



Object-Oriented Analysis and Design

Lab #6

Business Management Software _ BMS

1. System Management Module:

Manage information of a business and its branches such as addresses, services,
Add and remove user accounts, set up parental controls for any user and manage information of users in detail.
Set up system information, exchange rates.
Back up and recover data of the system.

2. Warehouse Management Module:

Manage warehouse inventory transfer slips. Warehouse Inventory Transfer Slip provides information on inventory items that have been transferred from one warehouse to another in the business. This slip displays the source and destination warehouses, transferred quantities, among other details.
Manage received warehouse inventory transfer slips. The Received Warehouse Inventory Transfer slip provides information on the receipt of goods transferred from a particular warehouse.
Create warehouse inventory reports. Warehouse Inventory Report provides information on inventory items in a warehouse.
Manage information of all warehouses in the business. The information of each warehouse consists of its address, inventory items, ...
Manage information of commodity groups in detail.
Create warehouse inventory report for all of warehouses, warn managers if the quality of an item is over/below its quality norm.

3. Purchase Management Module:

Manage prices of items, update costs of items.
Manage invoices.
Manage sell orders and trace order processing. Sell order provides sell information in detail such as product name brands, quantities, prices, venders,....
Manage import of goods orders and trace the process of providing goods of venders. Import of Goods Order provides item information such as product name brands quantities, prices, venders, ...
Manage return to vendor order. Return to Vendor Order provides information on product name brands, quantities, causes of returning goods,... The system allows to access information relating to the item returned.
Create purchase reports. Purchase Report displays open sales and purchasing reports, displays sales and purchasing documents that still have a draft status, analyzes the purchasing volume of vendors and analyzes the liabilities to vendors.

4. Business Management Module:

Manage invoices. Invoice provides information on prices, qualities of each item.
Manage import of goods orders that provides a secure and cost effective way to receive goods before making payment.
Manage sell orders that provide specifications such as product name brands, quantities, unit prices, venders...
Manage return to vendor orders that provide specifications of items returned.
Manage sale reports that consist of statistic of liabilities, delinquencies,....

5. Revenue and Expenditure Management Module:

Manage revenue bills.
Manage expenditure bills.
Manage other revenue methods



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Manage other expenditure methods

6. Human Resource Management Module:

Manage employee attendances, employee's work hours, employee's holidays, ...

Manage payroll with discount or without discount.

7. Report Management Module:

Manage import product report that provides the specifications

Manage the export product report.

Manage other collection and classification reports that collect the administration information, statistic the business results (sell summation in product order, customer order, product-customer order, VAT bill related cost, business activity, business fund, general import order)

Other features of BMS:

1. Enhanced features of BMS:

Integrate module to sending customer messages

Use point card, member card that help the solution for regular customer service

2. Bill- and product code-printing technology:

Use Laser printing technology

Associate Prices with Your Barcodes

Use bill printing technology

Detect 2D product code and 3D matrix code

3. Technological customer messages:

Send direct messages

Use product code specialization printing technology

Use bill printing technology

4. Data security:

Classify decentralization user in function order

Use specialize product code printing technology

Decentralize product code specialization printing technology

Build the conceptual model for the above system.