Mart-Co-op.

**Introduction:-**

Maintain accurate stock counts, reduce errors, and avoid time consuming manual entry of items, location bins, pick orders, and inventory receiving. Real-time inventory reports allow you to compile and analyze essential data, like transactions by site or warehouse, itemized inventory levels by SKU, or individual customer purchase order history.

Automatic low stock level notifications ensure you will never lose out on another sale due to stockouts. Set automatic re-order points down to each bin location and preferred vendors for each inventoried item.

A Wasp inventory solution for your warehouse or distribution center can help manage your inventory efficiently by reducing unnecessary spending, increasing productivity, and minimizing downtime.

Trigger reorder alerts for low stock items and your company can create purchase orders for these items that can be sent from the software directly to your vendors. Then use Wasp’s scan-centric receiving feature to accurately and quickly scan items when they arrive from that purchase order.

Customer satisfaction is #1 when it comes to the retail business. The ability a Wasp inventory solution provides you to avoiding running out of stock of a popular product as well as quickly determining how much you have in inventory and where it’s located could be the difference in keeping a happy customer or losing their business.

One of the biggest inventory problems retailers face is theft, whether it’s perpetrated by customers or employees. Without an accurate inventory management system companies often don’t know in a timely matter than items are going missing. With a Wasp inventory system you can quickly perform inventory audits or cycle counts with a mobile device and identify inventory discrepancies.

A Wasp inventory solution is a great for handling your stock room needs no matter how small or how large it may be. When inventory leaves your stockroom you have the ability to log what employee and/or department or location the supplies went to. Easily pull up historical information of who received what, when and how much so you know all the details of your stock consumption.

If people don’t have the necessary supplies when needed it costs a company both time and money that can’t be recovered. A Wasp inventory solution allows setting reorder alerts for when items reach low stock so you never get caught without the supplies your business needs. At the same time you can eliminate unnecessary spending for items you don’t need and aren’t being consumed frequently.

**Scope of work**

The scope of the proposed is to identify the qualities required of the application, in terms of functionality, performance, ease of use, portability and so on. The task of the developers at this stage is to determine exactly what it is that the client needs. It is helpful through the four major activities of

**Faster viewing and retrieval of data: -** With this new data will be viewed faster and data will be retrieved as per the requirements. No information about anybody will be left out.

**Less effort: -**With this users will not get much stress on them and less effort will be given on user.

**Stock Management: -** With this we can manage stock of inventory products of multiple branches very efficiently.

**Faster, accurate reports and result will be easier to understand:-** Whenever user needs to take some important decisions with help of the records the user can take necessary steps, accurate and easy to retrieve.

