Point of Sales Interfaces for Business Process Automation System

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Abstract— Point of Sale Interface for business Process automation system is an add on feature for existing business process automation system software. The modules that will be built, will enable the retail outlet to bill the customer using barcode technology, manage the incoming and outgoing stock of the show room and also manage the queue by using bursting methodology using barcode/RFID PDA. Some of the other features that will be part of this project will be auto email intimation for the items that have expired but still in showroom. These modules will help to manage the retail outlets stocks very effectively. This System will store the information of products and customers. This system will also store all stock details. It also provides security by granting access permission for changing the sensitive data to the admin. This system will generate all kinds of reports as per the user’s requirements.

This system provides the interface which helps the users in a graphical way to manage daily transactions as well as old transaction history. It also provides the management reports such as monthly inwards and outward, monthly deliveries & monthly returns.

It also maintains the database so that all kind of changes can be done at a location which reflects immediately. This application is an online transaction maintaining tool so more than one user can be able to login & use it simultaneously.

The agenda of this application is to bring down the manual effort needed to manage transactions & old transaction data used in different stores. This application can also provide an interface to users to view the information as like the daily Stock Statement of all kind of store.

A bill is a commercial document issued by a seller to a buyer, relating to a sale transaction and indicating the products, quantities, and prices for products or services the seller had provided the buyer.

A barcode is an optical machine-readable representation of data which is related to the entity to which it is attached. Barcodes are systematically represented data which varies from width and spacing of parallel lines, and which it may be referred to as linear/one-dimensional.

Radio Frequency Identification (RFID) is the wireless use of electromagnetic fields for transferring data to identify automatically & tracking the tags which is attached to objects. The tag contains electronically stored information in the cloud.

The Stock auditing refers to a systematic examination of stocks, accounts, documents & vouchers of an organization to make sure how far the financial statements present a true & fair view of concern stores.

In this module work will be divided with respect to the stock availability & resource availability of the Organization and store the data respective rack and bin numbers.

In this model, it generates the gap report and monthly sold report. It stores the data in cloud and it also work on the offline and online.

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I. INTRODUCTION

Point of Sale Interface for business Process automation system is add on feature for existing business process automation system software. The modules that will be built, will enable the retail outlet to bill the customer using barcode technology, manage the incoming and outgoing stock of the show room and also manage the queue by using bursting methodology using barcode/RFID PDA. Some of the other features that will be part of this project will be auto email intimation for the items that have expired but still in show room. These modules will help to manage the retail outlets stocks very effectively.

It is the complete Sale Interface business Process automation system is designed to down grade the work load of business Process system. The main feature of this system includes invoice, inventory & stock control, accounting, client & vendor management.

This software application helps to track all profit, loss, profitable clients & products of business moreover its automation software. Flexible and adaptive software suited to retail outlets stocks or stores of all size.

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II. RELATED WORK

This system provides the interface which helps the users in a graphical way to manage daily transactions as well as old transaction history. It also provides the management reports such as monthly inwards and outward, monthly deliveries & monthly returns.

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III. METHODOLOGY

The model that is basically being followed is the WATER FALL MODEL, which states that the phases are organized in a linear order. First of all the feasibility study is done. Once that part is over the requirement analysis and project planning begins. If system exists one and modification and addition of new module is needed, analysis of present system can be used as basic model.

In this model the sequence of activities performed in a software development project are: -
- Requirement Analysis
- Project Planning
- System design
- Detail design
- Coding
- Unit testing

WATER FALL MODEL was being chosen because all requirements were known beforehand.

Fig. 2: Water Fall Model

IV. CONCLUSION

Data Warehousing is not a new occurrence. Every organization already has their own data warehouses, but they are not able to manage them. In next few years, the growth of data warehouse is going to be massive with new products & technologies which are coming out often. In order to get the almost out of this time, it is going to be important that data warehousing planners & coders have a clear idea of what they are actually looking for & then choosing strategies & methods that will deliver them with performance & flexibility for today & tomorrow.

REFERENCES