

**Functional Requirements Specification**

**ERP-Customers Phase 1**

|  |  |
| --- | --- |
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**Prepared For: DollarGeneral stores**

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# Introduction

## Overview

**ERP -Stock Accounting** is a web-based application which will manage stock inventory so easily: Dashboard, Stock Management, Purchasing, Sales, Suppliers, Customers, Outstandings, and Payments. Nice look and feel interface. It supports to be displayed in mobile-device is also in future.

Customer Feature allows admin to define a new customer, modify or delete and any customer also admin can search for customers information based on thegiven selection criteria.

## Scope

* + 1. **In Scope**

The in scope items for this document are:

1. Customer details
2. Customer Creation
3. Customer Updation
4. Customer Delete
   * 1. **Out of Scope**

The out of scope items for this document are:

1. Administrator
2. Help
3. Settings

# Line of Business Impacts

## Impacted Customers

|  |  |
| --- | --- |
| Customer Type | Impacted? |
| Retail customers | NO |
| Store Reps and sales people | YES |
| Suppliers | YES |
| Management and Ware house | YES |

## Impacted Flows

|  |  |
| --- | --- |
| Module Name | Impacted? |
| Dashboard | YES |
| Stock Items | YES |
| Suppliers | YES |
| Purchases | YES |
| Customers | YES |
| Sales | YES |

## Other Impacted Applications

|  |  |
| --- | --- |
| Application | Impacted? |
| Retail Billing Application | YES |
| Wholesale Billing Application | YES |
|  |  |

## Dependencies

An interface needs to be built between ERP and Retail Billing, wholesale Billing piece to work

# Assumptions and Risks

## Assumptions

N/A

## Risks

N/A

# Process FlowsActor Flow.png/

Enter Valid URL

System displays Login Details page

Enter Valid UserName And Password Click On Login

System displays Home page of Stock Accounting System

DashBord

System displays DashBord of Stock Accounting System

Stock Items

System displays information about Stock Items

Suppliers

System displays information about Suppliers Page

Purchases

System displays information about Purchases Page

Customers

System displays information about Customers Page

Sales

System displays Sales Page

System displays Out Standings Page

Administrator

System displays Administrator Page

System displays Help (Categories) Page

LogOut

System LogOut

OutStandings

Help(Categories)

System displays Settings Page

Settings

# Requirements

## Customers

This section will cover requirements for Suppliers.

Customer details

Customer Creation

CustomerUpdation

Customer Delete

### Mockup

See WFs.