**Objectives:-**

* Real Accounting & Inventory Software which gives you 100% control on your business. Due to easiness, flexibility, self-customization options and time to time up-gradations are the major reasons behind its success.
* In B-Mart, billing system is very much advanced yet easy to use. In our views, customer spend more time on their billing so that we are always focused on the ways through which you can do your billing with the less use of enter key. Cash/Credit Management, Challan/Order Loading, Item Searching, Real Time with Live Balances on Multi-user, Light Fluctuation Security options etc are incomparable.
* Multiple salesmen can handle multiple customers on single computer.
* Multi Series Provisions
  + Series feature of B-Mart is very advance so that customer can use this option for maintaining reports, outstanding etc. In this you can set series wise rates & discounts. You can use company wise different series for billing & reporting. Even this can be used for differentiate Tax & Retail billing.
* Point of Sales provision
  + At fast sales counters POS Billing is very much important. In B-Mart POS Billing is fully advanced due to its certain unique features like Barcode, Virtual Keyboard, Touch Items Pop-ups and Tender for Cash/Credit/Other collection etc.
* Discount system
  + In B-Mart, Discount System is fully advanced. In this different types of discounts are available like- Percentage, per unit, Lump sum etc. in this you can set Bill wise, Item wise or Group wise discounts.
* B-Martins & Losses
  + In B-Mart, high focus is given on B-Martin & Losses Management. In Today's competitive time, even a little mistake let your business down. Such type of Losses Management is built in B-Mart so that loss due to mistakes can be avoided.
* Bill Printing
  + In B-Mart, you can design bill formats both in GUI and DMP. The Bill Format Designer is that much advance as it is fulfilling all the requirements of our 6 Lakh users
* Flexibility & Facilities on Billing
  + In B-Mart, Billing system is much advance and flexible in which your Customer's, Transport & Bankers requirement can be fulfilled. Hot keys in B-Mart's billing system are very much advanced, you can switch over from bill to any report and vice versa.
* Barcode Management
  + In B-Mart, barcode can be generated in GS1, Serial, Shuffle, Composite etc ways. In B-Mart, we have developed advance system to manage International and self- Barcode.
* Order Management
  + In B-Mart software, Sales & Purchase Order management is very advance, there is facility of loading partial or full order. To run B-Mart according to every customer there is several setups available such as balance order should be pending or get automatically deleted, at the time of overloading in bill whether pick rate from order or from masters etc…
* User Friendly
  + B-Mart is fully menu driven and pop-up based software so there is no need of remembering codes. B-Mart is designed according to those businessmen's who have less knowledge of computer so they can operate this software easily.
* Flexibility
  + B-Mart is very advance and flexible software as you can customize it according to your business. It means there is no need to change yourself according to software as software will change according to your requirements.
* Securities
  + In B-Mart, management can set powers and boundations operator wise. There is a provision through which you can freeze ledger's transactions. There are provisions through which data can run with defined hard disk or only on defined computer.
* Utilities & Backups
  + In B-Mart, strong backup facility and related utilities are available so that there is no loss of data and you can work smoothly.
* Email, SMS & Personal Organiser
  + In B-Mart, there are provisions of auto sms & email regarding bills, outstanding, reminders, schemes, etc. You can maintain your personal diary & appointments in B-Mart software.M
* Stock Reports
  + In B-Mart, you can maintain as well as manage Company wise Reports, Batch- wise Reports, Old/Expiry wise Stocks Reports, Minimum/ Maximum Level wise Stock Reports, etc. Through these reports you can enter into stock register and from there you can reach the bill. You can also export these reports & statements in excel, pdf, csv, etc
* Sales Analysis
  + In B-Mart, you can analyze your business with the help of thousands of reports. In each and every report there is several filters or options are available so that you can analyze your requirements. You can transfer these reports even on excel, pdf, csv etc.
* Purchase Analysis
  + In B-Mart, you can analyze your purchase with the help of thousands of reports. In each and every report there is several filters or options are available so that you can analyze your requirements. You can transfer these reports even on excel, pdf, csv etc.

**Existing:-**

The existing B-Mart Inventory System is manual. It is a lengthy process and this process is not optimized. The Branch Head of each Branch have the competent authorities for the dispatching and transportation of inventory product depending on the type of order. Because that managing the whole inventory life cycle is complicated process but This application have Super Admin for analysing and decision making purpose. For the branches of the inventory, the head of the branch acts as the controlling officer. It provides authority to sales person for dispatching product with generating proper dispatch report.

**Project Modules:**

**Application User & Roles:-**

There are three types of user for this application:

* **Super Admin:** Super Admin have authority to monitor and perform all activities of whole B-Mart Inventory System because of that decision making and maintain proper work flow of inventory system is easy. Super Admin have authority to approve branch head for each branch.
* **Counter:** Can withdraw stock and he can sale inventory products with the help of dispatch module by generating proper report. And sales person can resubmit stock with the help of redraw module.

**Modules:-**

## Order Management

* Purchase & Sales order management
* Reorder System on the bases of Sales, Stock-Sales Order, Minimum Level, Todays Sales, etc
* Show last 4 deals of purchase in reorder system / order feeding
* Provision to split order in parts
* Provision to issue order in Pcs / Box
* Auto purchase ordering on the bases of Best Supplier (Discount/Cost)
* Provision to decide best supplier on the bases of last ??? deals
* Show old pending orders of item at the time of ordering
* Provision to show last deals of Sale/Purchase or Order
* Item/Order wise delivery date, terms & instructions
* Selected Parties/Items wise pending order list
* Order Analysis on Sales Order, Purchase Order & Current Stock
* Provision to load pending orders in bill modification
* Provision to Less orders only from Selected Order or Fifo
* Provision to collect cash/cheque and post in accounts
* Provision to import orders from net (Customized)
* Online Shortage System with Supplier/Company wise reports
* Loading provision : Company wise / Selected Orders with selected items
* Can be loaded Partial Quantity
* Sign for unchecked loaded items from order
* Purchase/Sale orders can be created online at the time of billing
* Provision to update orders on Bill Edit/Delete
* Provision to pick rates, deals, discounts from order or normal

