

Integrated ERP & E-Commerce for Medicines

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ABSTRACT

In Medicals and medicine is very essential and most required thing in the world. So here is the resource to reach to everyone i.e. Medical solution for all the roles required in the main purpose of this integrated system is to keep the expire medicines record as well as to notify with its need and expire date. It is an cloud based so that the system could act as a online warehouse, which will be secured as well. So that every store could refill their stock and would get notify by the expire date for each medicine. In integrated ERP we get details of medicines from medical store owner and stored details using the medicine batch number. Using this batch number of medicine check for its expiry.

KEYWORDS: ERP, e-commerce security, distributed algorithm, random forest, commodity trading, batch no

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I. INTRODUCTION

An ERP system integrated with e-commerce is attempt to provide all function across a single company. With these system all those functions "specific needs" Integration is the key word for ERP & E-commerce. Issues gathered while communicating with the medical store owner.

1. Maintains of stock information
2. It listing expire inventory
3. It couldn't recognize whether the stock is finished or not. According to analysis we understand the issue faced by medical store owners now we providing them and ERP system. It Collecting the information from medical Store owner's using our ERP system and store all the information in a database we providing them the stock information. Get the detail information from owner of medical store and store it into the database. Using search method we find about the expiry details of the age inventory. Recognize the details of product which have to get referral and send a message to the owner. Distributed database is the term we are using to integrate the databases which we will get from different ERP systems. In particular areas multiple medical stores are present about nervous system we are providing for a single medical store and if we consider a particular area there are multiple medical stores thus the database will be in the distributed format. Now we have separate the database of each medical store and we are going to integrate the data maintain the medical inventory properly.

II. LITERATURE SURVEY

In e-commerce, the security involves two areas: hard security and soft security. Hard security includes cryptography, information hiding, while soft security is associated with the methods which are based on trust. Integrated means combining more than two data bases and working on them at the same time to implement this are thinking to implement one ERP system and one E-Commerce application so it will get the information through ERP and process those data base through e-commerce.

Following are the papers we have surveyed to get the detailed information of ERP system and e-commerce application.

1. Proposing a Distributed Algorithm to Finding Malevolent Entities and Improving Security in E-Commerce Environments.
2. Developing an E-Commerce Website.
3. A Role Oriented Requirements Analysis for ERP Implementation in Medical Service Organizations.
4. An Ad Hoc-based ERP for Medical Treatment Provision in Crisis Conditions.

Enterprise resource planning is the integrated management of main business processes, often in real time and mediated by software and technology. ERP system is easy to design and easy to maintain the data. E-Commerce is a business firms that used to sell anything on internet. And e-commerce is hard to design but easy to collaborate or to integrate with the data created by ERP system.

Since we were thinking to integrate these two systems with each other we get to know the problem of the shop owner of medical are having the problem which may have this solution hence we started to collect the knowledge about ERP system and e-commerce application integration of database and processing it.

Integrating ERP and E-Commerce it is easy to maintain all the database and expiry dates of medicine. Integrating systems that helps to maintain data easily and ERP has own databases means no loss of data occurs. Database designs emphasis on relation connectivity. The entire development process is based on 2 processes Front End and Back End

In the context of e-commerce, the concept of security involves two areas: hard security and soft security. Hard security includes cryptography, information hiding and other standards, while soft security is associated with the methods which are based on trust. finding malevolent entities or malevolent agents are one of the most important concepts in e-commerce. Thus, sufficient attention should be paid to their security. Since the centralized security management architecture in e-commerce environment and cannot have enough effectiveness nor be implemented, with the aim of overcoming the limitations of centralized architectures, a distributed and dynamic algorithm is proposed to finding malevolent entities and improving security. This algorithm uses a distributed network. The results of this study indicate that the proposed algorithm is capable of finds malevolent entities and improves security in a fast and efficient manner.

III. SOFTWARE AND HARWARE REQUIREMNETS

Software Requirements:

1. Androd Studio/Visual studio 19
2. MySQL/XAMPP Server
3. Windows 7/8/10.

Hardware Requirements:

1. Intel core i7, 2 GHz

IV. ARCHITECTURE DIAGRAM

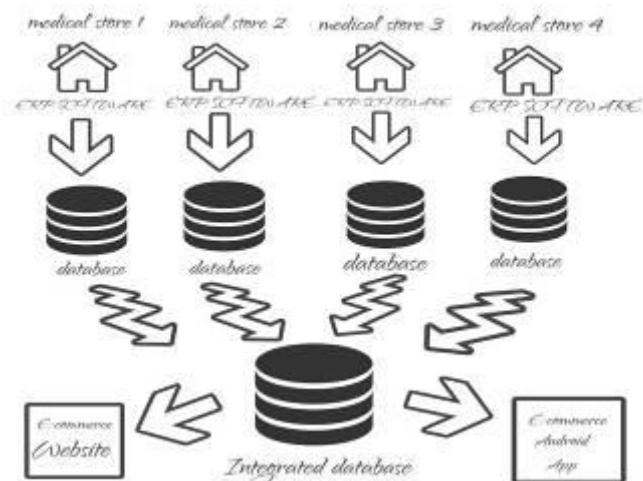


Figure 1: Architecture Diagram

V. UML DIAGRAMS

1. Activity Diagram

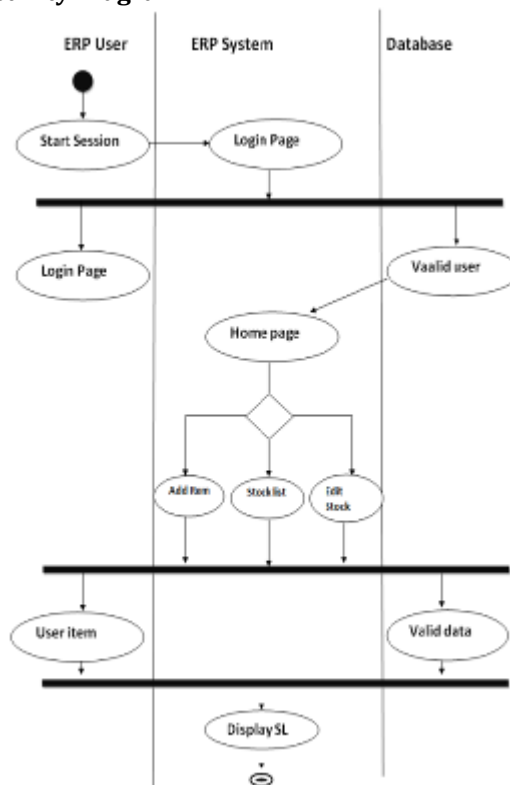


Figure 2: Activity diagram

2. Sequence Diagram

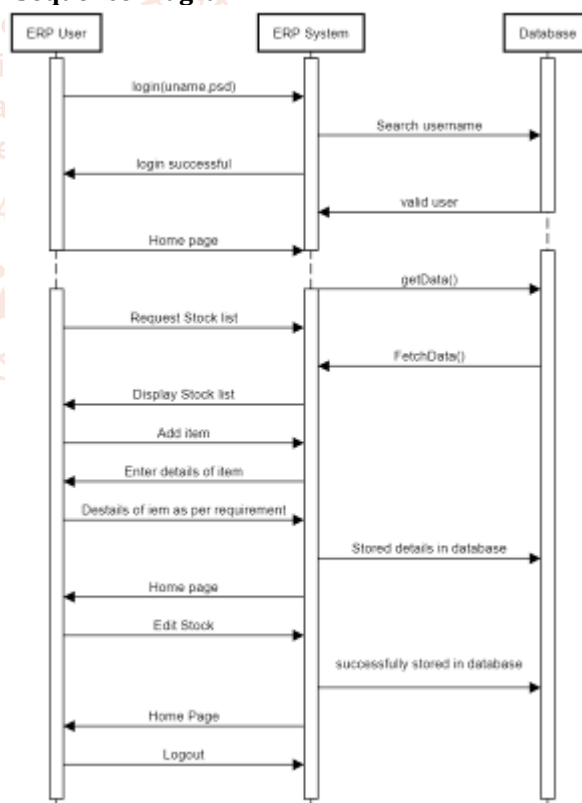


Figure 3: Sequence Diagram

VI. COMPONENT DIAGRAM

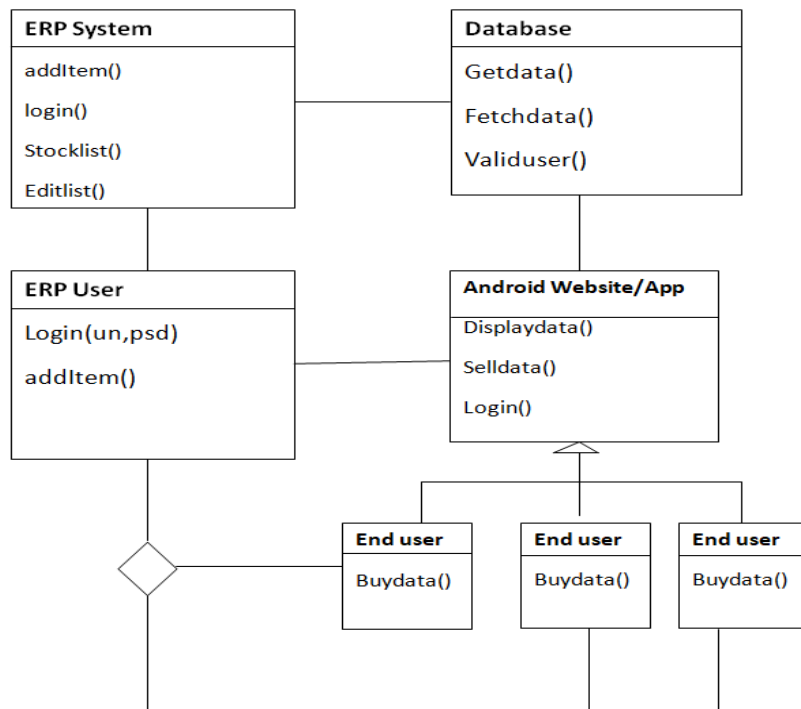


Figure 4: Class diagram

VII. ADVANTAGES AND DISADVANTAGES

Advantages:

1. Provide security.
2. Efficient to handle big data.

Disadvantages:

1. Specified detail information.
2. While asking for high dosage doctor consultation is must.

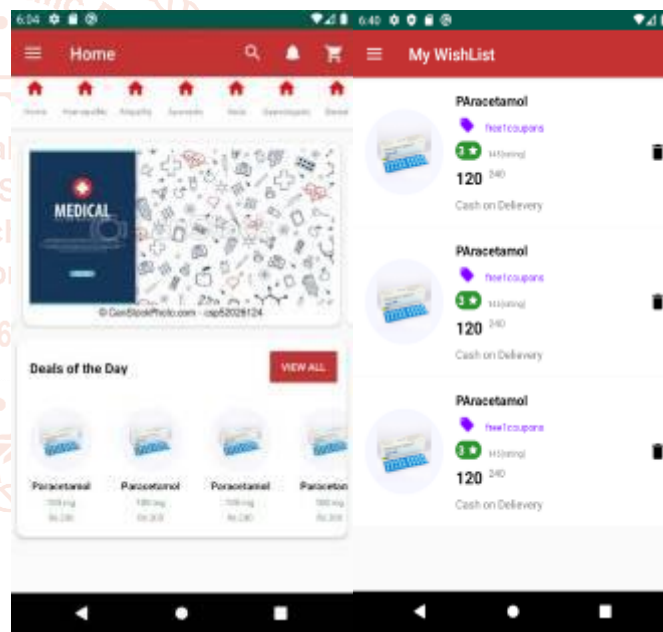
VIII. RESULT AND DISCUSSION

Application provides the detailed information and detail of medicines to maintain the medical owner the detail of medicine which helps to to give the correct information of medicines.

