

E-Commerce Website on Medical and Pharmacy

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Abstract: *E-Commerce (Electronic Commerce) involves selling and buying services and goods via the internet, and the technology increases, more businesses are conducting Ecommerce transactions to gain competition advantage. The purpose of this project was to determine the most influential factors withholding pharmacies from exploiting EC to their competitive advantage. This project was undertaken because drugstore pharmacies have failed to opportunities for E-Com. Thus this research is important because there is little information about pharmacies and EC in drugstore. This project provides a way to create a E-commerce website on Medical and Pharmacy. By the help of this project customer will be able to search and buy the medicine from anywhere and as per the requirements. This project includes to give suggestion of the doctor to the customer/patient. Project will provide information about different offers on buying of product/medicines. It would also provide methods to change the quantity of products purchased and edit the cart. Payment could be made through cash or online using credit card payment methods. This project is evolution in the medical Drug shopping, it minimize the effort and save the time to buy the medicine.*

Index Terms—Key terms : *Ec-commerce, FDA-Food and drug administration OTP-One time password ,SSL-Secure socket layer*

Introduction

The purpose of the site is to provide reliable and easily accessed health information for the medical community including physicians and medical students. The information published on the site is not meant to supersede medical training but to serve as a repository of medical review articles to give medical professionals an online source where they can review medical topics. Legitimate mail-order pharmacies are somewhat similar to community pharmacies; one primary difference is the method by which the medications are requested and received. Some customers consider this to be more convenient than traveling to a community

drugstore, in the same way as ordering goods online rather than going to a shop.

While many internet pharmacies sell prescription drugs only with a prescription, some do not require a pre-written prescription. In some countries, this is because prescriptions are not required. Some customers order drugs from such pharmacies to avoid the cost and inconvenience of visiting a doctor or to obtain medications their doctors were unwilling to prescribe. prescription medications are very expensive may turn to online pharmacies to save money. Many of the reputable websites employ their own in-house physicians to review the medication request and write a prescription accordingly. Some websites offer medications without a prescription or a doctor review. This practice has been criticized as potentially dangerous, especially by those who feel that only doctors can reliably assess contraindications, risk/benefit ratios, and the suitability of a medication for a specific individual. Pharmacies offering medication without requiring a prescription and doctor review or supervision are sometimes fraudulent and may supply counterfeit and ineffective and possibly dangerous medicines.

Existing System

Aren't U.S. state-licensed pharmacies or aren't pharmacies at all. May give a diagnosis that is not correct and sell medicine that is not right for you or your condition. Won't protect your personal information. Are too strong or too weak. Have dangerous ingredients.

Have expired (are out-of-date).

Aren't FDA-approved (haven't been checked for safety and effectiveness).

Aren't made using safe standards.

aren't safe to use with other medicine or products you use.

Data analysis and finding

All the data build up or put up in the main website is thoroughly analyzed by pharmacist and some doctors. Medicine on the website are categorized according to the disease. The main disease are case

study by us. All the medicine as well as alternative medicine for the disease are suggested in website.

Problem statement

Mostly people buys the product from the medical store that means people need to go there physically to buy the medicine. Due to dependency of the customer on medical store shopkeepers takes benefit of that. They charges more than the actual cost of product from the Customer.

Medical website will provide offers the customer which they usually not get from the shopkeepers. Most of the Website do not show the product like wheelchair, surgery products, necessary blood requirement for the person(A-), which is difficult to find any website or place.

Proposed System

This system is derived from the existing system. It will provide doctors suggestion before buying the medicine from website.

It will scan your prerequisite slip if any individual person buying the product from the website.

This system will contain all the all the legal product and it will be certified.

OTP will provide security the system from the unauthorized access. All together there is three service users Admin, Doctor and the customer. Customer will have limited access to the system only customer can see the product, buy the product and make payment of the product through cash on Delivery, or through the internet payment system. Admin will have all the access of adding, Removing the product, updating into the database, maintaining the system etc.

Doctor will prescribe the medicine according to the data he will get.