## B-Martins & Losses

* Separate colour for loss items in bill
* Loss indication on Cost & Cost+B-Martin bases
* Profit calculation on (Sale-Cost)\*100/Cost or (Sale-Cost)\*100/Sale bases
* Provision for B-Martin analysis on Cost or Cost w/o Deal or Self defined Rate
* Default/Operator wise B-Martins, Cost, Purchase Rate & Deals display or not
* Operator wise loss billing disallowed option
* Show Item/Bill wise B-Martin in Rs, %, Both
* Show cost & B-Martin on my defined screen position
* Provision to Add interest on cost for profit calculation
* 2nd B-Martin for Cost W/o Deal, Cost+Tax, MRP-Cost-Tax,etc
* Show current & old B-Martins in Batch Window

## Discount system

* Bill wise 4 Discounts in percentage
* Item wise 2 Discount in percentage
* 2 Volume Discounts on Per Unit/Lumsum bases
* Company/Item/Party-Company/Party-Item Discount
* Company wise separate discount % for Cash/Credit parties
* Maximum discount limits Company/Item wise
* Date wise Rates, Schemes & Discount provision
* Quantity wise Discounts
* Provision for 1st & 2nd Discount only for reporting/commission (Not less in Bill)
* Ask for Discount change save in Party Special dealings
* Discount Lessby system ie 10%Disc.-2%Lesssby than Disc. Print 10% Calculate 9.8%
* Provision to Post discount amount in memorandum ledger
* Various provisions for Discount Calculation
* Provision for Bills discount on the bases of Bill Value
* Operator wise discount ban in issue/receipt
* Operator wise maximum discount

## Rate Management

* 9 Rates, MRP, Purchase Rates, Cost, Cost w/o Deal
* Party wise default rate for Sales & Brk/Exp
* Party wise Item special Rates
* Party wise Add in Rate provision eg.Rate=Rate+%, Rate+PurchRate\*%, Rate- MRP\*%/100,   
  (i)  Rate-(Mrp\*Deal / (Deal+Free))\*%)/(100+%), etc
* Master/Batch/Date wise Rates
* Minimum Rate setup
* Price to Retailer / Price to Stockist provision
* Self-define name for 9 price list
* Increase rate with x% Item-to-Item/Bill Wise
* Rate in 2,3,4 decimals
* Pick Rates, Schemes, Discounts from last deals
* Less rate indication
* New/Old rate indication & printing provision
* Approximate Rate show/create on MRP/Cost/Purchase + Item B-Martin
* Provision to open batch windows if different rates on FIFO
* Generate Net Rate on the bases of purchase discount
* Generate sales rates on Purchase Rate/MRP/Cost
* Ask rate in multi-currency (Item wise)
* Operator wise sale rate decrease upto %
* Net Rate, Net W/o Deal, Lot Rate, Scheme Net Rate, Estimated Rate hot keys
* Multi Rate changer & Rate advisor

## Counter Sale Entry

* Multi customer handling provision
* Direct interaction with database no need to save
* Customer merge provision
* Purchase bill feeding on counter entry
* Operator wise counter sales
* Supervisor can see all counter sales
* Counter sale to Bill conversion

## Sales Bill

* Provision for Barcode Billing & Printing
* Item Search on Name, Code, Barcode, Fast Search Code, etc
* Provision for Item Photo printing on bill
* Light Fluctuation Security (Unsaved bills can be loaded)
* Estimate Provision with advance provision
* Multi Bills on Single Computer for multi customer handling
* Multi firm Billing (All items selected in single bill and auto save in respective firms)
* Provision for Sold but not billed & Billed but not sold
* Hot keys to feed Purchase, Other Entry or Modify/Print Bills
* Provision to load items from other bill
* Provision to load items from other company bill
* Import & Export Data from Branch/Head Office
* Credit/Debit Note adjustment provision in bill
* Cancelation, Amendment with amended items statement
* Cashier/Checker System
* Provision for Direct Email Bill to Party & Field Staff
* Provision for Direct SMS Bill Detail to Party & Field Staff
* Prohibited Party/Item provision (Transaction allowed only to selected users)
* Loss & B-Martin Loss Indication
* Hide Party/Item provision (Show only to selected users)
* Stop Billing provision for Company/Item/Party wise Item
* Challan Selection : Selective/All Items/Partial Quantity
* Order Selection: Selective/All Items. Balance order shift in Shortage, Delete, Pending
* Country Entry : Selective/All Items

