

**Sample  
Software Requirement  
Specification (SRS) Document  
for  
Offshore Software Development**

## Application for Product distributors Software Requirement Specification

Author	Version	Publish Date	Change Description(brief)	Approved By
Blessy		May 9, 2007	Initial draft	Niranj
Blessy	1.01	June 23, 2007	Second draft	Niranj

<b>1</b>	<b>OVERVIEW</b>	<b>4</b>
1.1	CURRENT SYSTEM	4
1.2	LIMITATIONS OF THE CURRENT SYSTEM	4
1.3	PROPOSED SYSTEM	4
<b>2</b>	<b>FUNCTIONAL REQUIREMENTS</b>	<b>5</b>
2.1	SYSTEM REQUIREMENTS	5
2.1.1	Scope and Boundary	<i>Error! Bookmark not defined.</i>
<b>3</b>	<b>BUSINESS EVENTS</b>	<b>6</b>
3.1.1	Work Flow	7
3.1.2	External Events	7
3.1.3	Temporal Events	8
3.2	INPUTS AND OUTPUTS	8
3.2.1	Inputs	8
3.2.2	Outputs	9
3.3	RELATIONSHIPS	9
3.4	PRECEDENCE RELATIONSHIPS	9
<b>4</b>	<b>OPERATION ENVIRONMENT REQUIREMENTS</b>	<b>9</b>
4.1	HARDWARE	9
4.2	SOFTWARE	9
4.3	NETWORK	9
4.4	COMMUNICATION	10
<b>5</b>	<b>PERFORMANCE REQUIREMENTS</b>	<b>10</b>
<b>6</b>	<b>STANDARDS REQUIREMENTS</b>	<b>10</b>
<b>7</b>	<b>SPECIAL USER REQUIREMENTS</b>	<b>10</b>
7.1	AUDIT TRAIL	10
7.2	RELIABILITY TBD	10
7.3	TRANSACTION VOLUME AND DATA VOLUME	10
7.4	BACKUP AND RECOVERY	10
7.5	LEGAL	10
7.6	DATA MIGRATION	10
7.7	DATA RETENTION	10
7.8	INSTALLATION	10
7.9	USER TRAINING	10
<b>8</b>	<b>CONSTRAINTS</b>	<b>10</b>
<b>9</b>	<b>PROTOTYPE</b>	<b>10</b>
<b>10</b>	<b>GLOSSARY OF TERMS</b>	<b>10</b>

# 1 Overview

The client is UK's largest wholesale supplier of hand & power tools and hardware products. Toolbox is looking for a workflow application to help them to automate their order processing. An ASP (Application Service Provider) model application is visualized helping them to manage the order processing. This will help them to cater their dealers in an effective manner by providing an online web shop cart with dealers' own domain name or within a sub domain. The application will also help dealer's customers to place orders and complete client order processing.

## 1.1 Current System

The existing system is a VB 6.0 based windows application. This application provides offline shopping functionality for registered customers and product catalog to all customers from a text file provided to the customers.

## 1.2 Limitations of the Current System

- Data Security - as the current system loads data from the plain text files, it is easy to make manipulations
- Accessibility. The current system is accessible only in the desktop environment.
- Not making use of the current technologies
- UI is old fashioned
- Payment feature doesn't exist
- Maintenance and updating of application is cumbersome

## 1.3 Proposed System

Proposed System is a RIA with Flash view layer and Net 2.0 based business layer components.

- Increased Data security with a web based SQL 2000/2005 series server
- RIA with enhanced UI
- Online Payment
- Online shopping cart
- Global accessibility
- 24x7 availability
- Easy maintenance and enhancements
- Scalability
- Reusability

# 2 Terms, Acronyms, & Abbreviations

## 2.1 Terms

- Distributor: Distributor is the top level entity of the application. They are the wholesale supplier of any product
- Dealer: Dealer is an entity under the distributor who deals with products supplied by the distributor
- Reseller: Is an un-registered Dealer who enjoys few privileges of a dealer.

- Customer: Customer is an entity under the dealer. Customer buys products from dealers
- Guest: Guest is a non-registered customer/dealer/reseller.
- Dealer price: Price offered to the dealer by the distributor
- Retail price: Price offered to the customer by a dealer
- Reseller price: Price offered to the reseller by the distributor
- Guest price: Price offered to the guest by the distributor/dealer

## 2.2 Abbreviations

- TBD = To Be Decided
- ASP = Application Service Provider
- RIA = Rich Internet Application
- UI = User interface

