Online Pharmacy (an Android Application)

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Abstract— **I am making an android app which will provide a platform for pharmacies to sign up for online delivery of maediciens and customers to register themselves and buy medicines online from the registered pharmacies.**
I will use Google's mobile and web application development platform ,firebase database in the backend to seamlessly synchronized changes in data in realtime across all running instances of the app.
Important feature:
One tap Ambulance Booking
Now a days online cab booking is used world wide on a large scale,this app introduce one tap ambulance booking.This eliminates delay and saves time which can be crucial in an emergency .with the integration of Google maps API ,the app shows the nearest hospitals which the user can navigate to via jst one tap.
Statical Analysis of business Trends
Leveraging the power of data visualization libraries, the app delivers incisive and highly useful insights into the latest trend in medical purchase made on the platform.
Dashboards
There are 3 dashboards interefaces for customers, vendor and admin. All the essential options are available for customers and vendors. Admin can mange manage there vendors and customers.

Keywords: **Android application, Problem formulation, Architecture desgin**

I. INTRODUCTION

An online pharmacy is an internet-based intermediator that sells medicines and includes both legitimate and illegitimate pharmacies. Independent Internet-only sites, online branches of "brick-and-mortar" pharmacies, and sites representing partnership among pharmacies fall under the purview on "online pharmacies. The main aim of this online pharmacy android app is to provide pharmacy in hand of each and every individual. This app is using google firebase to manag database of medicine and general store and buyer. Buyer pick a location of their nereby as our app facilitate google map for location. Buyer can select medicine as per their needs and add them into cart and can order on reasonable prices. Buyer also have facility to view expiry of medicine when they selecting and also they are free to choose any of registerd pharmacy to give their order.Also they can take subscrpition to making for extra discount.

a. This application is very useful for everyone it is not limited to a range or some specific person it can be use by anyone by creating account. Buyer and seller both can can register here. It is an integerated app.

II. RELATED WORKS

In research [1] the we talks about the basic structure and application framework of Android operating system. In [2] we see how we can choose the best database system for our applications out of the already available options. In [3] we learn about the various ways to connect our application to network and fetch the required data. While in [4] the author explains about their research and development strategies of mobile application for android platform. n. A mobile application to evaluate English pronunciation skills is reported in research work [4]. In this app, the user is provided with random English words which are fetched from the firebase Database.. In paper [5] the authors have developed an android application which can track the nutritional consumption of the users. The application was developed using Android Studio. In the research paper [6] The users can search for nearby pharmacy store where a particular drugs is available. The location of the user is determined by the GPS (global positioning system) system of the mobile phone.

III. OBJECTIVE AND SCOPE

Sole purpose of this app is to provide quite easiness in ordering medicienes at your door steps and various retailer options ,Discount and more details.

Detailed information gathering has to be done. Without that the purpose for using the software wont be satisfied properly. However it can give good profits in the long run. Implementing the software requires change in the business practices. Efficient organization of all knowledge is the analysis company and easy analysis access and retrieval of information is possible. In this project we can also include BAR CODE facility using the bar code reader, which will detect the expiry date

and the other information about the related medicines. Company using this software will always be able to plan in future and always be aware of their financial position in the market. It leads to streamling of business processes. The implementation and maintain costs run very high (about 2 to 3 % of the company's revenue.)

IV. PROBLEM FORMULATION

Every thing is becoming digital is now a days it also a stand in this digital world. Every people wants all the things on their fingertips so we carry pharmacy on their finger. Also it is very useful for old ages person they feel tiredness in walking so they need not t walk for medicine because of our app.