## Point of Sales provision

* Barcode Scanning
* Item Searching provision for Barcode Miss print on +key
* Item wise default sales quantity
* Cash/Card/Both acceptance
* Get ready for next bill after bill saving (No party selection every time)
* Efficient Return Management on same bill
* Provision for separate cashier system for cash collection
* Multi customer handling on single computer
* Auto pickup of Rates, Discounts & Schemes
* Bill value bases discount system
* New scheme, products, etc sms & email system

## Bill Printing

* Self-designed unlimited format for GUI & DMP
* Party/Series/Agency wise different invoice formats
* Record of how many times bill prints
* Multi language printing
* Separate headers & formats for Bill, Challan & Estimate
* Duplicate format auto printing (2 Column Printing)
* In sales bill, Self-defined heading of Sales Return, Brk/Exp, Repl., Price Diff. headings in Sales Bill
* Adjusted Debit/Credit Note with / w/o item detail print provision
* Size printing in columnar format (Auto Adjust)
* Vat % wise Variables for Sub totals, Discounts, Vat, etc
* Provision to print Index/Company/Group wise subtotal & heading
* Index/Company/Group wise separate slip printing
* Self-Definable variables for sum & print
* Underline/Sign Supplied Items
* New/Lot Rate Items print in Bold/Sign
* Print 1/2/3 Items per line
* Print item in same line if Rates & Discount are same
* Unlimited Bill/Item remark
* Default Terms & Conditions
* Provision to print Company Logo/Item Photo
* Provision to print Acknowledgement
* Provision to print Pending Order

## Purchase

* Purchase Order & Indent provision
* Purchase Order Loading Full / Item Wise / Partial Quantity
* Supplier wise separate calculations for different type of bills
* Entry No. provision for Purchase Bills
* Item entered marked as unchecked and show authorised person for check
* Pick Rates, Discount & Deal from any last, party last provision
* Last 4 deals for Rate, Discount, Deals & Cost comparisons
* Testing required after purchase provision
* Purchase Type wise Sales Boundations provision
* Provision to save Purchase Item remark for print in sale
* All / One by one Size/Batch purchase feeding
* Purchase Return, Brk/Exp return, Replacement, Price Difference provision in bill
* Batch, MRP, Excise, SC, Free, Mfd, Exp, Barcode, Manufacturer, Packing provision
* 2 Item Discount in %, 2 Volume Discounts, 4 Bill Discounts, 3 Add/Less, Cash Payment
* Old & New Cost & B-Martins, Cost w/o deal & B-Martin, Sales MRP %,   
  i   Purchase MRP % for comparisons
* Rates & Scheme can be defined at the time of purchase on MRP, Cost+B-Martin,   
  i   Purchase Discount, Self-defined, etc bases
* Cost on the bases of Last Purchase / Average Bases
* Approx. Rate / Auto Rate change provision
* B-Martins on the bases of Sales
* Checking provision for re-check batch rates, scheme
* Input Tax Credit changeable if calculation not matched
* Self-defined Goods Receipt Note printing
* Self-defined Label Printing
* Barcode creation & Self-defined Barcode Printing

## Outstanding Analysis

* Party wise Bill-by-bill, FIFO & On Account provision
* Party, Area, Rout, MR, ASM, RSM, ZSM, Whole Outstanding
* Bill Holding provision for disputed bills
* Monthly / Date wise Bill Merging in a single Bill provision
* Separate remark for Bill
* Provision to print for Monday, Tuesday, etc O/s List
* Provision to print Day bases List same as Monday, Tue…
* Bill date selection provision
* Overdue / Whole dues printing provision
* Provision to Less Post-dated cheques or Not
* Pending Credit Notes Show or not In outstanding
* Series wise outstanding
* Company wise outstanding (Auto calculate from multi company bill)
* 24 different provision to temporary delete bills from list
* Provision to print Stock Less / Cash bills outstanding

