MEDCARE

Sanskruti Bhure[1], Divya Khandar[2], Shubham Surjuse[3], Shivam Raut[4]
UG Scholar[1], UG Scholar,[2] UG Scholar[3] ,UG Scholar[4]
[1]Department CSE, DMIETR Wardha (India)
[2]Department CSE, DMIETR Wardha (India)
[3]Department CSE, DMIETR Wardha (India)
[4]Department CSE, DMIETR Wardha (India)

Abstract:- Netmeds is the one of the software which is used to order the medicine online , but Netmeds is not available in small cities or remote areas. Hence the customers are not aware about online medicine availability.MEDCARE is a web-application in which customers can order their medicine by uploading the picture of prescription and get the home delivery of medicine by cash on delivery.The MEDCARE solve the problem for people who live in remote areas. The people will get the service available at any time. In MEDCARE, we use the two different optimization techniques to give better result of search made by customer. These techniques are key word-Search algorithm to get the better result on the basis of medicine company, contents, weight, and manufacturing details. The second technique is RAND() i.e. the random number generation function. This algorithm is used for two purpose one is for to generate OTP for customer authentication and second is for to generate the order ID.

Keywords:- Online Pharmacy, Medicines, Medicine-Dictionary, Generic Medicine

I. INTRODUCTION

The application like Netmeds is used to order the medicine, but it can provide their service in small cities and remote areas. The current scenario is that customers are forced to go at medicine store to buy the medicine as they are not aware about online medicine availability[1].

The MEDCARE can overcome this problem, it is a web-application in which the customer can upload the picture of prescription and get the medicine by cash on delivery. The software has the database of medicines and customers in which when the customer can authenticate by OTP.

There are two panel in this system .First one is the web application for the customer, in which the customer can order their medicine by two ways: By uploading the picture of prescription and by searching a medicine. Second panel is for tradesman which is total software. The tradesman will authenticate customer by OTP and check the customer request and process them. Tradesman will manage the stock of medicine and also Med-dictionary.

The software contains Med-dictionary, in which the customer can search medicine and output is generated on the basis of medicine name, content, weight, manufacturing details and also company name. The notification about stock and order receiving is also received by tradesman.

A. Problem Statement

Consumer are not aware about the online medicine availability, alternative available, and details of the medicine/drug in small cities and remote areas[1].

Application like Netmeds are not able to provide their service in small cities and remote areas so, they face problem to get the prescribed medicin.[1].

Their system is expected to ease the assess of medicine/drug to patient. There is scenario many times a particular medicine are not available in many medical stores, the customer have to struggle for those medicine[3].

Many system do not access the prescription of customer, hence the crime about purchasing illegal medicine is increase day by day[2].

B. Objective and Scope of Paper

➢ *Aware the customer for online medicine availability*
Our aim is to provide a medicine at patient's door step, and aware customer for online ,medicine availability.

➢ *Medicine/ drug availability for patient*
To make the availability of every medicine which are requested by customer.

➢ *Medicine/ drug dictionary for patient*
To aware a customer for every medicine, use of every medicine which is not understand by customer, the dictionary will help to search a medicine based on medicine name, company name, weight, contents and manufacturer name.

➢ *Medicine charts and rates*
This system will have details of every medicine available in different brands with their cost.

> *Existing System*

In the existing application the detail information are not shared so that the customer does not fully satisfied their knowledge.

As the generic medicine factor is not existed in this application, customers forcefully need to get the medicine which is available at that time.

According to low of pharmacy, showing prescription is mandatory while buying any medicines. As they are not following this low so many drugs are purchased easily. Hence many time illegal medicine or drug also provided by tradesman[7]. Available, so that the problem of generic medicine availability is totally solved.

After all customers add medicine to card and for safer side the customer needs to upload the picture of prescription.

When the customer wants to go through second step i.e. by uploading prescription, then the customer need to upload the picture of prescription and again gets authentication by OTP, and the customer gets the message that your order has been placed successfully[5][6].

> *Tradesman*

In admin panel, the order which are getting from the customer side, that are firstly placed by the tradesman.

The information about order, order request and all details also displayed on the dashboard

There also exist the med-dictionary which the tradesman search for availability of required medicine in the shop. the tradesman has power of add medicine, remove medicine as per requirement.

Tradesman get notification as there is decrease the rate in stock, so the tradesman able to add medicine.

In admin panel there is order list in which the order process details are given. The details are viewed by the customer, so that they view their uploaded prescription and their details and also their billing statements.

II.   PROPOSED SYSTEM

> *Customer*

In this web-application when the customer visits the page for the first time need to register for the future process. By going through this registration the customer will authenticate by OTP (one time password). So that to check the customer is valid or not.