V. ARCHITECTURE DESIGN

Here, we have shown the login activity diagram and its flowchart which explains the login procedure of "Book-hub".
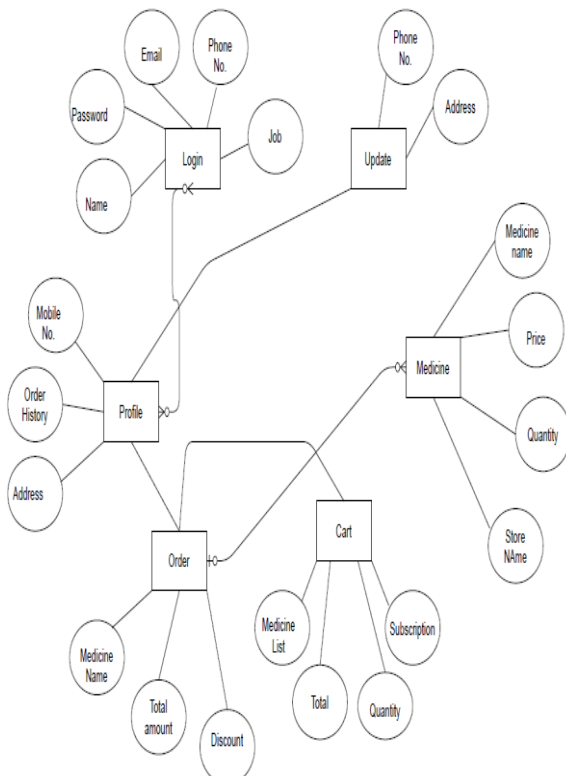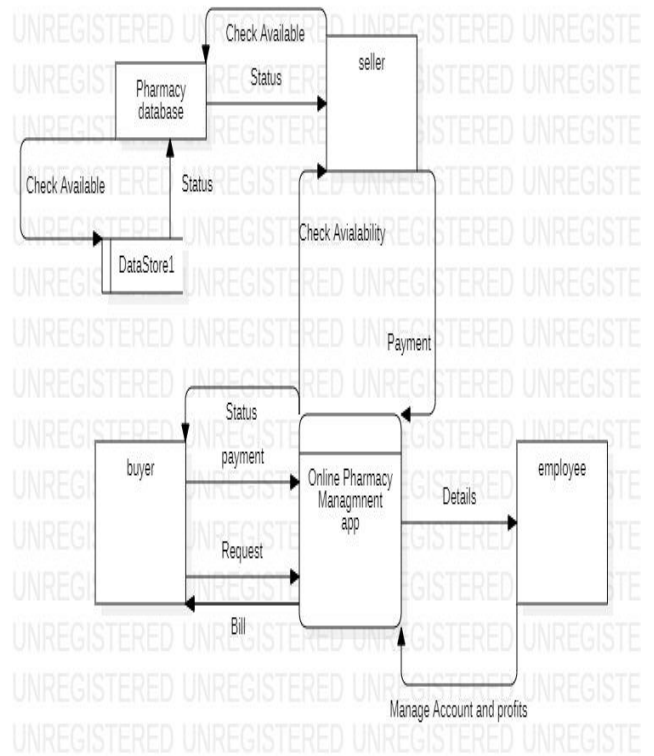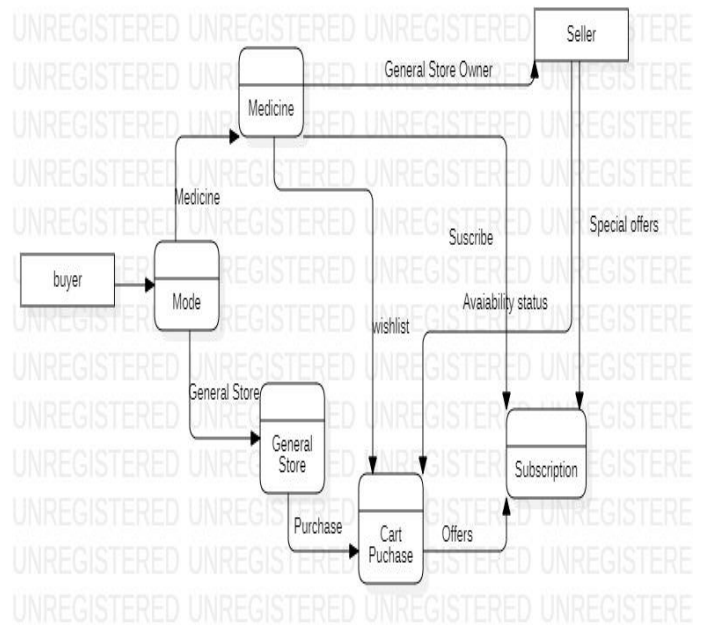

