

Just Medicine Android Application Overview

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Abstract : *Just medicine is an application that offer support to users in finding medications using navigation by just few click or swipe of display. This application guarantees easy life that will upgrade our healthcare network. It involves more swift and dependable online traceability of medication products, name, address and contact information of medical stores. Medicines with huge variety of recommended as well as non recommended medicines and other healthcare products, easily accessible all over the country. Even remote villages can now have access to recent medications. Medical research industry is following a legacy of 500 years of success in the medical and chemical research and sciences. It includes safe, effective and reasonable medicinal stores as well as a customer knowledge that is worth of user's fidelity. It offers effortless navigation, more modern applications based on health care network, including clinical usage, medicines feedbacks for efficacy and security, and access to information of recommended as well as non recommended drug.*

IndexTerms - *Just Medicine, pharmacotherapy, location, non-transferable diseases, Healthcare, Pharmacy, Vendor, E-Pharmacy, civilization, e-commerce, doctors, entrepreneurship, discounts, convenience, home dispensing, documentation, HER, navigation, online access, clinical, fidelity.*

I. INTRODUCTION

India is undergoing a prompt transformation with the growing overload of persistent non-transferable diseases that presently reports for about 70% of entire demise. Growing civilization, is increasing motorization, automation and stationary way of life, mostly amongst the employed age groups, justification for the community to early non-transferable diseases.

The therapy of persistent diseases generally involves long-lasting application of pharmacotherapy. Even though medications are efficient to tackle disease, their full advantages are mostly not accomplished as major category of the patients do not take medications as recommended.

Mobile / Web-based app

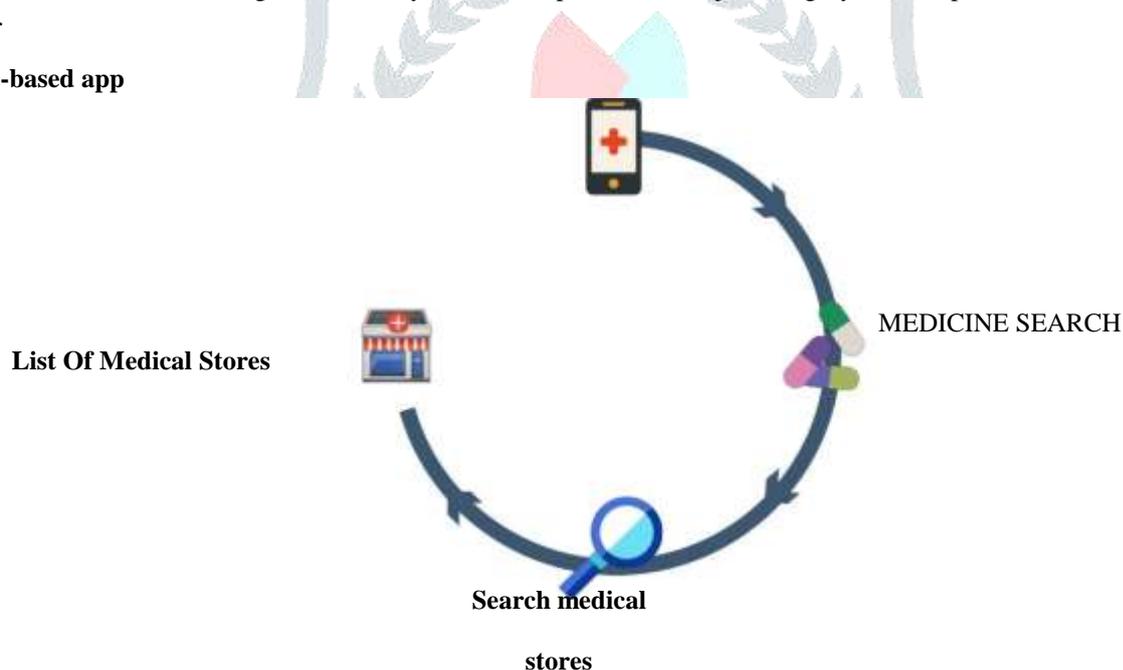


Figure 1 : Just Medicine Application model

Miserable compliance to medical therapy is not only compromising patient results but also increasing patient transience, affecting the financial growth of the country. Few of the patient-oriented aspects adding to miserable medication compliance involves deficient healthcare knowledge, restricted access to care, high medication expenses, long waiting times at the healthcare dispensary or setup, lack of family or social support etc.