City medical connect to each other using our erp software If anyone want medicine which is in another city. Then he can easily get it using our own e commerce app they order also Medicine Or medical product.

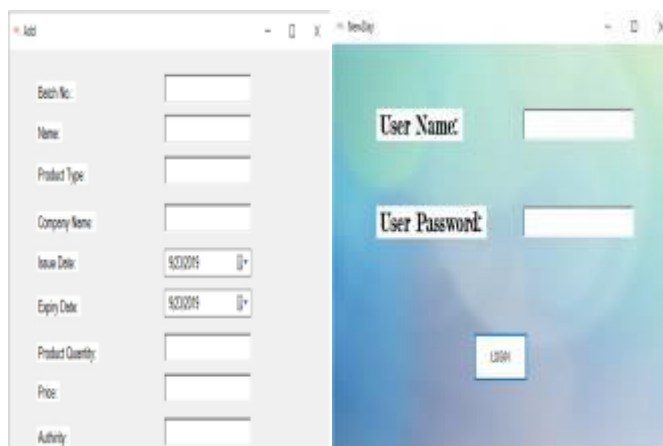
Through which the medical owner easily supply the medicines hence the user whomever using using a where application will get nearest location where his or her all medicines he or she can purchase.

Collecting the information from medical Store owner's using our ERP system and store all the information in a database we providing them the stock information. Get the detail information from owner of medical store and store it into the database.



OUTPUT1

OUTPUT2



ERP OUTPUT1

ERP OUTPUT2

IX. CONCLUSION

The details of the medicine is maintained properly that means inventory check up and E-commerce. Using our application there will be no wastage of the products and medicine. And timely get updates.

X. REFERENCES

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