Fig. ERD DAIGRAM

Fig. Data flow daigram level 0

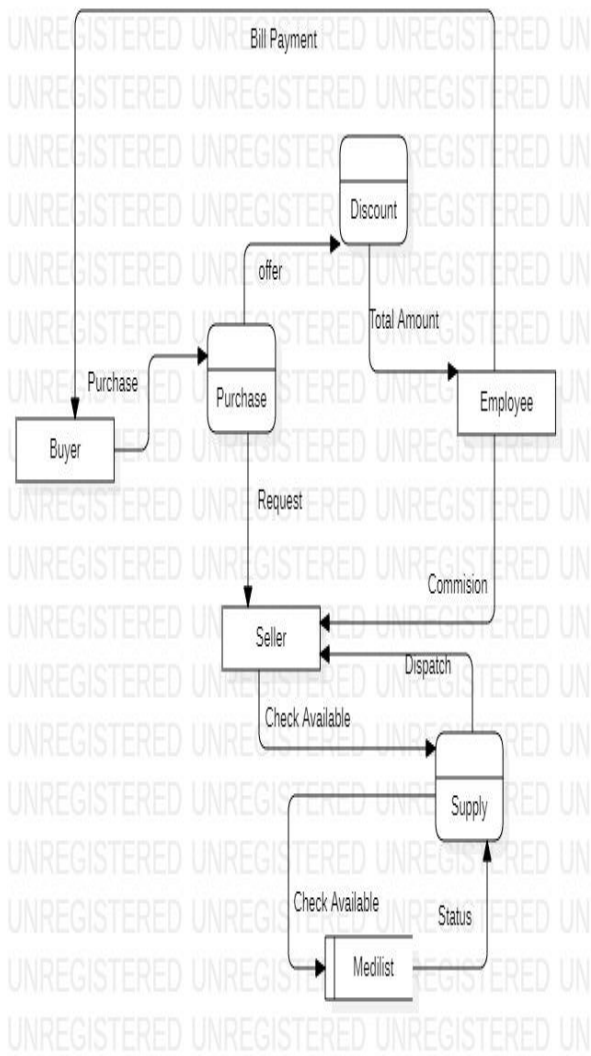
Fig. Data flow daigram level 1

Fig. Data flow daigram level 2

VI. FEATURES OF THE APPLICATION

Being an android application, which are very well available, Medicine Delivery is user friendly and doesn't require any particular knowledge.

It consists of features like:

1: Sign in window:

The Sign in window consists of two text boxes where we have to provide our registered email id and password. Also there are some more options to sign in like social media handels like google, facebook,twitter and linked in.

And there is also a button name create on clicking this user will redirect to create account page.


2: Logged in window :

On this screen user will see options like Profile, Cart, Subscription, Emergency and a list of medicine having there name and price. There also a search bar where you can search a medicine by typing and also user scan medicine reper.
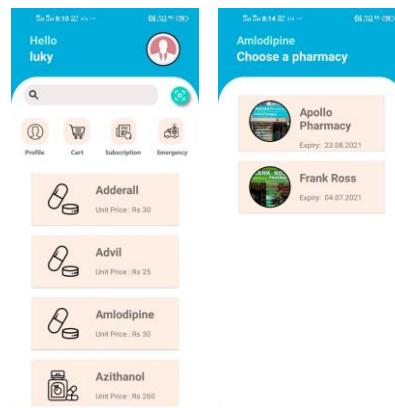
On clicking to any medicine user get the list of details of pharmacy from where you can purchase it.