## 3 FUNCTIONAL REQUIREMENTS

### 3.1 System Requirements

- **Distributor**
  1. Should be able to set dealer price on a per dealer basis
  2. Should be able to set the volume discount/turnover discount on a per dealer basis.
  3. Dealer approval cycle
    - Should be able to store information of the dealers
    - Should be able to approve dealer's registration
  4. Order workflow
    - Should be able to store orders for the dealer.
    - Should be able to view the order status
    - Should be able to edit quantity and price in the order list for the dealer (order negotiation between dealer and distributor)
    - Should be able to accept payments
  5. Should be able to set the guest price and reseller price.
  6. Should be able add, edit and delete the products.
  7. Should be able to archive the data
  8. Manage dealers
  9. Manage shipping
- **Dealer**
  1. Should be able to register on the distributor's site.
  2. Should be able to use their own domain name
  3. Should be able to use online shopping cart for purchasing the products.
  4. Should be able to approve the order. (refer Distributor 4)
  5. Should be able to make online payments
  6. Should be able to enter his shipping information.
  7. Should be able to set the volume discount, turnover discount on a per customer basis
  8. Should be able to customize application look and feel
  9. Customer Approval Cycle

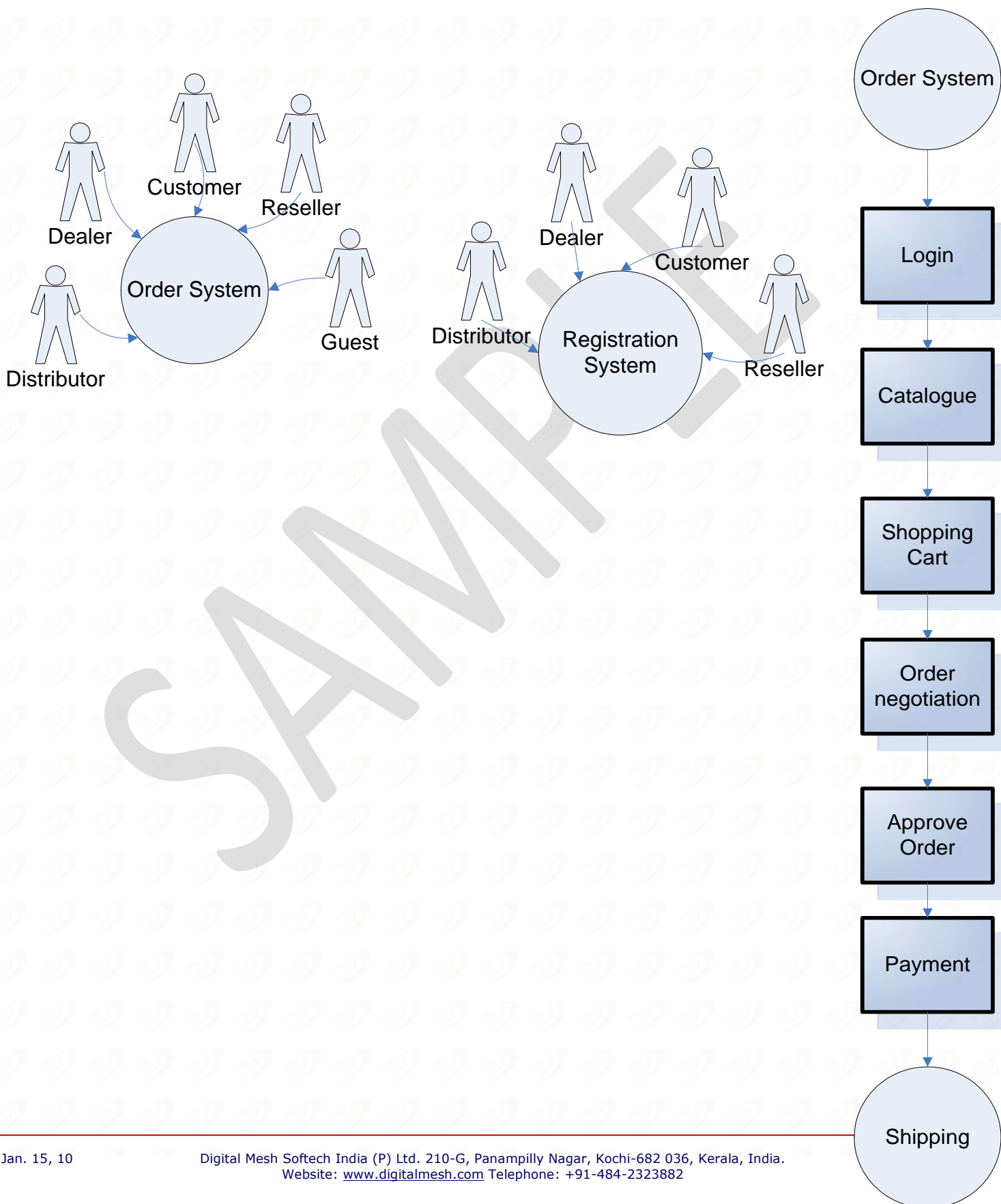
- Should be able to store the information of the customers
- Should be able to approve customer's registration
- 10. Shopping Cart: Productions can be purchase via an online shop cart.
- 11. Order System
  - Should be able to store order details.
  - Should be able to view the order status
  - Should be able to edit quantity and price in the order list for the customers (order negotiation between dealer and customer).
- **Customer**
  1. Should be able to register on the dealer's site.
  2. Should be able to use online shopping cart for purchasing the products.
  3. Should be able to accept or reject the modification done by the dealer.
  4. Should be able to make online payments
  5. Should be able to enter his shipping information.( Shafiq to decide)
  6. Should not be able to identify the distributor.
- **Reseller**
  1. Client to decide on features that will differentiate reseller from dealer
- **Registration**
  1. Should be able to add, search, list and edit client information.
- **Product**
  1. Should be able to add, search, list, edit and delete product information.
- **Newsletter**
  1. Should be able to create, edit, delete and send the newsletter
- **Catalogue on CD**
  1. DM to suggest best solutions
- **Revenue Model**
  1. Client to decide. Please describe the various "levels" of "Registrations" possible and the privileges each level will enjoy.

