



expert

... in creating extreme
precision in selling



Business Challenge

The client is the leader in spares distribution/resale in India having multiple location based branches/outlets across the India. To manage their day to day activities, they were using a desktop application at each branch/outlet and transferring the data at the end of the day to main office.

Application limitations:

- The application was developed in a legacy system hence hard to manage/get support in the current scenario.
- No data security because the data store is on file system.
- Single user support, hence, at a single location, they have to install application on multiple systems. This leads to data accessibility and accuracy problems.

The client was not happy with the existing application in the following areas:

- UI
- Data accessibility
- Functional capabilities and
- Reports produced.



Solution for Key Study

Tech Tammina has proposed a web based application having same functionalities as the current application to extend the market reach by reducing the total cost of ownership and reduce IT infrastructure requirement at customer end. The existing application needs to be replaced by a web application whereby all branches can access the system through web interface via Internet, while entire order processing logic, integration with stock inward/outward and invoice management resides on server side.



Application Description

eXPert is a comprehensive intranet/internet based application that caters to the needs of wholesale/retail distributors. It features built-in best practices for wholesale/retail distribution from one or multiple locations and their related warehouses and cost centers. eXPert gives distributors complete control of their wholesale business through real-time dashboards to improve ordering & invoicing, manage inventory efficiently, and deliver customer service effectively.

Achieve breakthrough efficiencies with such features as demand-based stock procurement, real-time inventory tracking and even more features as below:

Dashboards:

- Dashboards providing at-a-glance views of KPIs (key performance indicators) relevant to a particular objective or business process

Alerts

- Timely alerts to signal important/eye catching information that is to be needed immediate attention.



Data Management

- Masters data (Company and Accounts) management keeps the important data intact for all financial years. The Stock inward and outward helps effective management of purchase, sale related activities. The application enables tracking of purchase orders, purchase receipts, Sale orders, Sale invoices and Bill generation.

Reports

- In the professional world, decision makers rely on two broad types of reports: Some reports focus primarily on information ('what we're doing now,' 'what we did last month,' 'what our parties buying' etc.). But beyond merely providing information, many reports also include analysis ('what this information means for us,' 'what courses of action should be considered,' 'what we recommend, and why'). The application provides the following reports:
 - Inventory
 - Financial
 - Analysis



Business Advantage

Operator/User benefits:

- Full keyboard data entry for Inward and Outward
- Easy management of stocks
- Absolute control over bills receivables and payables
- Elaborated reports with downloading option in PDF/EXCEL formats.
- Centralized data store
- Security driven application (Role based access restrictions)

Technologies used

Presentation Layer:

→ HTML 5, JSP, Javascript, Ajax, JQuery with lightweight images.

Business Logic Layer:

→ JAVA/J2EE

→ Struts

→ Spring Bean management

→ IBATIS for persistence layer

→ Tiles Screens Layout Framework

→ Quartz for scheduled jobs

Database Layer:

→ MySQL

Application/web servers:


→ Apache Tomcat

TechTamma

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