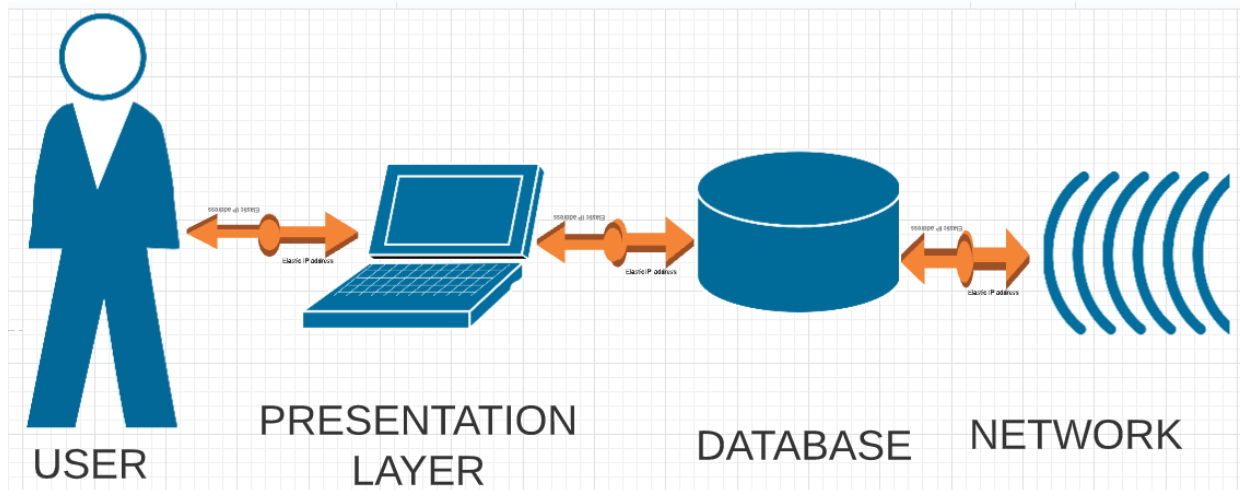
LEVEL 1 Diagram:



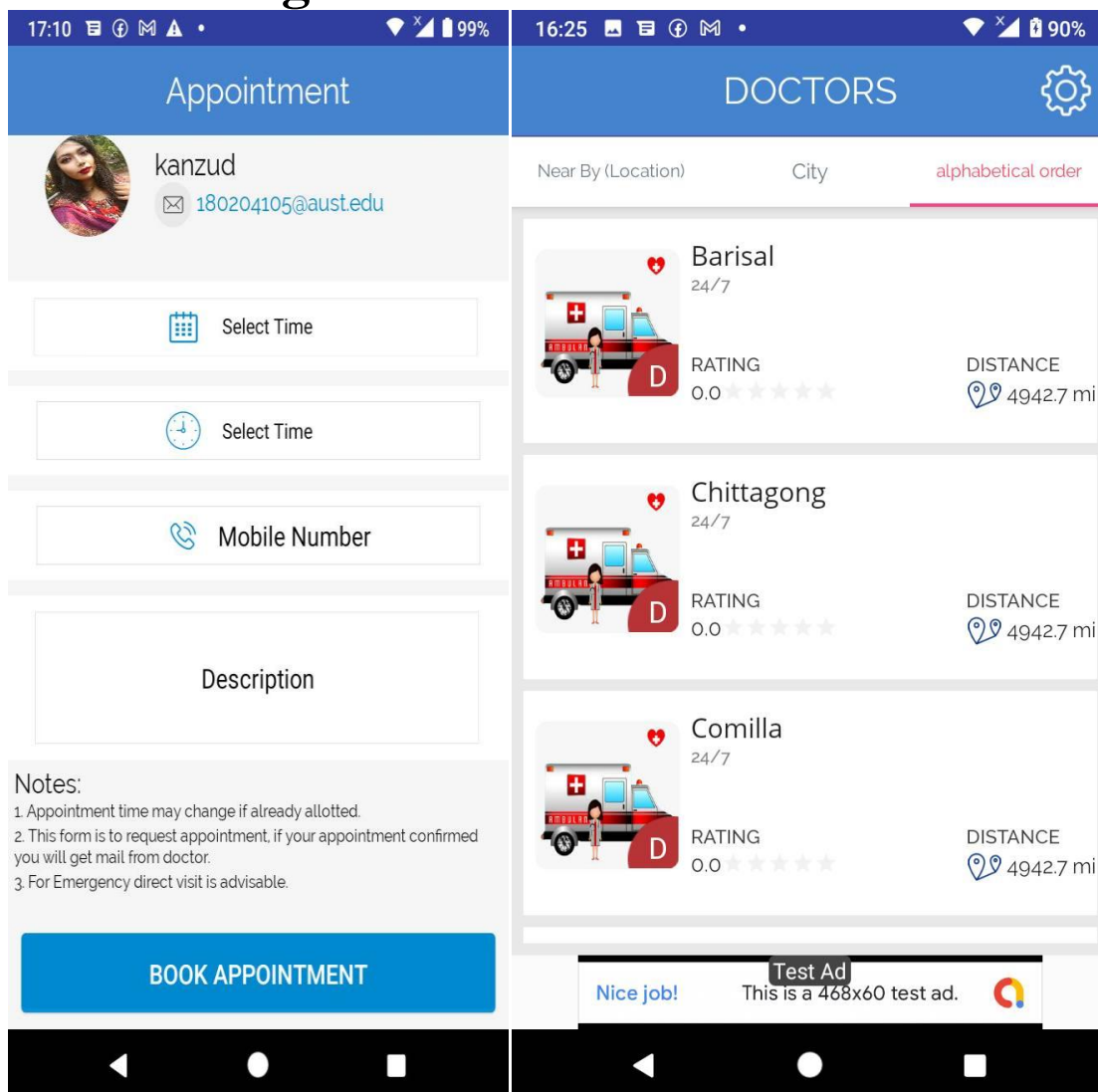
## LEVEL 2 Diagram:

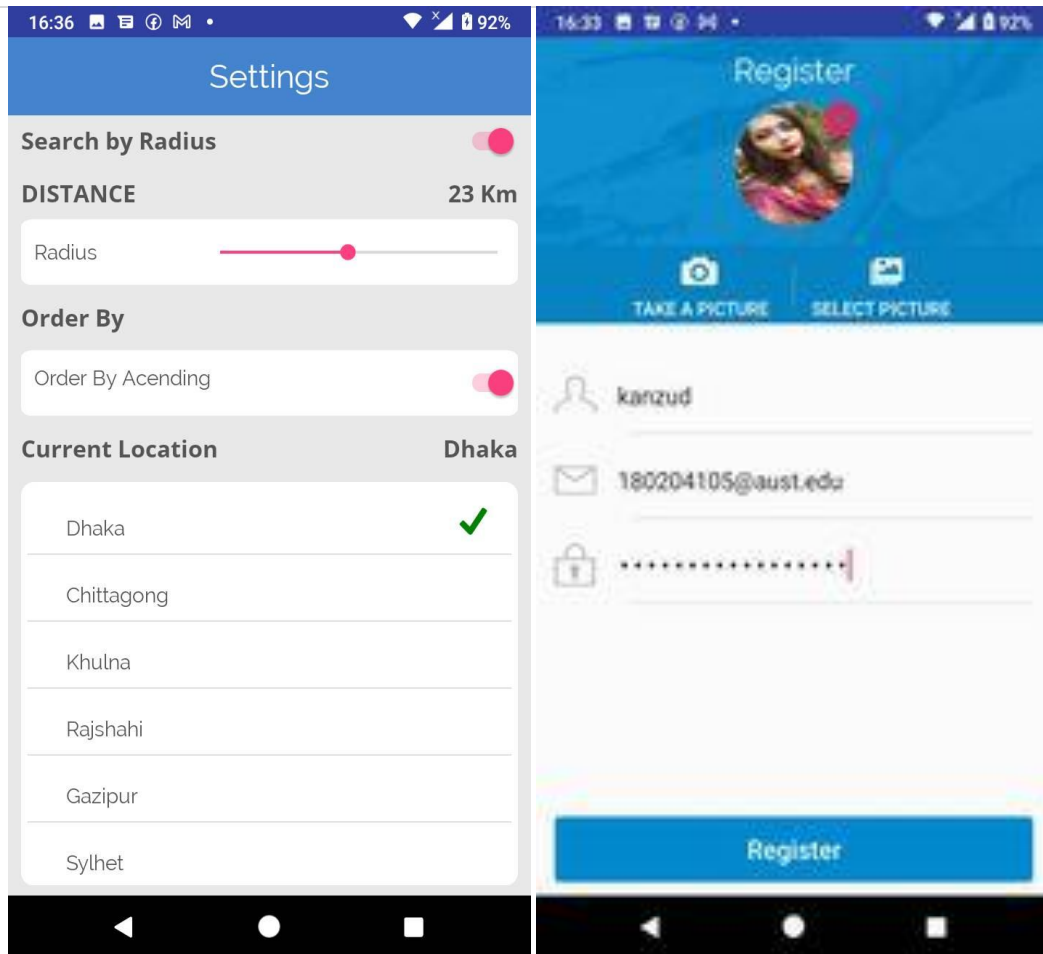


# System Architecture:



## UI/UX design:





## List Down Entities :

- Home
- Review
- User
- Login
- Signup
- City
- Doctor
- Hospital
- Pharmacy
- Specialities
- Available doctor
- Prescribe medicine



## The Entity and Attributes :

### ➤ User

- ☐ U\_name
- ☐ U\_email
- ☐ U\_address
- ☐ U\_pass
- ☐ U\_phone
- ☐ U\_image

### ➤ Login

- ☐ U\_name
- ☐ U\_email
- ☐ U\_pass

### ➤ City

- ☐ C\_id
- ☐ C\_name

### ➤ Review

- ☐ R\_no
- ☐ U\_id
- ☐ R\_Text Ratting
- ☐ U\_name
- ☐ D\_name

### ➤ Doctor

- ☐ D\_id
- ☐ D\_name
- ☐ D\_phn
- ☐ D\_mail
- ☐ D\_Vhour
- ☐ D\_details
- ☐ S\_id

➤ **Hospital**

- ☐ H\_id
- ☐ H\_icon
- ☐ H\_image
- ☐ H\_name
- ☐ H\_phone
- ☐ H\_email
- ☐ Open\_time
- ☐ H\_dtls

➤ **Pharmacy**

- ☐ P\_id
- ☐ P\_name
- ☐ P\_icon
- ☐ P\_image
- ☐ P\_phone
- ☐ Open\_time
- ☐ P\_dtls

