Electronic Pregnancy Drug Store – Mommy Meds

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Abstract: *The aim of this paper is to plan and carry out a hybrid application for dealing with a baby care Internet business and an Electronic Pregnancy Drug store (EPD). The proposed framework intends to accelerate the most common way of administering medications to pregnant patients in a way that guarantees pharmacological security and high proficiency. It likewise gives the time and exertion applied by the staff and guarantees the exactness of the patient's interior clinical payment as well as the control of the dispensed amounts. In addition, the proposed framework empowers the specialist to see the full clinical record of the patient and the sorts and measures of drugs that have been depicted, released, and the area of the issue. The specialist can likewise re-recommend drugs, whether one medication or a gathering of medications from the past record of the patient, which speeds up crafted by the specialist and lessens the holding up season of the patient. Besides, the electronic drug store framework upholds the wellbeing and security of the medication portrayal process by making the specialist aware of any medication mediations like medication responses, and reasonable dosages. It additionally empowers the specialist to report any data about the sickness' powerlessness to any medication or food, which assists with expanding the clinical consideration given to the patient. The proposed framework likewise works with baby care items and every one of the necessities during pre and post-pregnancy. In addition, the proposed framework incorporates two primary parts, in particular drug stores and well-being for moms and youngsters. Also, the individual must initially sign up in the framework through finish up an application containing data about the endorser, for example, name, telephone number, email address, and so on. From that point onward, the client can enter the framework and complete the most common way of getting the medication or item prior to getting it. At long last, the proposed framework assists clients with administering meds and important items for the child and the mother rapidly and precisely without going to the drug store or web-based business website.*

Keywords: Hybrid application, Electronic Pregnancy Drug store (EPD), Pharmacological security, Information and Communication Technology (ICT), Healthcare

I. INTRODUCTION

Medical services conveyance applications need a hearty and secure medication giving framework. Stock-outs can have serious refuting impacts on tolerant consideration, particularly in constant infections [1].

Electronic Drug store Framework is a term utilized today to portray the use of data and correspondence innovations in the well-being area. As of now, have seen a huge development in the utilization of PCs in the creating scene to oversee and apportion medication to patients. Plus, it keeps up with and examines patient clinical records, including their medicine regimens [2].

These frameworks can be taken on Information and Communication Technology (ICT). It is an interaction planned to continue all the area exercises. Beginning with the enrolment of clients, choosing the items, and putting away all data, until the charging. Carrying out the drug store application and incorporating it with information getting from the current frameworks, could assist with expanding the exactness and simplicity of the making of clinical requirements and stock administration. Additionally, it will diminish the number of clinical inventory stock-outs [3].

Electronic Drug store Framework (EPS) is a crossover application for selling medication through using the instruments and innovation to accomplish its goals and executes its work with more noteworthy precision. This proposed work is viewed as the main internet-based Pregnancy Drug store and internet business in INDIA that sells medication and child care on the web. Accordingly, the client can utilize the drug store electronically. Electronic Drug store Framework (EPS) intends to lessen the paperwork which will give numerous offices to the client and fewer endeavors [4].
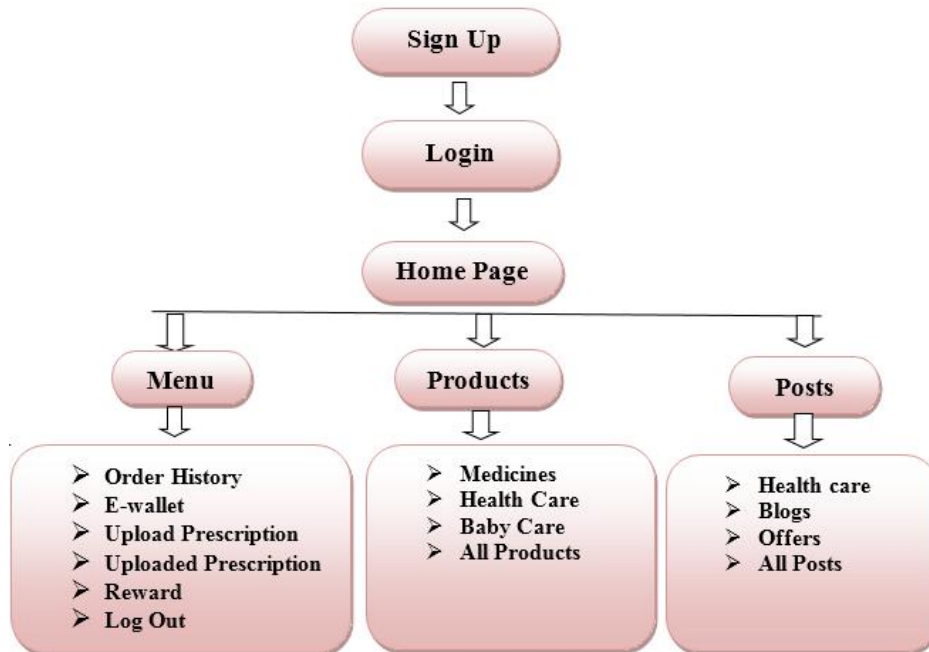
It empowers the patient to complete a few things, for example, quick contact with a particular drug store to demand their medication safely and quickly. Additionally, the orders could convey to patient areas over India with fewer charges, which will save endeavors, cash, and time. Moreover, patients can utilize the drug store's site to purchase any medication, clinical materials, and child and mother care. With Electronic Drug stores, pausing and remaining in lines to get medication from the drug store will become a thing of the past on the grounds that the electronic drug store will have abbreviated the time. What's more, it will bring agreeable for the patient. It is easy to use, and intend to help clients for getting to the drug store without any problem.

