SYNOPSIS

Project title: Supermarket Management System

**INTRODUCTION:**

**Objective:**

The objective of the **“Supermarket Management System “**is to produce software which manages the sales activity done in a supermarket, maintaining the stock details, maintaining the records of the sales done for a particular month/year. The users will consume less time in calculation and the sales activity will be completed within a fraction of seconds whereas manual system will make the user to write it down which is a long procedure and it also consumes a lot of time.

The data will be stored in the database. Because of this software, paper work will be reduced and the user can spend more time on the monitoring the supermarket. The project will be user friendly and easy to use.

**Scope:**This project is helpful to computerise the item transaction, sales activity record keeping which is a very huge task and maintaining the stock.

**PROJECT CATEGORY:**

RDMS

**PROJECT DESCRIPTION:**

The **“Supermarket Management System”** is based on the sales transaction of items in a supermarket. The first activity is based on adding the items to the system along with the rate which are present in the supermarket and the name of the items which the supermarket will agree to sell. This authority is given only to admin. Any modifications to be done in the item name or the in the rate can be done only by admin. He also has the right to delete any item. As the customer buys the products and comes to the billing counter, the user is supposed to enter the item name he purchased and the quantity of the item he wanted to purchase. This is not a huge a task. The system will display all the items whose name starts with the letter selected by the user. He can select out of those displayed. Finally a separate will be generated for each customer. This will be saved in the database. Any periodic records can be viewed at any time.If the stock is not available, the supermarket orders and buys from a prescribed vendor. The amount will be paid by deducting the total amount acquired in the sales activity. Admin provides a unique username and password for each employee through which he can login.

**Modules:**

* **Account Configuration:**
* **Employee:** When a new employee joins the company, his record is saved in the database.
* **Items:** Here the Admin can add any new items present in the supermarket. He also has the right to modify or delete it from the database.
* **Registration:** As soon as the employee joins the company, the admin provides unique username and password to him.
* **Sales:**As the customer buys the products and comes to the billing counter, the user is supposed to enter the item name he purchased and the quantity of the item he wanted to purchase. This is not a huge a task. The system will display all the items whose name starts with the letter selected by the user. He can select out of those displayed. Finally a separate will be generated for each customer.
* **Vendor Order:** If the stock is not available, the supermarket orders and buys from a prescribed vendor. The amount will be paid by deducting the total amount acquired in the sales activity.
* **Stock entry:** The items bought from the vendor will be entered here and this will be added to the stock.
* **Indent Report:** This provides the report of the items sold for a particular month/ year and also gives the total amount acquired.
* **Vendor Report:** This provides the report of the items bought from a vendor for a particular month/ year and also gives the total amount spent.
* **Display:** A user can view information regarding Items present in the supermarket.
* **Logout:** This module allows the user to **Logout** the application. Further operations cannot be performed after user exits



**HARDWARE REQUIREMENTS:**

* **Processor:** Intel dual core or above
* **Processor Speed:**1.0GHZ or above
* **RAM:** 1 GB RAM or above
* **Hard Disk:** 20 GB hard disk or above

**SOFTWARE REQUIREMENTS:**

* **Language:** Visual Basic 6.0
* **Database:** Microsoft SQL server 2008

**CONCLUSION:**

“**Supermarket Management System**” software developed for a company has been designed to reduce the time taken to handle the sales activity. It is designed to replace an existing manual record system for reducing time taken for calculations and for storing data. The system uses Visual Basic as front end and SQL server as a backend for the database.

The system is strong to handle daily operations where the database is cleared over certain time. This system will reduce manual work, calculations and will also provide periodic reports any time.

**BIBILIOGRAPHY:**

**Books**

* “An Integrated Approach to Software Engineering”- Pankaj Jalote
* “Database Management System”- Elmasri and Navathe

**Websites**

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* <http://www.wikipedia.com>