Case Study
ORS – Open Retail System – An Reverse Engineering Engagement

Isetan Bangkok and Isetan Malaysia

Isetan is a Japanese department store. Based in Shinjuku, Tokyo, Isetan has branches throughout Japan and East Asia, including Phnom Penh, Bangkok, Jinan, Kaohsiung, Kuala Lumpur, Selangor, Shanghai, Singapore and Tianjin and formerly in Hong Kong, London, and Vienna.

Isetan was using old Legacy POS system. The requirement was to replace this with Next Gen POS system. ORS replaced the Legacy POS to Next Generation Open Retail System based on new technology (Java/ J2EE) and framework (SDE).

Few of the new feature also provided in newly implemented system:

- Point management system (PMS) – Loyalty Management Program to manage Customer Loyalty points with feature to generate Printable card on the fly
- Auto Purchase Order Triggering to enable easy Procurement of Item from Supplier
- Multi Store Support

Role of NTI in Implementation of the solution:

Reverse Engineering:

- Analysis of legacy ORS source code and BD documents and identified the business rules of the system, identifying the detailed functionality of existing system and creation of Business Logic Documents for Next-Gen ORS System.

-

Design, Development & Testing:

- Design & Development based on requirements from reverse engineering & existing working systems.
- DB schema was re-modeled & re- architected
- Multiple cycles of each testing phase that included Comparison test by comparing feature of legacy solution and next generation ORS system.