The proposed framework mirrors the responsibility of the electronic application in the conveyance of the medical care administrations to every single Indian woman individual. In any case, meds are partitioned into two kinds; the main sort is drugs that don't sell without the medicine and directions from the specialist. These meds were observed by clinical associations and the Service of Strength of Oman. The second kind of med is called the OTC. OTC meds are present moment shows to a bunch of medications endorsed without a remedy. Likewise, known as Over-the-counter or non-prescription medication. These ideas allude to medication that the patient can purchase without medicine from the specialist.

The framework will sell and give OTC medication in a safe and compelling way in correlation with paper-based directions. Then again, a few prescriptions are not covered by electronic drug store administration on the grounds that the Service of Soundness of Oman regulations expects drug stores to be out of an absence of risky medication similar to the case in many nations of the world.

The Electronic Drug store framework will add to the advancement work of the drug area by offering better types of assistance to the general population through the regulations managing crafted by the drug area. The new headway in the space of administrations and figuring offers conveying facilitated administrations over the overall utilizing public or private web-based cloud services [5,6,7]. Distributed computing can be laid out in many degrees of execution in view of the kind of issue. The utilization of new advances like distributed computing and delicate figuring in an investigation of the information of any framework can assist with understanding the way of behaving of current and future information [8,9,10].

II. IMPLEMENTATION

Impact Factor: 6.252

2.1 Sign up Page

The registration page is shown in Figure 1. It is used to create a new account for new clients. The customer should complete all fields, including full name and phone number, address, username, password, and email address. The customer should remember his or her username and password because they will be used to log into Mommy Meds. After the customer has completed all fields, click the complete registration button.
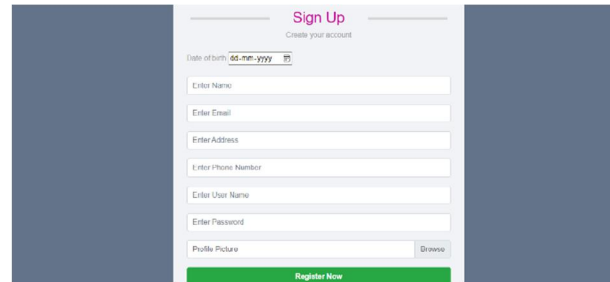

Fig. 1. Sign Up Page

2.2 Login Page

Figure 2 depicts the user's login page, where he must provide a username and password before clicking the login button to access the online pharmacy system. Then he can purchase whatever he requires. However, if the consumer correctly enters his or her account information, he or she will be allowed to use the system. The system will have prohibited the user if the customer entered an invalid account three times.
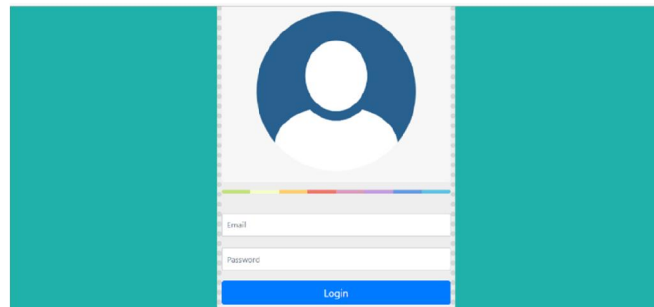

