MEDICINE DELIVERY APP: HEALTHCARE TRANSFORMATION THROUGH TECHNOLOGY

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ABSTRACT

Increasing advancement in technology can turn up for the good of the society and here we are planning to bring change in health care and services. The ultimate objective here is to design a medicine delivery app that can perform medicine delivery with ease and with a much better secure system. The currently available medicine delivery system are not operational in Kerala and other disadvantages are promotes the use of illegal drugs, delay in delivery and does not provide all facilities. The proposed medicine delivery app is designed in such a way that it is secure that it reduces the exploit use of drugs and get it delivered within a hour.

Keywords: Medicine, Delivery App

1. INTRODUCTION

Most of you will be familiar with the apps called Swiggy, Zomato, and Uber-eats. Actually we are planning the same, but to deliver something else. People after some particular age, it will be difficult for them to medicine stores, get medicines and return home safe. So, you can now order your medicines online with a special care for the OLD(25% discount on bill amount). And the best part is most of these services have presence on web and as mobile apps. The pharmacy and the concept of online medicine retail will reach around $26 billion by 2018. According to a recent study as published by the Mobile Health Market Reports, the figures of health mobile apps will increase up to 3.9 million and out of this a major portion will be dominated by the pharmacy, drugs and medicine selling mobile apps .We will pick the top apps for ordering prescription medicines.

2. BACKGROUNDSTUDY

To understand how a delivery app works and here we are taking most two popular apps, **Inayo**and **Book MEDS**. In both the apps, you can order medicines online. Inayo is Mumbai based and delivers medicines in under 90 minutes. The app lets users maintain anelectronic medical history.Users can also book lab tests online, and gets reports delivered at their doorstep. Whereas in Book MEDS, its Hyderabad based and does the same, but with some delay in delivery.

In both apps, you can order by uploading the prescriptions or by selecting the medicines from the appropriate categories like OTC medicines or pharmaceutical drugs or other accessories. Book Meds has a well-designed, easy-to-follow website. Their mission is to reach $1 billion in revenue and capture 3-5% of Indian Pharma-Retail market-share by 2020 and careful expansion to at least 5 countries outside India and Inayo estimated to reach aboutUSD160 billion by 2018, and USD 280 billion by 2020 and so far mobile-centric digital-health startups have collectively raised over USD1.3Billion.

But even though it's good as you feel, there are drawbacks as you know deeper about the practical side. The users can exploit the use of pharmaceutical drugs as he/she can upload a fake prescription and get that delivered/ordered. Both the apps only allow cash on delivery facility and in Book MEDS, it takes 24 hrs. to get the medicines delivered. It takes an efficient system to solve all of the

above negatives and we are planning on bringing that up, i.e.**, Medlove.**

3. DESIGN

CONSTRAINTS
● Should be userfriendly
● Should be costeffective
● Delivery should be smooth andfast.
● Should be immune tobugs.
● Should be easy to use for theold.
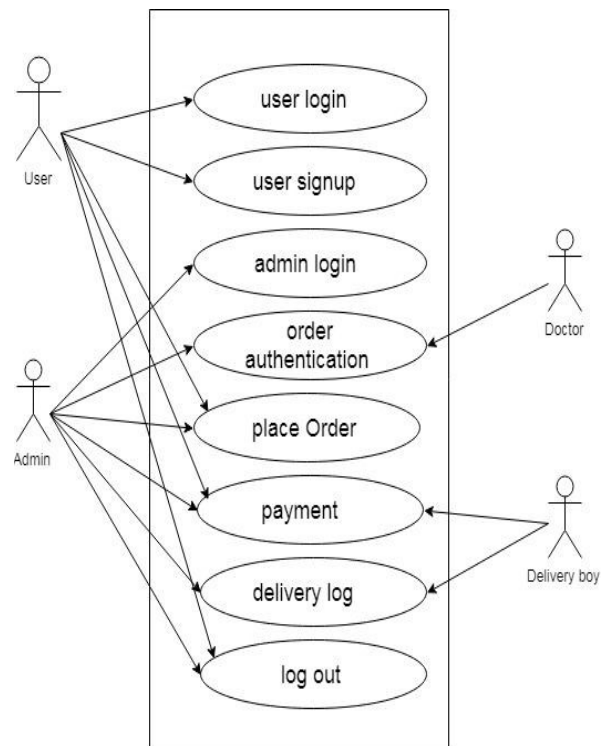● Should reduce the use of illegal drugs,not prescribed by thedoctor.

WORKING
Meloverequires 3 apps for the functioning.
1.   Medlove –User.
2.   Medlove –Driver.
3.   Medlove –Pharmacist.

Medlove – user allows the user to order medicines and accessories from the following categories like OTC medicines, Ayurveda and Herbal items, healthcare devices, parenting, nutritional supplements & health drinks anytime anywhere. But for pharmaceutical drugs, it requires an extra authorization from the Doctor. For that, we keep a database of all the doctors in the city, and the patient who has ordered the corresponding medicines are verified with the doctor who consults them. This is done through a SMS verification process, where thesmscontent includes the pharmaceutical drugs name, the following patient's/users name and a unique user id by which Dr. can identify him/her with a text reply YES/NO to that.If the reply is yes, the order is safe for delivery.For the efficient and smooth delivery, we require Medlove – Driver and Medlove – Pharmacist. To put it in a technical way, the medstore has its own app and when the user completes an order, the order details are sent to the medstore app and the store begins preparing theorder. The medstore app also has the option to show the drivers in the vicinity to deliver the order. A broadcast signal is sent to all the drivers who have their own driver app and whoever wants to accept the delivery can do so by accepting it. Then the driver can deliver the order.Through live tracking the customer knows where the order is.

4. UML DIAGRAMS-PRODUCT ORIENTED
USE CASEDIAGRAM

6.FUTUREWORK
According to a recent study as published by the Mobile Health Market Reports, the figures of health mobile apps will increase up to 3.9 million and out of this a major portion will be dominated by the pharmacy, drugs and medicine. Thus you can see there is a major scope forprofit in this field after all we need an initial investment. We are planning to provide our resources to almost every states in India and then to worldwide service.

7.CONCLUSION
People prefer online services for almost everything. Here we have tried health care transformation through technology where you can order medicines much more easily and in a most secure way. We have established a virtual link between the Dr. and the user and thus the Dr. verifies with the medicines to reduce the exploit use of illegal drugs.We also aim at servicing the old at a fair way most possible by giving them extra discounts. We plan to improve our services as per the feedback from the user as it becomes more stretchable towards the user.

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CLASS DIAGRAM