

*Proposal  
on*

# ***Doctor Finder App***

*Prepared for*  
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**Course Number: CSE3224**  
**Course Name: Information System Design and Software Engineering Lab**

*Prepared by*

**Lab Section: B1**

**Group No: 06**

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**Date: 04-01-2022**



**Ahsanullah University of Science and Technology**  
**Department of Computer Science and Engineering**

## **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 free 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
Construction.....	14
Conclusion.....	15

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**

**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,**

<b>Kanzud Saiyara</b>	<b>18.02.04.105</b>
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<b>Nazifa Anjum</b>	<b>18.02.04.103</b>
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<b>Mohammad Rakibul Hasan</b>	<b>18.02.04.102</b>
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<b>Md Zahin Mobashshi</b>	<b>15.01.04.131</b>
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**Date:04.01.2022**

## 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 free 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 four people. We are – Kanzud Saiyara, Nazifa Anjum, Mohammad Rakibul Hasan and Md Zahin Mobashshi. Kanzud and Nazifa are the project's front-end developers. The majority of the backend work and database is handled by Rakibul and Zahin. The main role of Analyst is done by Kanzud and Zahin and of Programmer is done by Rakibul and Nazifa. Without this all the features are done by all of us.

## 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.

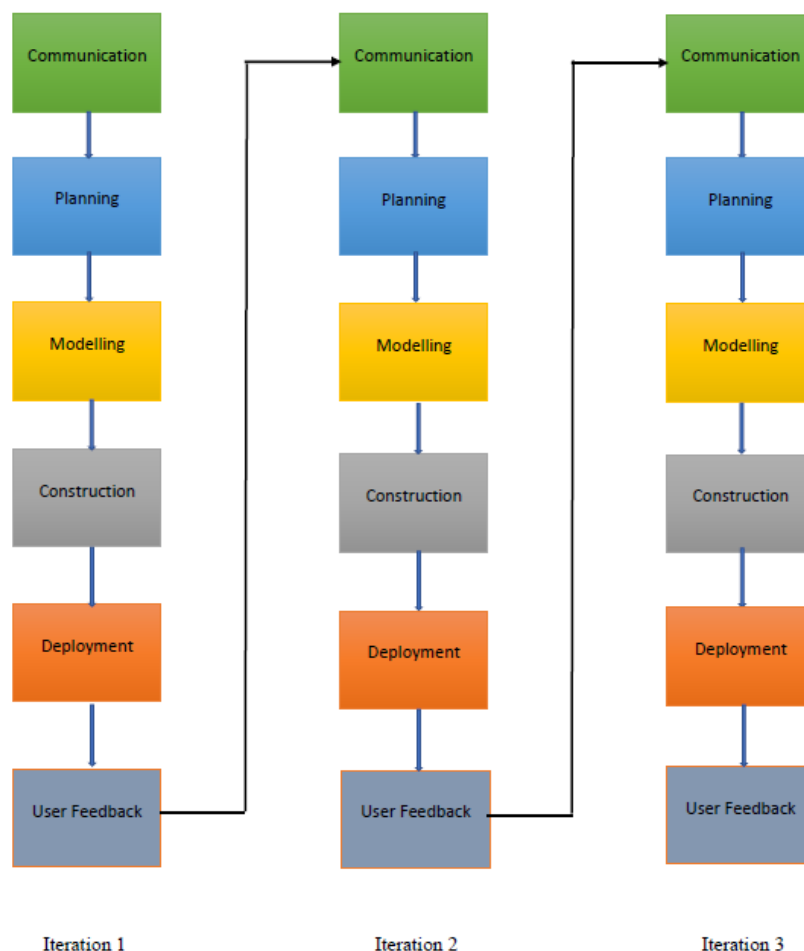
## Objectives:

- 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.