Fig. 1. Login Page

2.3 Home

Figure 3 depicts the main page of the Mommy Meds website. The Pharmacy & Health page, Mother & Baby page, about us page, upload prescription page, reward page, e-wallet, registration page, login page, and contact us page are all found on the home page. On this page, the visitor can choose from a variety of categories or search for specific things.
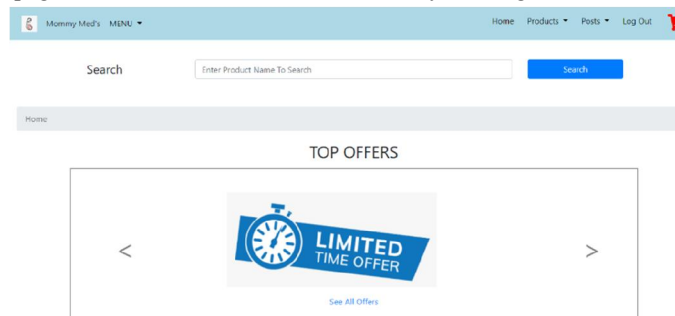

Fig. 3. Home Page

2.4 Menu

Figure 4 shows the menu screen, which includes order history, e-wallet, upload prescription, reward, log out, and other features that are required by the program.

2.5 Products

Figure 5 depicts the pharmacy, baby care, and health page, which contains many different medicines that people require in their daily lives when they are sick or have other needs, as well as information about the commodity and price, such as medicines (medicines for colds and chest diseases, fever and some ointments for allergies, dermatitis and some cosmetics and hair care and skin, and many others). This page also has a search icon that allows the user to quickly search for the type of medication that the client need, and the system will immediately display the drug that the customer requires.
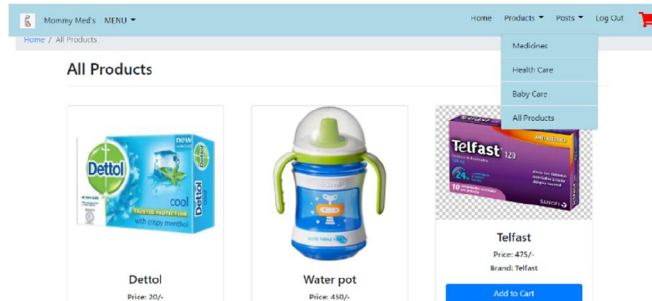

Fig. 5. Products Page

2.6 Posts

The mother and baby page, shown in Figure 6, has several particular demands for the mother and infant, as well as various medicines. It also includes information on the cost of the medicine or product. Medicines (for children's fevers, bathing fluids, sanitary napkins, milk and food bottles, and other miscellaneous medicines). This page also has a search icon that allows the user to quickly search for the type of medication that the client need, and the system will immediately display the drug that the customer requires.
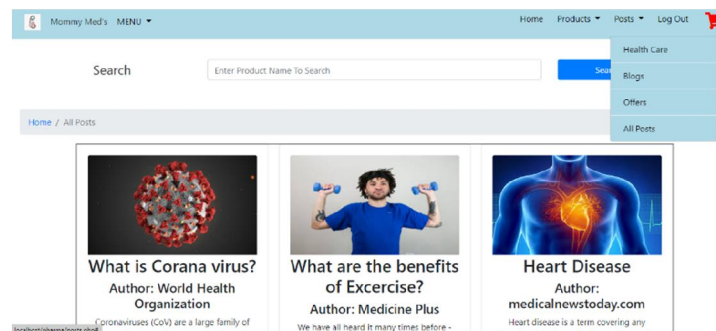

Fig. 6. Posts Page

III. FUTURE SCOPE

The current study proposes an online pharmacy system that can help reduce the effort and time required to obtain medicine. The suggested Mommy Meds system makes the following contributions.

1. One of the most essential future operations will be to enlarge the pharmacy to include more departments, rather than only two (mother and baby/health and pharmacy).
2. We will also build and update the pharmacy's design to make it innovative, appealing, and consistent in terms of images, lines, and customer satisfaction.
3. Providing pharmacy items to many Arab and non-Arab countries is one of the most important initiatives we will pursue in the future. We will first provide to the GCC, not just to India and the locations where they are located. Then there's transportation and shipment to other countries.

4. We will continue to promote the pharmacy's products through advertisements on the internet, newspapers, television, SMS, and social media sites.

5. In addition, the most significant strategies agreed upon in the future are to link pharmacies in various hospitals throughout India so that clients are satisfied with the drugs and have confidence that all medicines are safe.

6. The work of the phone application is one of the future ambitions. It allows customers to enter and browse the drugstore.

IV. CONCLUSION

Mommy Meds strives to decrease paperwork and give different services to users with minimal effort and access to the portal based on the user's preferences. Waiting in lines to acquire medication from the pharmacy will be a thing of the past with electronic pharmacies. Furthermore, clients' items will be delivered to their homes or any location in Oman, saving them time, effort, and money. Furthermore, the proposed approach will make it highly convenient for patients to obtain drugs quickly and easily. Users of the EPS will be able to obtain medications from pharmacies without difficulty. Mobile computing will aid in reducing communication time and providing quick services.

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