➤ **Specialistes**

- ☐ S\_id
- ☐ S\_icon
- ☐ S\_name
- ☐ S\_type

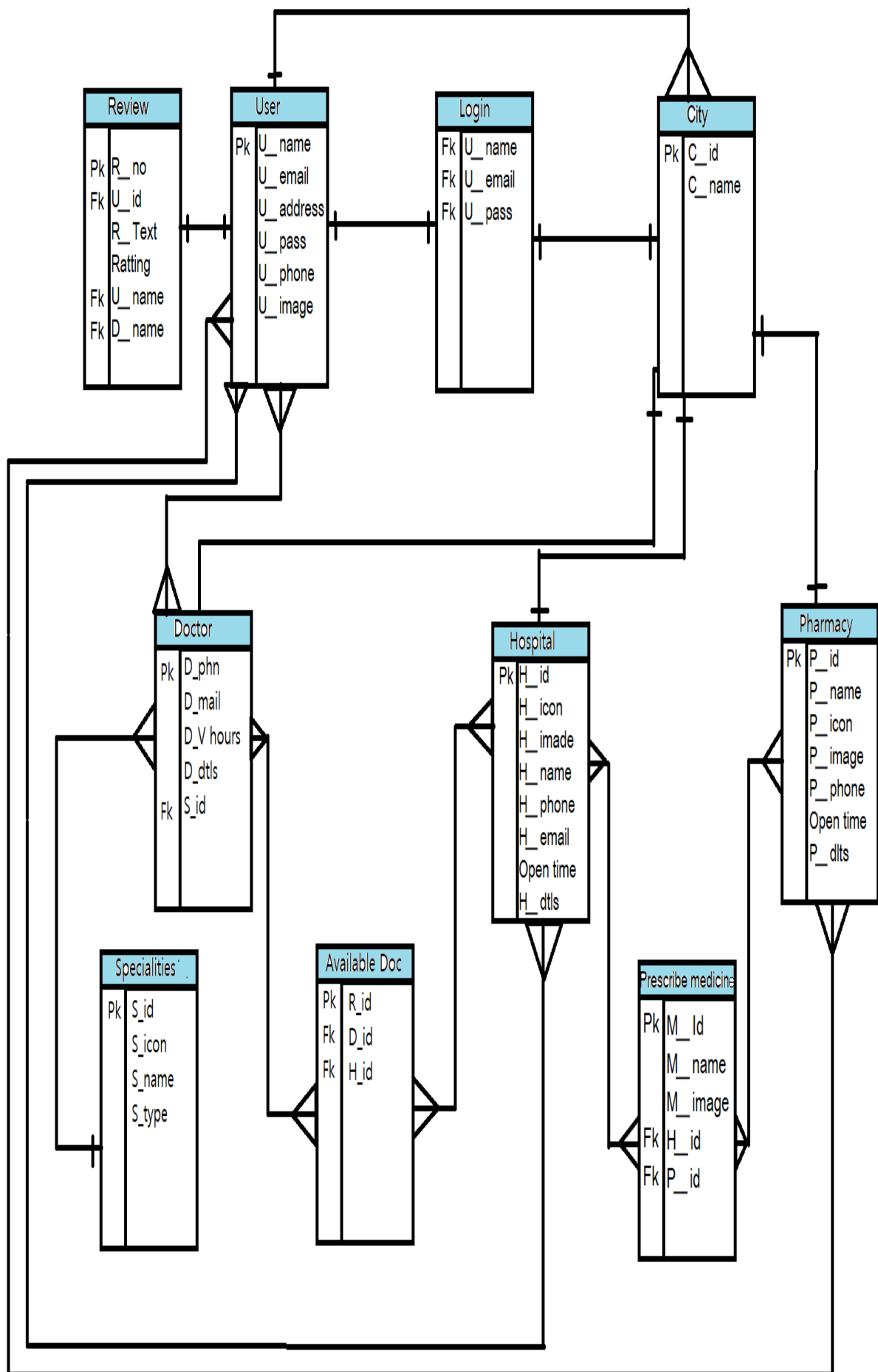
➤ **Available Doctors**

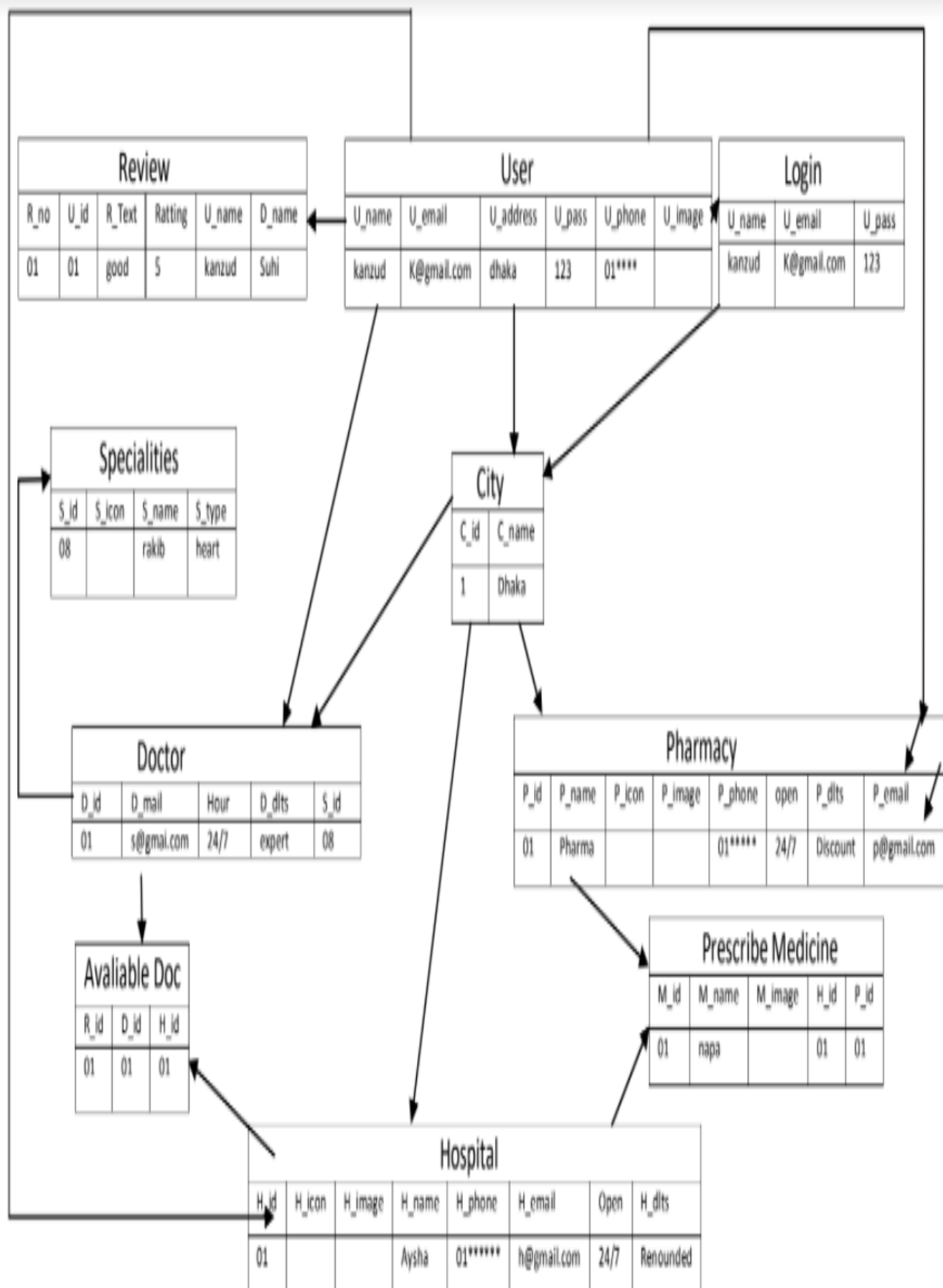
- ☐ R\_id
- ☐ D\_id
- ☐ H\_id

➤ **Prescribed Medicine**

- ☐ M\_id
- ☐ M\_name
- ☐ M\_image
- ☐ H\_id
- ☐ P\_id

# Schema Diagram:

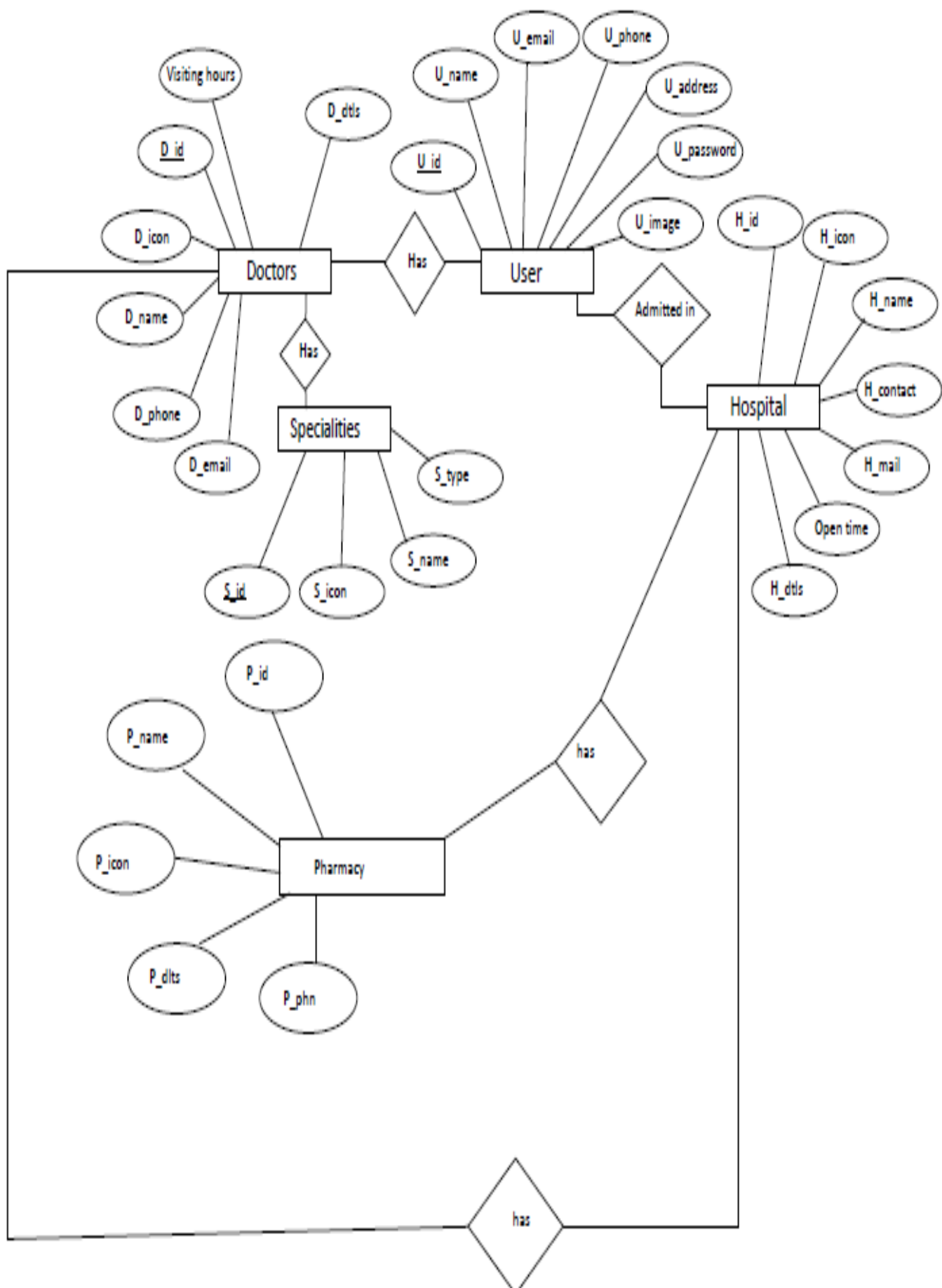




### Normalization of Doctor Finder database:

1. User(User\_id,User\_name,User\_email,User\_password, User\_image)  
 $\{User\_id\} \Rightarrow \{User\_name\}$  {functional dependency exist,because two different User\_name do not correspond to the same  
