***Online Sales and Inventory Management System (SIMS)***

**TEAM MEMBERS**

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**ABSTRACT**

This project is aimed at developing an online Sales and Inventory Management System (SIMS) for a departmental store. This system can be used to store the details of the inventory, update the inventory based on the sale details, produce receipts for sales, generate sales and inventory reports periodically etc. This is one integrated system that contains both the user component (used by salespersons, sales managers, inventory managers etc) and the admin component (used by the administrators for performing admin level functions such as adding new items to the inventory, changing the price of an item etc). This system runs on multiple terminals, offers a GUI interface to its users and connects to a common database(s).

**MODULES:-**

The Project has the following modules

* Sales Manager
* Sales Person
* Inventory Manager
* Admin

1. A **sales person** should be able to
   * login to the system through the initial screen of the system
   * change the password after logging into the system
   * see the status of the inventory, ie, whether a particular item is available or not etc
   * search for a particular item by typing the initial letters (‘app’ for example may bring up the item ‘apple’ in the top) or by category-wise (apple, for example, may be looked up by going through the category ‘fruits’)
   * enter the items purchased by a customer and produce a bill for the same (the bill will have a unique sale id, date, time, item/quantity/price details etc)
   * cancel the produced bill, in case of error in entering the details, and produce a new one
   * take back an already sold item that is not satisfactory to the customer (the shop allows that) and produce a receipt for the same
   * inform the inventory manager about the items that are not available, so that they can be stocked
   * inform the sales manager about any exceptions (such as an item is being purchased, but it is not available in the system)
   * get help about the system on how to use the different features of the system
2. The **inventory manager** should be able to

* login to the system/change his password after logging in etc
* check the status of the inventory
* see the reports from sales people about items that are not available and need to be kept in the inventory
* validate the inventory against the sales done in the previous day (whether the items that are sold and the change in the inventory for the corresponding items match etc)
* generate inventory reports of the items category-wise, price-wise etc
* generate inventory-trends (like how is coffee powder stock changing over the month)

1. The **sales manager** should be able to

* login to the system/change his password after logging in etc
* check how many bills have been generated in the day so far
* check how much money is transacted in the day so far
* check how many bills have been cancelled so far in the day(due to wrong entry by the sales persons)
* check how many items have been returned so far in the day
* check for any exception reports from the sales persons and correct it by contacting the inventory manager
* generate sales-trend graphs for each of the item (like how is apple selling in the last one month)

1. The **administrator** should be able to
   * login to the system and change his password after logging in
   * add new users to the system
   * add new items/categories to the inventory (‘grape’ may be added to the category ‘fruits’ or a new category such as ‘vegetables’ may be added) change the price of an item

**SOFTWARE USED:**

Language : C#.NET

Technologies : Microsoft.NET, ASP.NET, ADO.NET

Database : MS SQL SERVER 2008

IDE : Visual Studio 2010

Operating System : Microsoft Windows 7 or Later Version

**HARDWARE USED:**

* + - 1. Processor : AMD Dual-Core Processor E450
      2. Hard Disk : 500GB
      3. RAM : 4GB