### 3.2 Scope and Boundary

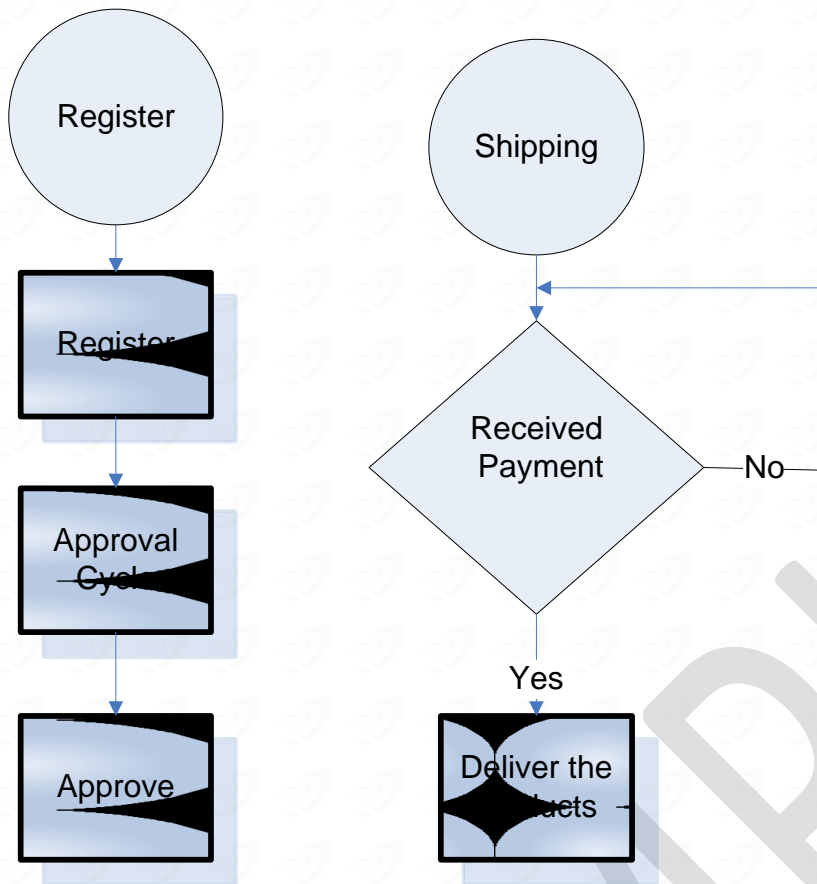
<redacted>

## 4 Business Events

## 4.1 Work Flow







## 4.2 External Events

- Delivery of the products.

## 4.3 Temporal Events

<redacted>

## 4.4 Inputs and Outputs

### 4.4.1 Inputs

- Dealer/Reseller/Customer/Guest information
- Client type
  - Dealer
  - Reseller
  - Guest



- Product Category
- Product Subcategory
- Product Manufacture
- Products information
- Order information
- Shipping information

#### **4.4.2 Outputs**

- Register confirmations  
If the email is available for the client then send the confirmation as an email.
- Order Confirmations  
If the email is available for the client then send the confirmation as an email

#### **4.5 Relationships**

<redacted>

#### **4.6 Precedence Relationships**

##### **4.6.1.1 Screens**

<redacted>

##### **4.6.1.2 Reporting**

<redacted>

## **5 OPERATION ENVIRONMENT REQUIREMENTS**

### **5.1 Hardware**

<redacted>

### **5.2 Software**

- Win 2000/ Win 2003/ Win XP/ Vista
- Flash Player9
- SQL Server 2000/2005
- IE 6.0/ above
- Firefox1.0/ above

### **5.3 Network**

<redacted>

## **5.4 Communication**

- TCP/IP, http, https

## **6 PERFORMANCE REQUIREMENTS**

<redacted>

## **7 STANDARDS REQUIREMENTS**

- Digital Mesh standards should be followed wherever applicable.
- All dates should be in dd/mm/yyyy format.

## **8 SPECIAL USER REQUIREMENTS**

<redacted>

### **8.1 Audit Trail**

### **8.2 Reliability**

### **8.3 Transaction Volume and Data Volume**

### **8.4 Backup and recovery**

### **8.5 Legal**

### **8.6 Data Migration**

### **8.7 Data Retention**

### **8.8 Installation**

### **8.9 User Training**

## **9 CONSTRAINTS**

<redacted>

## **10 PROTOTYPE**

<redacted>

## **11 GLOSSARY OF TERMS**

<redacted>