 $\{User\_id\} \Rightarrow \{User\_email\}$  {functional dependency exist}.  
 $\{User\_id\} \Rightarrow \{User\_password\}$  {functional dependency exist}.  
 $\{User\_id\} \Rightarrow \{User\_image\}$  {functional dependency exist}.
  
2. Doctor(D\_id,D\_name, D\_email,D\_Hor,D\_dtls, S\_id)  
 $\{D\_id\} \Rightarrow \{D\_name\}$  {functional dependency exist,because two different D\_name do not correspond to the same  $\{D\_id\} \Rightarrow \{D\_email\}$  {functional dependency exist}.  $\{D\_id\} \Rightarrow \{D\_Hor\}$  {functional dependency exist}.  
 $\{D\_id\} \Rightarrow \{D\_Hor\}$  {functional dependency exist}.  $\{D\_id\} \Rightarrow \{D\_dtls\}$  {functional dependency exist}.  $\{D\_id\} \Rightarrow \{S\_id\}$  {functional dependency exist}.
  
3. Hospital(H\_id,H\_name,H\_icon,H\_email,H\_dtls , H\_image)  $\{H\_id\} \Rightarrow \{H\_name\}$  {functional dependency exist,because two different User\_name do not correspond to the same  $\{H\_id\} \Rightarrow \{H\_email\}$  {functional dependency exist}.  $\{H\_id\} \Rightarrow \{H\_icon\}$  {functional dependency exist}.  $\{H\_id\} \Rightarrow \{H\_dtls\}$  {functional dependency exist}.  $\{H\_id\} \Rightarrow \{H\_image\}$  {functional dependency exist}.
  