There exist two steps where the customer can order medicine. The first one is through searching medicine and second is by uploading the picture of prescription. When the customer wants to go throughout the first steps, he/she will get all details i.e. medicine type ,content, weight and manufacturer which is needed through med-dictionary. It will also provide the information like how many medicine of same type are

III.   IMPLEMENTATION METHODOLOGY

A. For searching a medicine KeySearch algorithm will used

The KeySearch algorithm is used to search a medicine. The medicine will search according to medicine name, company, weight contents, manufacturer name. All medicine database will be stored in database ,when the customer will entered their input ,algorithm will compare the input with the medicine database and hence output will generated. If any input is not available in database then it simply shows "There is input type of keyword in dictionary".

It is also help in the option of search medicine for purches.

B. For authentication of customer and product/order ID code generation RAND( ) will used

> *RAND( ) for Authentication Process*

The authentication code will be a five digit code which will be generated using RAND( ) . This function will generated code upto range 00000-99999.

RAND(00000,99999) will generated code in this range, and for every customer it can generate code randomly.

Ex: 00001
00002

00003
…….
99997
99998
99999

> *RAND( ) for Product/Order ID Generation*

The product/order ID for every product will be unique. It will be generated with the help of RAND( ) .This function will generated a code with the help of order date and time.

Ex. If the XYZ product will be order on 23 August 2018 at time 7:20 pm. Then the product/order ID will be

OID20180823192000

C. For SMS notifications, gateway plugins will be purchased
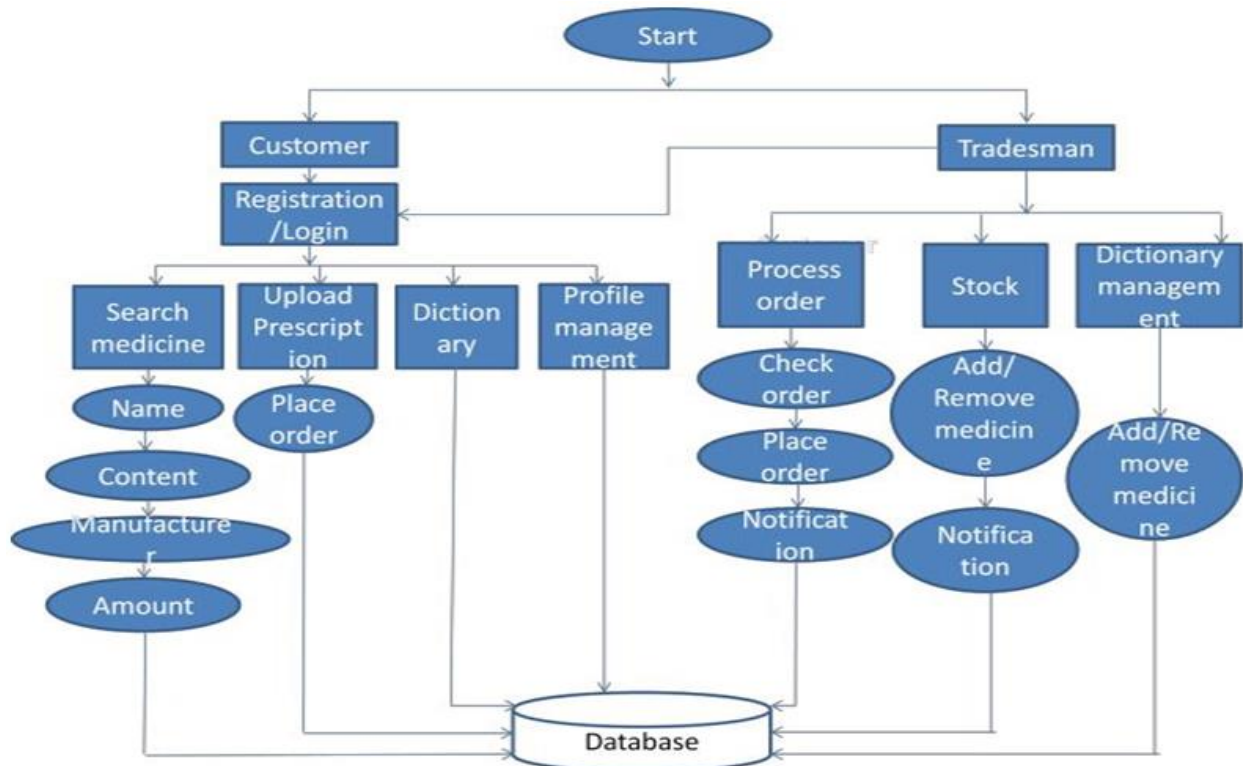
IV. DATA FLOW DIAGRAM

Fig 1:- Data Flow Diagram

V. CONCLUSION

The purpose of behind MEDCARE is to create awareness of online medicine for customer. This application will make ease to customer for purchase online medicine

These system will make availability of every medicine which will requested by customer.

By using Med-dictionary the customer will get the information about medicine and can buy the medicine by searching method and get the output on the bases of medicine name, content, company name, manufacturing details and weight wise.

This system will have the every details of medicine which will search by customer and can make the alternative option for the patient to buy the prescribe medicine of different brand .

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