Retail Pro Prism POS: Application Data Points

Technology Key Points

3-Tiered RESTful Application Architecture:

- **N-Tier System Architecture (Modular):** Provides a more adaptable modular development platform by separating the presentation, logic, and data tiers into distinct divisions. This separation allows development to be carried out in specific tiers with minimal impact in the other tiers, ultimately giving a more stable and scalable application

- **Representational State Transfer-based (REST) Logic Architecture:** The use of REST within the next-gen application allows the UI to remain in a RESTful state when not requesting data, eliminating the unnecessary load on the db imposed by applications which rely on continuous access logic layers. This is the same technology used by giants like Amazon, Yahoo, and Google.

Customizable User Interface: The next-gen application utilizes XML/CSS user interface allowing greater flexibility to adapt the user interface to the retailer's business needs, process and brand.

Push/Pull Communication Technology: Utilization of a "Publish" and "Subscribe" method of communication between Retail Pro Prism installations keeps the data transfer load balanced and allows for real-time communication.

Database Choice: Support for Oracle, MySQL, and MSSQL.

Highly Adaptable API: Next-gen RP product line will rely heavily on the client's native scripting capabilities with support for most standard Windows scripting languages. The inherent scripting capabilities carry on the tradition of Retail Pro's highly customizable and flexible foundation allowing the application to transform to the user's needs.

Flexible Topology: Together the N-Tier and REST architecture allow for a multitude of deployment topologies. The system can be installed in traditional, standalone form, typical client-server topology, or in a centralized fashion.

Functional Areas & Features (Point of Sale)

Beginning and Closing Day Procedures: Opening and closing processes for Registers, including definition for beginning drawer amounts and currency and denomination counting.

- XOut
- ZOut
    - Structured
    - Unstructured
    - Blind Closes
    - Consolidated ZOuts (Workstation and/or Store)
- Drawer/Till Reconciliation

General Sales Transactions: Creation and management of general sales transactions including Sales, Returns, and Exchange transaction types.

- Regular Sales
- Return Sales
- Exchange Sales Transactions
- Customer-based Sales (sales requiring a customer)
- Gift Receipt Printing (e-Receipts)
- Split Tender Transactions
- Multiple Currency Tendering

Special/Customer Orders: Special Order and Customer Order items can be placed on their own transaction or included on a normal sales transaction along with items sold, returned, or exchanged.

Customer Management:

- Creation and management of customer details
- Customer History
- Customer Lookup
- Required fields for Customer Creation

Employee Management and Security: Creation and management of employee information, permissions and security

- Shifts
- Drawer Assignment
- Commissions/SPIFs
- Security/Permissions

Price/Quantity lookup: Price lookup and inventory availability at POS

Localization: Retail Pro International's rich heritage as an international software application is carried on with this Next-gen application. Support for translation of the UI, as well as region-specific tax structures are native within the application.

EFT Support: The EFT support within the next-generation product line will use the latest in end-to-end encryption taking advantage of EFT hardware which encapsulates the sensitive payment information and encrypts these details prior to them ever reaching Retail Pro. Doing allows RPI to take the retailer's POS system out of scope for PCI and ultimately keep the customer's sensitive payment information secure.

For more information about this solution, please contact us at
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