The developed India has seen a transformation from a traditional extended family network to a nuclear family network that has isolated the aged groups and restricted their access to medicines; while, people residing in remote villages mostly travel to nearby towns to access the healthcare services, affecting patient compliance.

Therefore, affordability, availability and less awareness are the major issues for access to medicines. These hurdles can be efficiently overcome by embracing advancement in technology, specifically the Internet, into the healthcare system.

With the help of technology, healthcare system is believed to be majorly changed and transformed to a network where the user would be notified and authorized. This switch could be brought about by an e-Healthcare application, which is constructed around solving problems of the user in the most optimal manner, where the user would have the power of literacy and call for the better service, a crystal clear system which will be free of third party causing interruption, and cost or quality mismatch.

Simultaneously, an online application, operating all over the country, to acquire healthcare services will guarantee orderly stalking and storing of the data for audit trails, therefore, making the healthcare system more organized. One of the technology innovations which have positioned itself as an application in the online healthcare network is e-Pharmacy and this application is believed to create a huge requirement in the future.

II. BACKGROUND

This segment evaluates methods of smart phone to system interaction and explored how they could be incorporated in this project. A significant ratio of the community is willing to try purchasing medicine and related products over the internet considering the advantages it offers and additional value it creates as compared to the existing physical retail outlets. A survey conducted shows that low prices, huge discounts on items, ease in ordering and home delivery with preferable time and address are few of the advantages that will prompt consumers to switch towards e-dispensary. Also, It associates very well with the governmental advancement goals and has transparent and tangible perks to the users as well as the medical research. However, it has also been seen that increase of e-commerce and retails are appreciative and offer support to each other. By usage of technology in a intelligent way and under stringent approach and c, the e-dispensary has a far better scope offering extreme value to the existing retail network in India. Just Medicine application is a platform where users could search medications without having to visit mobile and brick medical dispensaries. It makes the process more comfortable and easy for consumers and has resulted in growing request for the application all over the country.

III. WORKING

In this project, we develop an collaborative medicine application with which users and vendors can register using their smart phone. This application will comprise of following segments:

1. At client side:

- **Login :** User will login using username and password to Just Medicine application and if the user is a new user, not an existing user then, the user will move to the registration module.
- **Registration :** User will complete the registration by filling necessary details : username, mobile number, city and password fields and then the user will directed to the login module.
- **Search :** User will fill entries medicine name and location and request will be sent to medical stores. Then, the user will move to medical store list module.
- **Medical store list:** A list of medical stores already registered with the application at the vendor side depending on the availability of medicines will appear.
- **Address and contact number :** On clicking the medical stores one by one ,user can view address information and contact number of the medical stores.
- **Feedback page :** Users can give ratings for Just Medicine application in the feedback module.

2. At vendor side:

- **Registration :** Vendors will complete the registration by filling necessary details : username, mobile number, city and password fields and then the user will directed to the dashboard module.
- **Dashboard :** Vendors will view the user's sent requests from search module. Also vendors will approve the user's sent request in form of yes or no.