## Flexibility

* Flexible date format DMY, MDY, YMD
* Flexible Currency Symbol & Name
* Provision to show Bill Value in 5 Different Currencies
* Million formats for figures
* Flexible voucher numbering System
* Multi Series in Bills/Challan/Vouchers
* User-definable fields on Bills/Item
* Flexible financial year beginning date & period
* Self-designable formats eg. Invoice, labels, cheque, receipt note, bank letter, cover note, vat return, stock & sales, etc
* Self-designable Barcode label through PRN/DLL
* Self-designable Multi Slips print on a page
* Self-designable Purchase Import System from Excel, Dbf, Csv, Txt
* (No need to feed manual purchase)
* 1750+ setups to change B-MART software as per customer need   
  i   Eg. Ask Voucher No. Y/N, Wait on Bill No. Y/N, Batch selection FIFO Y/N, etc

## Securities

* software / User / Company Password
* User wise Powers & Boundations
* Special Powers & features for Supervisor
* Unchecked Bills/Voucher list
* Voucher History & Passing Authority
* User wise show : Full Menu / Personal Menu / Hot Keys
* Data Freezing system on Date, Ledger, Sales
* Day wise closing

**Multi Options**

* Multiple Companies
* Multi Unit
* Multiple Godowns
* Multi Currencies
* Multi Locations
* Multi Language
* Multiple Financial Years
* Multi Firm Billing on single Bill

**Reminders**

In B-Mart, there is advance provision for letters or reminders which make your tasks easier.

* Overdue Reminders / Letters
* Account Confirmation Statement
* Bank Letters of Sales
* Scheme/General Letter to Customers
* Pending Forms
* Collection Reminder

## Accounting Reports

* Ledgers / Cash / Bank Books (With Last Year)
* Day Book / Journal / Dr/Cr.Note / Receipt / Payment & Contra Register
* Sales / Purchase Registers
* Duties & Taxes
* TDS Form 16A & Challan
* Trial Balance/Trading/P & L Account/Balance Sheet on Tips
* Sales Tax Forms/L.R. No./Tpt./Banker for Central Sales
* Bank Reconciliation & Interest Calculation
* Depreciation Statement
* Monthly summaries of ledgers & Groups
* Un-Cleared Cash Book
* Voucher Separate/Multi Printing
* Interest Calculation Party/Rout/Area/MR/Account Group/etc on 360 & 365 Days
* Advance Cheque with Cheque Printing on Self-Designed Format
* Post Dated Cheques &Bank Pay in Slip
* Ledger / Group Analysis & Comparisons
* Summaries of any Accounting Group / Ledgers
* Cash Flow, Fund Flow & Ratio Analysis
* Budget analysis (Ledger / Group)
* Overdues (Receivable & Payable) Party / MR / Route / Area wise / Tagging
* All Accounts bundle reports (If Accountant use different software)
* Data Import/Export from other software
* Expenses Import/Export for creating fast balance sheet
* Frequent Voucher System on Amount, Sale & Purchase bases

## Stock Reports

* All Items / Available Items
* Stock Reports with Item Photo
* Rack No / Company / Salt / Category / Group wise Stock
* Batch/MRP/Size wise Stock
* Stock Valuation on Format
* Stock Aging Analysis
* Fast & Slow moving Items
* Purchase Type wise Stock
* Selected Supplier wise Stock
* Minimum / Maximum Level Stock
* Always Better Control Analysis (ABC Analysis)
* Before Expiry/MFD wise stock
* Near Expiry Stock report
* Dump Stock report
* Hold Stock report
* Negative Stock report
* Stock Life Statement
* Rate Difference Stock List on New Rate/MRP/Sale Rates/MRP wise Purchase/MRP=0
* Negative Stock report
* Manufacturer wise Stock
* Barcode wise Stock
* MRP From-To Stock
* Stock Statement in 1/3/4 column
* Special Multi Column Stock Statement
* Stock Statement Index on Tax / Unit / Rack / Company / Salt / etc