### UI Contents – Customerdetails,Creation,Updation,Delete

| **FR # BR#(s)** | **WF page** | **Requirement** | **Rls#** |
| --- | --- | --- | --- |
| ERP-CUS DET-U010 | ERP-Customerdetails.jpg | Customer Feature allows admin to define a new customer, modify or delete and any customer also admin can search for customers information based on thegiven selection criteria.  **Customer details page : Display Of**  **Customers**   1. Export 2. Search 3. Advance Search 4. Filter   **Customers Table**   1. Check Box 2. Span 3. Sale Now 4. View 5. Edit 6. Copy 7. Sales 8. Page Size 9. Add 10. Customer Name 11. Customer Number 12. Contact Person 13. Phone Number 14. Mobile Number 15. Balance 16. Actions   Note: See WFs/Comps for prototype. | Phase1 |
| ERP-CUSDET-U020 | ERP-Customerdetails.jpg | **Customer details page : Field Format**   |  |  |  | | --- | --- | --- | | Element Name | Required | Comments | | **Customers** | |  | | Export- Button |  | System should ask for file format to export customer information. | | Search- Button |  | System should display the search option | | Advance Search- Link |  | System should display the advance search page | | Filter- Link |  | system should display the filter popup. | | Check Box |  | System should select the customer details. | | Span- Button |  | system should display the popup ,it gives the details of customer. | | Sale Now- Link |  | System should display the of sales details of customer. | | View- Button |  | System should display the details of customer details in the next page. | | Edit- Button |  | System display the Customer edit page. | | Copy- Button |  | System should display the customer details copy page. | | Sales - Link |  | System should display the sales details of customer | | Page Size- List Box |  | System should display the select option for the selecting page size of table | | Add- Button |  | System display the add button label. | | Actions- Button |  | System display the options like delete select records ,update select records. | | Customer Number-Table column |  | System display the Customer number at table head | | Customer Name-Table column |  | System display the Customer Name at table head | | Contact Person-Table column |  | System display the Contact Person at table head | | Phone Number-Table column |  | System display the Customer number at table head | | Mobile Number-Table column |  | System display the Mobile number at table head | | Balance-Table column |  | System display the Balance at table head | | Phase1 |
| ERP-CUSCRE-U030 | ERP-Customercreation.jpg | This feature allows Admin to create a new Customer for Stock Accounting.  **Customer creation Page : Display of**  **Customer Creation**   1. Customer Number 2. Customer Name 3. Address 4. City 5. Country 6. Contact Person 7. Phone Number 8. Email 9. Mobile Number 10. Notes 11. Add 12. Cancel   Note: See WFs/Comps for prototype. | Phase1 |
| ERP-CUSCRE-U040 | ERP-Customercreation.jpg | **Customer creation Page : Field Format**   |  |  |  | | --- | --- | --- | | Element Name | Required | comment | | **Purchase Creation** | |  | | Customer Number | Y | Auto generated  Ex:Customer-00000000114  Format: 0-9 Numerics  Min: 1 character  Max: 20 characters | | Customer Name | Y | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: 50 characters | | Address | Y | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: Infinity | | City | Y | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: 50 characters | | Country | Y | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: 30 characters | | Contact Person | Y | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: 50 characters | | Phone Number | Y | Format:0-9 Numerics  Min: 1 character  Max: 10 characters | | Email | Y | Format: a-z A-Z 0-9 \ ‘ - @ space  Min: 1 character  Max: 50 characters | | Mobile Number | Y | Format:0-9 Numerics  Min: 1 character  Max: 10 characters | | Notes | Y | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: 50 characters | | Add | Y | Should be able to create customer | | Cancel | Y | Should not be able to create  Customer | | Phase1 |
| ERP-CUSUPD-U050 | ERP-Customerupdation.jpg | This feature allows Admin to modify the details of Customers.  **Customer Updation Page : Display of**  **CustomerUpdation**   1. Customer ID 2. Customer Number 3. Customer Name 4. Address 5. City 6. Country 7. Contact Person 8. Phone Number 9. Email 10. Mobile Number 11. Notes 12. Balance 13. Save 14. Cancel   Note: See WFs/Comps for prototype. | Phase1 |
| ERP-CUSUPD-U060 | ERP-Customerupdation.jpg | **Customer UpdationPage : Field Format**   |  |  |  | | --- | --- | --- | | Element Name | Required | comment | | **Customer Updation** | |  | | Customer Number | Y | Auto generated  Ex:Customer-00000000114  Format: 0-9 Numerics  Min: 1 character  Max: 20 characters | | Customer Name | Y | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: 50 characters | | Address | Y | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: Infinity | | City | Y | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: 50 characters | | Country | Y | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: 30 characters | | Contact Person | Y | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: 50 characters | | Phone Number | Y | Format:0-9 Numerics  Min: 1 character  Max: 10 characters | | Email | Y | Format: a-z A-Z 0-9 \ ‘ - @ space  Min: 1 character  Max: 50 characters | | Mobile Number | Y | Format:0-9 Numerics  Min: 1 character  Max: 10 characters | | Notes | Y | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: 50 characters | | Balance | Y | Auto populate  Format:0-9 Numerics  Min: 1 character  Max: 10 characters | | Save | Y | Able to save the customer | | Cancel | Y | Should not be able to save the  customer | | Phase1 |
| ERP-CUSDEL-U070 | ERP-Customerdeletion.jpg | This feature is useful for Admin to delete an unwanted Customers  Customers **Delete Page : Display of**  1.OK  2.Cancel  **Notes**Note: See WFs/Comps for prototype. | Phase1 |
| ERP-CUSDEL-U080 | ERP-Customerdeletion.jpg | This feature is useful for Admin to delete an unwanted Customers  Customers **Delete Page: Field Format**   |  |  |  | | --- | --- | --- | | Element Name | Required | Comment | | 1.OK-Button | Y | Able to delete the selected  Customer | | 2.Cancel-Button | Y | Able to cancel the deletion |   **Notes**Note: See WFs/Comps for prototype. | Phase1 |