4. Pharmacy(P\_id,P\_name,P\_icon,P\_email,P\_dtls , P\_image)  $\{P\_id\} \Rightarrow \{P\_name\}$  {functional dependency exist,because two different User\_name do not correspond to the same  $\{P\_id\} \Rightarrow \{P\_email\}$  {functional dependency exist}.  $\{P\_id\} \Rightarrow \{P\_icon\}$  {functional dependency exist}.  $\{P\_id\} \Rightarrow \{P\_dtls\}$  {functional dependency exist}.  $\{P\_id\} \Rightarrow \{P\_image\}$  {functional dependency exist}.

## Entity Relationship Diagram :



## Construction:

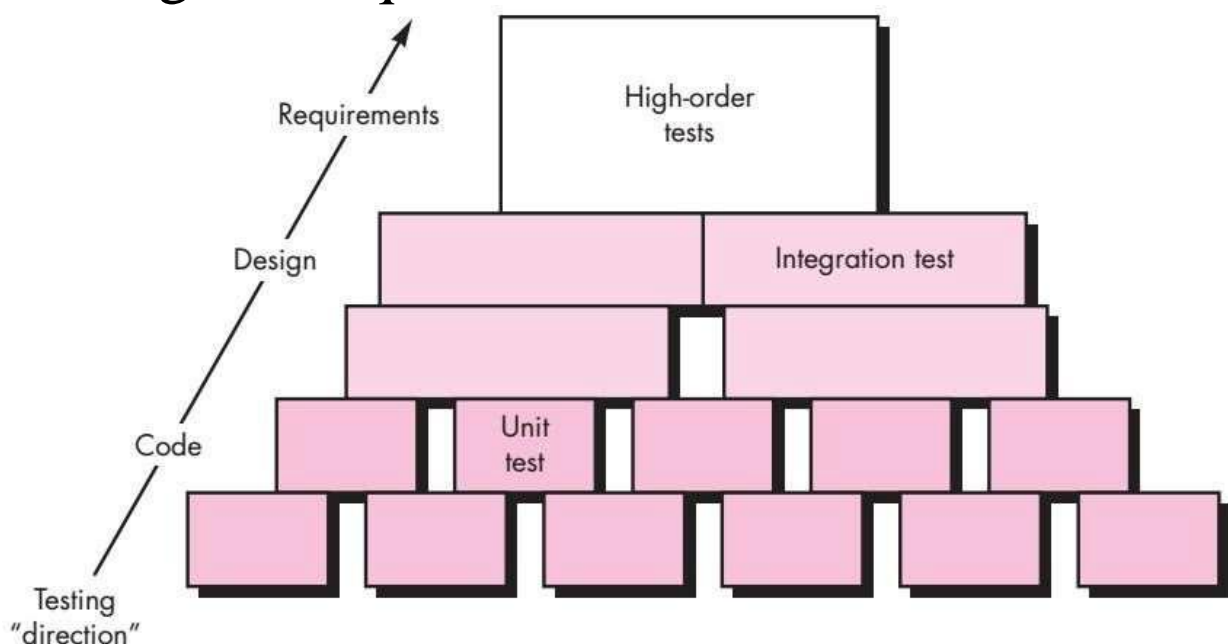
### Development Environment

- i. Development tools: Android Studio
- ii. Language : Java
- iii. Database : Firebase

## Testing Strategy:

First we solve small problem. Then we check individual

## Testing techniques



### a) Deployment:

Next time we will public it in play store.

### b) AMC:

Annual Maintenance Contract is all about the process to check the equipment's sold to the customers are well running and retaining the equipment keep running without any hazardous breakdowns happening.

### c. Support and Maintenance:

already we decided to make it payment system. Now we are

collecting tk

### Learning Experiences:

We learn so many things. we are so proud of this. We learn how to make a project. how to communicate with people and for making a project extra ordinary we need diagram and model.

### Conclusion:

We hope that this App will fulfill the needs of information and help people by providing useful health services.

We will try to develop the application for various platforms to reach out to as many people as possible.

By this App we are trying to build a media which will be able to fulfill all health related requirements .