## Sales Analysis

* All reports selection on Series, Areas, Station, Routs, MR, Companies, Items, Parties
* All reports for single / all operator bases
* Sales Statements & Summaries with & w/o Items
* Party / Company & Party / Item wise summarised Sales Report
* Date / Month wise Cash / Credit sales summary
* Operator/day wise sales summary
* Bill wise Statement   
  i   From Date to Date, From Bill to Bill provision   
  ii   Cash / Credit / Both   
  iii   Club cash sale   
  iv   Stock Less & Challan Add option   
  v   Report for Sale, Sale-Return, Sale-Ret-Brk/Exp, S/Return, Brk/Exp, Replacement, etc   
  vi   Summarised, Detail, Columnar option   
  vii   Day total & with / w/o Item detail option   
  viii   Selective Parties, MR, Area, Rout, Company, Item, Series etc   
  ix   Operator wise report
* Party Return Analysis (Return & Break/Expiry percentage wise)   
  i   All parties return analysis   
  ii   Party product wise analysis   
  iii   All Companies/Areas/Rout/MR return analysis   
  iv   Party wise Return, Replacement & Pending Analysis
* Supplier wise Sales Summary
* Company / Supplier wise Lifting (Purchase) & Off take (Sales) Analysis
* Consolidated Sales Book, Only Sale, Sale – Return Book
* Company / Item wise Sales, Return & Breakage/Expiry analysis
* Rate Comparison Statement
* Free Issue Analysis   
  i   Free issue statement with free value   
  ii   Issue, Receipt & Balance Analysis   
  iii   Extra free issued statement
* Challan adjusted in bill statement
* Bills wise challan adjusted statement
* Area wise Challan, Bills, Collection, Ledgers Balance, Pending Challan, Total Balance
* B-MART Triangular Sales, Sales v/s Return Analysis with percentage of aggregate   
  i   Party / Company / MR / Rout / Area / Unit  ***v/s***  Company / MR / Rout / Area / Unit / Party  ***v/s***  A/Item / Summary of A / Item/A
* Eg. A-Area v/s B-Party v/s Item analysis
* Sales Return, Brk/Exp, Replacement, Price Diff, # Items in Billt
* Dispatch Document & Transport Register
* Sales, Amendment & Collection Summary
* Incentive & Claims for Field Staff / Party   
  i   Incentives calculation on various options   
  ii   Separate % for Parties defined under Retailers, Stockiest, Distributors, Others   
  iii   Incentive on Collection   
  iv   Party wise special incentive   
  v   Company wise general & Field Staff / Company wise Incentive   
  vi   Item wise general & Field Staff / Item wise Incentive   
  vii   C&F Commission
* Discount Statement   
  i   Companies/Items Discount Summary (Volume, Item, Bill Discount)   
  ii   Parties/Items Discount Summary   
  iii   Bill/Items Discount Summary   
  iv   Bill Discount Summary   
  v   Item Discount % wise Analysis
* vi   Item wise general & Field Staff / Item wise Incentive   
  vii   Company Discount % wise Analysis

**Purchase Analysis**

In B-Mart, you can analyze your purchase with the help of thousands of reports. In each and every report there is several filters or options are available so that you can analyze your requirements. You can transfer these reports even on excel, pdf, csv etc.

* Day / Month / Bills wise Statement
* Company / Item / Supplier wise Statements & Summaries
* Bill wise Items Self Life Statement
* Purchase Bill value difference statement
* Purchase checking statement with sales rates & deals
* Bill wise Purchase Cost Cross Checking statement
* Purchase Discount Mismatch Statement
* Purchase Planning (Best Supplier) Statement
* Item/Company/Supplier Purchase Analysis
* Free Receive Analysis
* Item & Bills wise Discount Analysis

**Hardware Requirements**

Processor : Intel Dual

Memory size : 128 MB RAM

Storage 20 GB Hard Disk, 1.44 MB - 3.5” Floppy Disk

Display : EGA/VGA Color Monitor, 600 x 800 Pixels Resolution,

High Color (16 Bit)

Key Board : Any with minimum required keys

Mouse : Any

**Software Requirements**

Operating : Windows versions

Front-End Tool : HTML, Jsp, jQuery, Ajax, Java Script,

J2EE (Java, Hibernate 4.x Spring 4.x)

Web Server : Apache Tomcat 8.0.

Back-End Tool : MySQL 5.0