IV. APPLICATIONS

E-Pharmacy improves consumer convenience and access. This will most importantly benefit chronic elderly patients living in nuclear families, and patients who are not in a condition to go out to find a pharmacy. E-Pharmacy also offers competitive pricing which thereby enables less affluent people to afford medicines. There are a lot of technology advancements that are coming up in the form of applications which help in bringing price transparency, create awareness, find an appropriate healthcare service provider, medicine reminders, and pregnancy alerts to the consumers. In addition, e-Pharmacy models are well aligned to address key known issues in pharmacy retail for tracking authenticity, traceability of medicine, abuse prevention, addressing consumption of drugs without prescription, tax loss and value added services for consumer empowerment in healthcare, which are all key areas of national development. This model also increases entrepreneurship and in turn accelerates wealth creation in the country. A significant proportion of the population is willing to try purchasing medicine and related products over the internet considering the advantages it has and additional value it creates compared to the existing physical retail outlets. Survey reveals that lower prices, discounts, convenience in ordering and home delivery with preferred time and address are some of the major advantages that will prompt consumers to shift towards e-pharmacy.

V. FUTURE SCOPE

Despite of time consumption or loss, it is crucial to consider whether we are genuinely upgrading the quality and completeness of the data and information gathered and recorded for future analysis. Clinical information networks can showcase standardization in data integration, encourage providers to document information as they might forget or ignore, and crosscheck information for consistency over documentation. Additionally, if the system is carefully modeled with research requirements in mind, the data can be gathered and stored in discrete, retrievable fields, such that clinical research is more gladly encouraged, obviating the need for traditional chart feedbacks. The shift to an EHR certainly provides a better opportunity to determine if clinical care documentation actually improves quality and comprehensiveness, and if in turn, this can be related to improved patient outcomes through data availability for research.

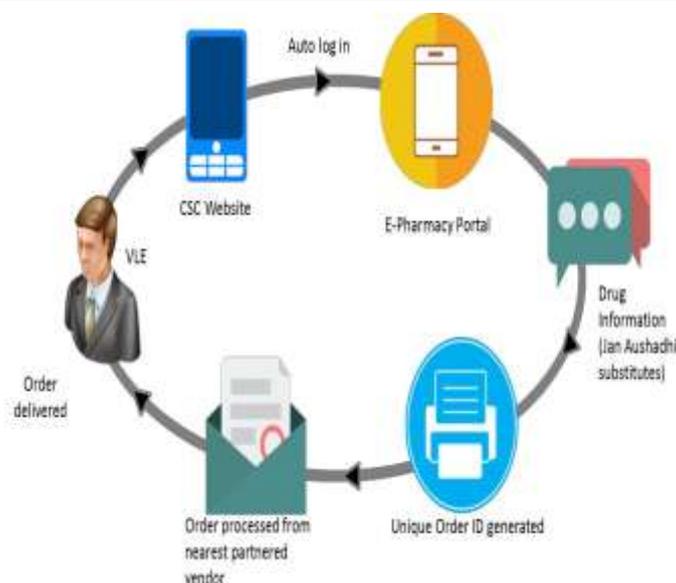


Figure 2 : Medicine Home Dispensing Model

V. CONCLUSION

Through the research paper entitled, “A review on Just Medicine Application”, it is observed that it will prove handy and offer support to people who are in urgent need of medicine. It will reduce human efforts as well as time usage. Also, it will be used in military and defense sectors. This mobile application provides user friendly interface. Heavy traffic, shop closed, monsoons, lack of vehicle parking, forgetfulness are few accounts that may lead to skimping of crucial medications. Taking medications regularly is a hectic constituent of directing continuous clinical conditions, so it is important that we must not dry out of vital medicines. By just signing into Just Medicine application, citizens can search medical products without moving from the convenience of our household. It offers easy access to secure, reliable, and safe medications, and also, get to understand everything about the medicine at Just Medicine application. E-Commerce involves various perks to users and the most crucial is the convenience or ease with which medicines and drugs are accessed. The perks that e-Dispensary model brings to users, that are the majority, should be the government’s first priority. It is critical that the regulatory framework in India be conceptualized keeping in mind the large scale interests of the individuals in the country. If technology is available to cut the intermediary costs on medicines, it must be permitted to be used to its full potential as it will bring down the retail cost price of many drugs and profit the middle-class, which is most impacted by the price hikes.

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