## Process Model:

Agile Model is a process of software development where requirements are divided into multiple modules of the software development process. In this model, each module goes through the requirements, design, implementation and testing phases. Every subsequent release of the module adds function to the previous release. The process continues until the complete system is achieved.

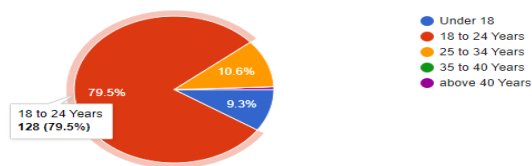


Our project has separate modules such as profile creation, verification, project display, payment method, transportation book, packages and group building, admin module etc. We have clearly outlined the requirements of our project. Moreover, our project is under development. We assume that the agile 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:

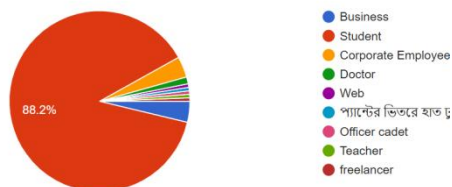
Your Age

161 responses



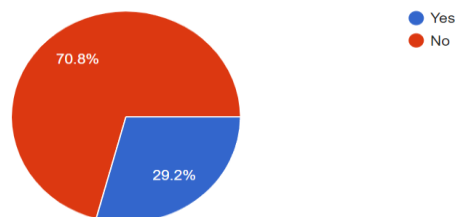
Your occupation

161 responses



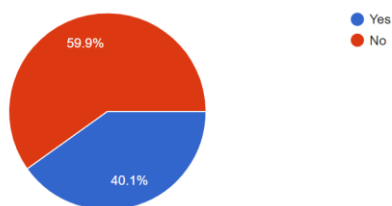
Do you know how many doctors live near you?

161 responses



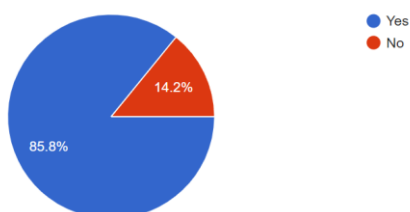
Do you know which doctor is best for you?

162 responses



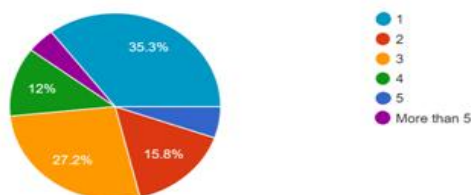
Do you want to contact with doctor anytime sitting in your own home?

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



## Project Scheduling:

	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

Discount Rate\*

Initial Investment\*

Negative (-) value represents an outflow (investment)

### CASH FLOWS

Cash Flow Benefits - Year 1\*

CASH FLOWS

Cash Flow Benefits - Year 1\*

Cash Flow Costs - Year 1\*

Cash Flow Benefits - Year 2\*

Cash Flow Costs - Year 2\*

Cash Flow Benefits - Year 3\*

Cash Flow Costs - Year 3\*

Cash Flow Costs - Year 3\*

Cash Flow Benefits - Year 4\*

Cash Flow Costs - Year 4\*

Cash Flow Benefits - Year 5\*

Cash Flow Costs - Year 5\*

### CALCULATED VALUES

### CALCULATED VALUES

Sum of Discounted Cash Flows (Benefits)

Sum of Discounted Cash Flows (Costs)

Benefit Cost Ratio

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

## Cost benefit analysis:

- For my project cba= 0.8.