3:Profile Button:

On clicking to Profile button user will go to there profile section where DP,name, email, id, phone number and address is visible.you can update mobile number and addresh there also address can be self identified by GPS service.
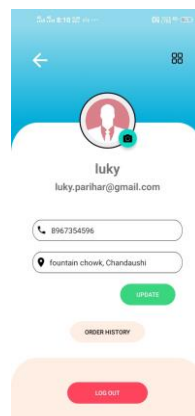
4: Subscription and cart :

User can have subscription to avail discount on selected medicine of for period of time. Cart is look like the given window.
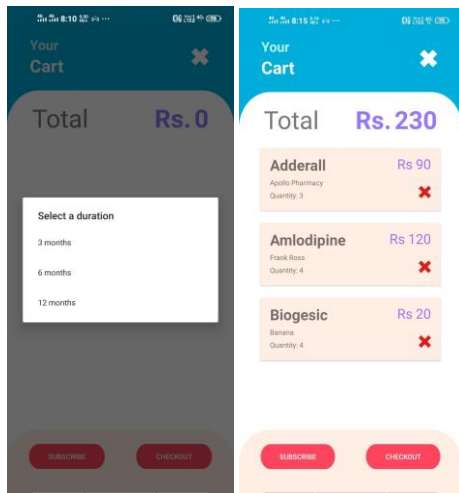
6:Types of User :

User can register yourself as Employee, Vendor and Buyers

Employee can see how many Buyers, Vendors and Employee are registered with this app and there details.

Vendors upload there pharmacy details and medicine they have,location and phone number.

5: Emergency:

User can call ambulance in case of emergency through our app it will check real time location and tells us how many ambulance available in our area and where it is. You can directly tap and make a call to contact.

VII. CONCLUSION AND FUTURE SCOPE

Detailed information gathering has to be done. Without that the purpose for using the software wont be satisfied properly.
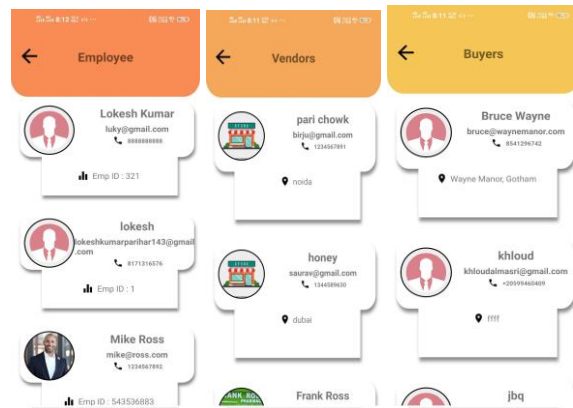However it can give good profits in the long run.
Implementing the software requires change in the business practices.
Efficient organization of all knowledge is the analysis company and easy analysis access and retrieval of information is possible.
In this project we can also include BAR CODE facility using the bar code reader, which will detect the expiry date and the other information about the related medicines.
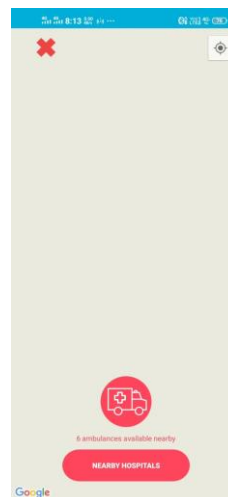Company using this software will always be able to plan in future and always be aware of their financial position in the market.
It leads to streamling of business processes.

The implementation and maintence costs run very high (about 2 to 3 % of the company's revenue.)

VIII. ACKNOWLEDGEMENT

IX. LIMITATIONS

This app is limited in mega cities because everyone has knowledge about android phone good and stable internet connection can be obtained in cities . reach of people is good in cities.

The temptation to do self-medication. By choosing drugs online, a person has a great temptation to do self-medication. You do not need to go to the doctor, and the instructions to the medicine can be found on the Internet (in online pharmacies) or "run through" forums where users will tell about their experience of using this or that medicine. By practicing self-medication, you can cause irreparable damage to your health, especially when it comes to potent drugs. Unfortunately, a person can buy practically all medicines without a prescription;

Time for the delivery of drugs. Unfortunately, there are cases when you need the drug urgently, but you have to wait until you get the drugs.

But we try our best to minimize its limitation in future.

X. REFERENCES

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