Online Medical Catalogue

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**Proposal**: Technology has had a great impact on society when it comes to medicine. Medical technology has been around since the cave man began using rocks as tools to perform trephining. Since then there has been many new advancements in medicine due to technology.

Technology in terms of medicine has also increased the life expectancy of the average person. In the wake of this many new Drugs have been discovered and are sold by Pharmaceutical Companies by their respective brand names. Although each tablet, capsule etc. contains many different drugs, it is cumbersome to lookup each individual component to determine what the drug is actually meant for. Some Drugs may cause allergic reactions and early detection of these symptoms may save a life.

The Person can look up for a branded medicine and get details about the generic components, symptoms which can be treated using the medicine and allergic reactions (if any). Else, say the prescribed medicine is unavailable or too costly. In such circumstances, this platform will also recommend other alternative drugs which have the same composition.

Each User can make an account on this site and order their prescribed medicines online or else simply check details of medicines etc. (registration not required)

The Project comprises of maintaining a Database having Records of each individual medicine together with its composition, price, side-effects etc.

It also maintains a user database which contains the name of person, Shipping Address, List of Medicines that have been ordered and its current status along with the different Pharmaceutical Companies and our own current Medicine Stock.

It also Accommodates for the Pharmacies. Acting as the middle man, pharmacies can place all stock requirements to us and we supply them from the Stock Reserve whilst replenishing our own Stock directly from the Pharmaceutical Companies. A wholesale Price is applicable for Bulk Orders.

All Older Stocks are returned to the Companies when they reach the Expiry Date and renewed with Fresh Medicines. It is important to make sure that our stocks are intact. This is handled by users who are “Administrator”.

**Tasks that can be performed**

* Search information regarding any drug (both Branded and Generic)

The User will give the search query regarding the drug he/she wants to look up and it will fetch the data such

* Name of Drug
* Generic Composition
* Price
* Company which makes the Drug
* General Information regarding the medicine
* Symptoms which can be treated using the Drug
* Contraindications to other drugs
* Dosage
* Side – Effects / Allergic Reactions
* Search for other **Alternative Drug** that have same Composition sort by Price. Hence the user can get a comprehensive idea about the same medicine that goes by different names.
* Search for All Pharmaceutical Companies

It returns all the Pharmaceutical companies that operate in the market

* Create User Profile

A User register for an account which asks for the following information: -

* Name\*
* Date of Birth
* Phone No. \* #
* Shipping Address
* Gender (optional)
* Wallet Amount
* Email – Id \* #
* Password(Hash)

\* marked are Compulsory

# marked must be unique

* Order for Medicine Online

User can place order for a list of Prescribed Medicines, which shall be delivered to the Shipping Address after confirmation of payment.

Only Medicines marked “In-STOCK” are eligible for shipping.

A minimal Delivery charges will be levied as applicable.

A Crucial Step is to make sure that a valid confirmation of payment always ensures that orders are placed.

Wholesale Price is applicable for Bulk Orders.

* Cancel an already placed order

If the Order has not been delivered yet, it may be cancelled anytime by the user. The money paid will be adjusted to the User’s Online Wallet which can be later used for buying Medicines.

* View Past Order Summary

User can View Information regarding all the past order that he/she had made.

* Get Information of Highest Selling Drugs

The Database Analysts can get the Info of the highest selling drugs to make sure that it is always in stock.

* Get Information of Nearest Pharmacy

In the Event, User is not willing to place an online order or else it is an emergency, User can look up for the nearest Pharmacy together with is contact No.

Other Tasks that need to be handled [Administrator]

* Place Order for new Stocks when Stock Reserve fall below a certain limit

It is to ensure that medicines are always in stock.

* Return Expired Drugs to Pharmaceutical Company.

As the Stock reaches its expiry date, the stock is returned to Company and renewed with Fresh Stock.