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

- There is no risk in long term
- We are not use vehicle so we can save the billing money
- We can get 3in 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

## **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:**

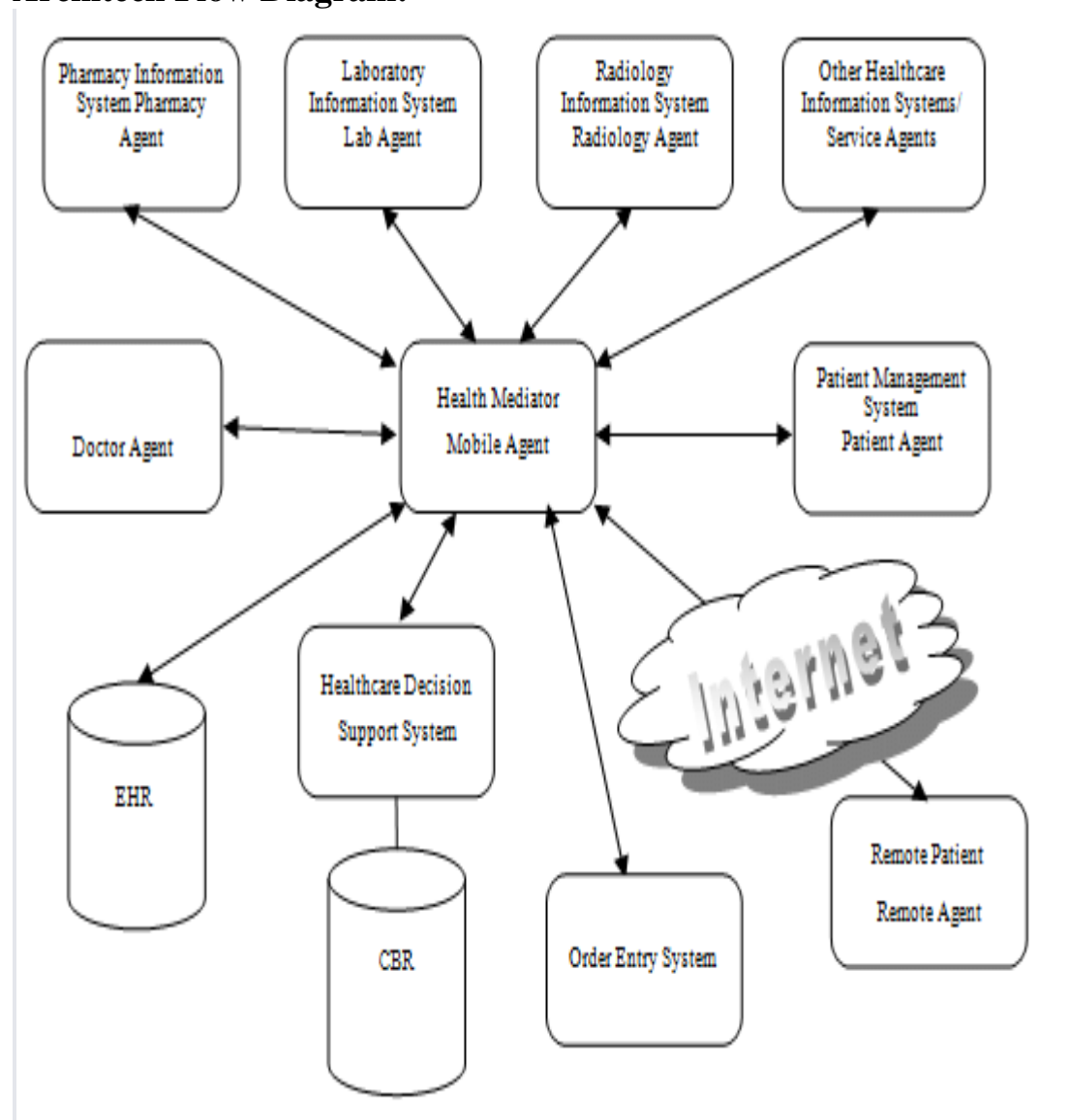
1. As android studio is an open source system software, so we don't need to buy this app to develop.
2. A team of five members require to complete this risk.
3. Approximately seven weeks may required for developing this app.
4. Extra bills for phone call/ internet data is needed for communicating with 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

## Construction:

Development Environment

i. Development tools: Android Studio

ii. Language : Java

iii. Database : Firebase

## 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 .