Many pharmacy owners and managers, as well as entrepreneurs, government officials and business students will benefit from the research since there is hardly any information readily available on the pharmaceutical industry, far less the EC industry in India. It is hoped that the information gathered will provide the groundwork to inspire the creation of online pharmacies. The Managers did not see competition as seriously affecting their businesses. Whilst they recognized that competition existed, they noted that they still had a profitable market share. One Manager said, 'There isn't any serious competition.'

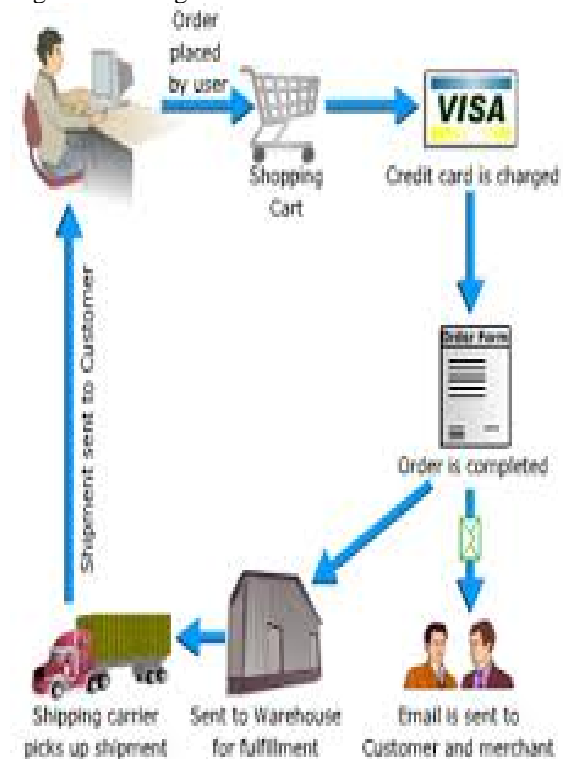
Although there are five pharmacies in this stretch of the main road, all the customers are shared. As much as 29% of the Managers.

Identified having good customer service and a wide range and variety of products, as their main sources of competitive advantage.

Fig 1. Shows the actual processing of the Online system. The process include Searching of the product from the website after that selection of the product by the customer.

Then after that customer will add that product to cart and according to his convenience he/she will have to pay the bill

Fig 1.1 Working of E-commerce Website



Features of the project

Security:

SSL uses all transaction that include customer confidential information. All the database of the customer, physician and doctor will be encrypted at server site and it will be send encrypted only on the insure data connection

Availability:

Services will be available 24*7 on internet.

In case of hardware failure or data base corruption a page replacement will be shown.

Portability:

Our website is based on HTML and scripting language depended. The aim is to website application must work on PC, laptop and user friendly devices.

Maintainability:

The commercial database is applied for maintaining the all database also the application developer is updated time to time.

Reliability:

As the data is stored on server site it is available to user and developer to read the information about disease, medicine. Database is available to read 24/7 for the user in convenient manner.

Adaptive Design:

Our websites are designed to offer an optimal mobile experience. Our sites are able to determine the type of device in use and serve content optimized for that device. Specifically, we offer images with optimal file sizes – resulting in faster loading, more usable websites

Platform independence:

The main aim of the site is to provide no platform barriers. This website can be compatible with all devices for mobile , laptops and tab.

Implementation and recommendation

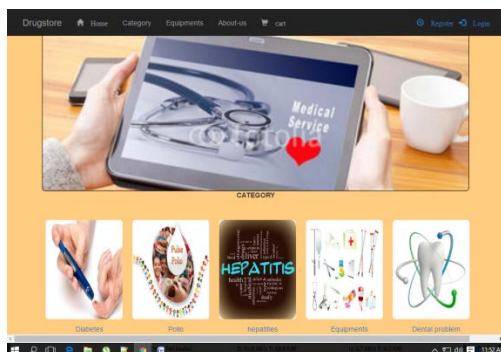


Fig 1.2 Basic implementation of project

Our project is totally depend on the real active web pages. So we are implementing the system which will also used in real life.

We are going to implement system in which any person can sell his second hand medical instrument on our website ,so the instrument which is unused will be used by the patient. Other recommendation from different user, developer and standard will be acceptable in case of developing environment.

Conclusion

The aim of the site is reliability, availability, security, portability. There can be scope of improvement in the website. After implementation of this website it will not only helpful for the user but also signifies the study content to everyone.

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