ORDER FULFILMENT OPTIMIZATION

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ABSTRACT

Business plays a major role within our society. It is a creative and competitive activity that continuously contributes to the shaping of our society. By satisfying the needs and wants people cannot satisfy themselves, businesses improve the quality of life for people and create a higher standard of living. Businesses are not only important because they provide goods and services for consumers, but they also improve the economy and increase jobs for people within society which is an additional fact producing a higher standard of living.

In order to improve the business, much more of technical elements are incorporated with the business systems, out of which Order fulfilment optimization system is a main one among these. In these system, bills or invoices are generated digitally by computers and software applications.The project is an application to automate the process of ordering and billing of departmental stores.The importance of these software can be concluded as Time-savings and efficiency.If properly implemented, the system allows employees to focus on less monotonous and more strategic activities also it helps in Error reduction.The Key feature is that the application provides a proper system of record (SOR) and helps in system integration

Through this web-based application we develop an automated billing system which helps the users to manage their orders as well as the administrator to keep an overall and accurate records of their transaction. This application also administrates its users and customers.

EXISTING SYSTEM

The currently existing system involves in manual collection of the order which requires the supplier to individually meet the customers in order to get their order and also to collect the cash and to deliver the products for the second time which is actually a waste of time. Lack of automated bill generation may result in unwanted errors in reports which will further lead to the uttermost confusion at the final report assessment. Manual tasks have a 50% chance of mis-interpretation which will lead to further complication to the entire business establishment.

Demerits of Existing System:

1)Lack of automated billing systems

2)In-accuracy of reports due to manual entries

3)Wastage of time while meeting the customers twice(one for claiming orders and second for delivery and collection of cash).

PROPOSED SYSTEM

As we know the currently existing system fails in the automation of business transaction we try to develop a new system which can overcome all the disadvantages of the existing system.Our main aim is to improve the accuracy of the records by implementing automated billing system. This also helps in the suppliers to save their time just by going to the customers only once while order collection process is done online while the customers order the products online.

We present the Administrator as well as the user module as webapplication and the supplier module is implemented as an android application

MERITS OF PROPOSED SYSTEM

The main merits of the proposed system can be :

1.Improved Accuracy of reports

2.Time saving

3.System integration

OBJECTIVEOF PROPOSED SYSTEM

1. Add and maintain record of available product.
2. Add and maintain customer details.
3. Add and maintain description of new product.
4. Make an easy to use environment for users and customers

TYPE OF REPORTS

- Daily sale report.
- Monthly customer report
- Daily product report
- Due date report (Report of a particular day)
- Billing report

MODULES

1. Admin
2. Supplier
3. Customer

SYSTEM SPECIFICATION

Hardware and software requirements for the installation and smooth functioning of this project could be configured based on the requirements needed by the component of the operating environment that works as front-end system here we suggest minimum configuration for the both hardware and software components.

Working off with this software is requirements concrete on system environments. It includes two phases

- Hardware requirements
- Software requirements

HARDWARE REQUIREMENTS

- INPUT DEVICE : MOUSE, KEYBOARD
- OUTPUT DEVICE : MONITOR
- MEMORY :4GB RAM(MINIMUM)
- PROCESSOR : PENTIUM 4 above

SOFTWARE REQUIREMENTS

- OPERATING SYSTEM : WINDOWS 7/8 or above for better performance

Android for Mobile app

- FRONT END : Python(For web application)
- FRAMEWORK :Flask
- BACK END : MySQL

SOFTWARES USED : Adobe Dreamweaver cs6

- WEB BROWSER : Internet Explorer/Google Chrome/Firefox