

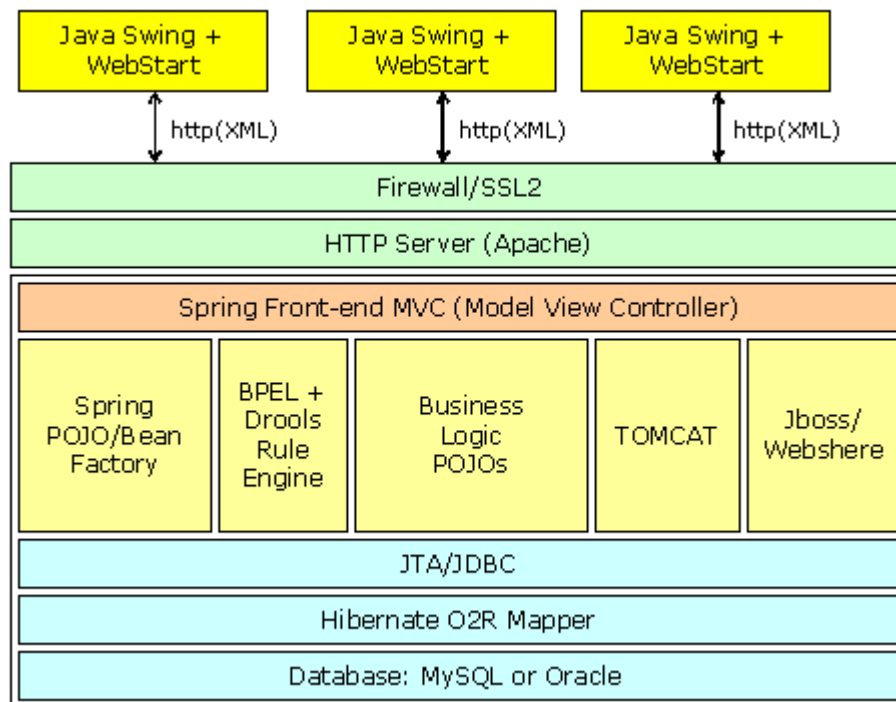


... putting IT in Perspective.

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|---------------------|---|
| Project Name | PaceSetter 2 (PS2) |
| Description | POS/Retail System |
| Customer | NJ Based Company |
| Size | 16 Man-Years |
| Technology | Server: Windows/Linux, Spring, Hibernate, MySQL, J2EE, JTA, JCA, JMS, XML, Xpath, XSD, XSLT, BPEL Client: Java Swing, XML, Xpath, XSD, XSLT, Java Webstart |

TECHNOLOGY

Pace Setter 2 is a 16 man-years migration project to migrate a specialized POS system for automobiles industry from Unix/C/Progress environment to Open Source J2EE platforms. The system uses Spring's POJO backend framework and the front-end MVC. It uses Spring's ability to implement AOP (Aspect Oriented Programming) using Before and After Advices, and IoC (Inversion of Control) based Injection of Dependency making the processing of every event very flexible.



Event processing is controlled using BPEL (Business Processing Execution Language) defined workflow rules. The front-end is Java Swing, where we have used the same IoC pattern to define screen configurations as external XMLs and have used common components across screens.



POS SYSTEM

The POS system is the centerpiece of the app. User can customize LookUps, Filters, Zooms, menus, toolbars, fonts, color schemes, Touch-screen, table views, and grid layouts

POS Tickets can be: Sales, Trade-Ins, Returns, Layaways, Deposits, Alterations, Back Orders, Special Orders, Rentals & Reservations, Cash back, Late Fees, Best-Price-Guarantee Related Re-imbusement/Payout, Pickups

The system supports Holds & Quotes, Gift Certificates, Gift Receipts, Coupons, Non-Merchandise Sales, Tax Calculation

The tender can be Signature Capture, Manufacture Coupon, Split Tender, Cash/Foreign Currency, Personal Check with Electronic Check Authorization – TeleCheck and Certegy, Store and Mall Gift Cards or Certificates or Stored Value Cards, Credit/Debit Cards with Address Verification AVS, CVV2/CVC2 support, Purchase Cards or Electronic Benefit Transaction.

POS assistant programs include ID Scanners Interface, Weighing Machines Interface, Prompted Purchase Items Popup, Restricted Items Sale Prevention, Item Lookup/Search, Item Serial Number Capture Prompt, etc.

The system can also print forms such as Tickets, Sales Drafts, Invoices, Receipts, Warehouse Picking Forms, Material Safety Data Sheets, Vendor Warranty Forms, Mail-in Rebates, Coupons, Gift Certificates, Shipping Labels, Work Orders, Quotes, Backorders, Special Orders, Credit Memos, RMA's, Standing Orders. Forms can be grouped together and customer information can be auto-filled. Forms can be tracked

PRICING & MERCHANDISING SYSTEM

PS2 provides an advanced pricing engine capable of handling:

- a) Discounts In Dollars/Percentages
- b) Discounts By: Quantity Breaks, Customer Category, Loyalty Program, Customer-Specific Contract, Limited Time Promotion
- c) Discount Limits By Item, Transaction
- d) Best Deal/Best-Price-Guarantee
- e) Restocking Fee
- f) Damage Goods Discounts
- g) Employee Discounts
- h) Store Coupon
- i) Mail-In Rebate
- j) Advanced pricing (Buy X, Get Y at Z Cost or Free)

PS2 supports a flexible kitting module.

Pricing strategies include:



- a) Margin goals
- b) Competitive and market position Goals
- c) Effective price points Management
- d) Minimizes profit erosion during the markdown cycle

Gift Registry options include:

- a) Gift Registry Assignment to an Transaction
- b) Gift Registry Assignment to an Item
- c) Gift Registry Assignment to an Transaction on specific Item

Store Cards options include:

- a) Membership Schemes
- b) Loyalty Discount Schemes
- c) Volume Based Discount Schemes

Commission calculation options include:

- a) By User Group – Counter Salesman, Other Salesman, Serviceman etc.
- b) By Item or By Ticket
- c) On Sale or on Payment
- d) Based on Sale Amount or Gross Profit
- e) Tracked by Ticket
- f) Commissions Due Report

OTHER SYSTEMS

The other systems include:

- 1) Store Back-office System
- 2) Customer Database
- 3) Inventory System
- 4) Purchasing System
- 5) Warehouse Management
- 6) Labels Printing
- 7) Financial Accounting System
- 8) Accounts Payable System
- 9) Accounts Receivable System
- 10) Central Office Control/MIS