### Functional Requirements – Customerdetails,Creation,Updation,Delete

| **FR # BR#(s)** | **WF page** | **Requirement** | **Rls#** |
| --- | --- | --- | --- |
| ERP-CUSCRE-F010 | ERP-Customercreation.jpg | **CustomerCreation: Functionality**   * If the User fills all the mandatory fields in the ‘**CustomerCreation**’ Page and click “ Add”. Users successfully create the new **Customer** | Phase 1 |
| ERP-CUSUPD-F020 | ERP-Customerupdation.jpg | **CustomerUpdation: Functionality**  Users should be able to successfully edit and save the existing **Customer** | Phase 1 |
| ERP-CUSDEL-F030 | ERP-Customerdeletion.jpg | **Customer Delete: Functionality**   * Users should be able to successfully delete the existing **Customer** | Phase 1 |

### **System Analysis Requirements –**Customerdetails,Creation,Updation,Delete

| **FR # BR#(s)** | **WF page** | **Requirement** | **Rls#** |
| --- | --- | --- | --- |
| ERP-SAR-F010 |  | N/A – No New Requirements |  |

### Messaging Requirements – Customerdetails,Creation,Updation,Delete

| **FR # BR#(s)** | **WF page** | **Requirement** | **Rls#** |
| --- | --- | --- | --- |
| ERP-HOM-F010 |  | N/A – No New Requirements |  |

### Reporting Requirements – Customerdetails,Creation,Updation,Delete

Disclaimer: This section provides just the business level requirements for this project. The detailed Reporting System Requirements will be provided by the Reporting Team.

| **FR # BR#(s)** | **WF page** | **Requirement** | **Rls#** |
| --- | --- | --- | --- |
| ERP-HOM-F010 |  | N/A – No New Requirements |  |

### Standard Requirements – Customerdetails,Creation,Updation,Delete

| **FR# *BR#(s)*** | **WF page** | **Requirement type** | **Applies? (Yes/No)** | **Requirement description or cross reference** | **Rls#** |
| --- | --- | --- | --- | --- | --- |
| ERP-STA-T010 |  | Browser Back button requirements | YES | BAU (Business As Usual) |  |

## Feature Interactions

N/A

## Manageability requirements

| **FR # BR#(s)** | **WF page** | **Requirement** | **Rls#** |
| --- | --- | --- | --- |
| EDO-PH2-MA010 |  | N/A |  |

# Other System Requirements

## Shared Services requirements

| **FR # BR#(s)** | **WF page** | **Requirement** | **Rls#** |
| --- | --- | --- | --- |
| ERP-SS-E010 |  | N/A |  |

## Catalog requirements

| **Req #** | **WF page** | **Requirement** | **Rls#** |
| --- | --- | --- | --- |
| ERP-CAT-E010 |  | N/A |  |

## Order Gateway requirements

| **Req #** | **WF page** | **Requirement** | **Rls#** |
| --- | --- | --- | --- |
| ERP-OG-E010 |  | N/A |  |

## Online Account Management requirements

| **Req #** | **WF page** | **Requirement** | **Rls#** |
| --- | --- | --- | --- |
| EDO-OLAM-E010 |  | N/A |  |

# Use Case Specifications

N/A

# Performance and Scalability Considerations

| **FR #** | **Requirement** | **Release#** |
| --- | --- | --- |
| DOC-PS-P010 | N/A |  |

# Testing Considerations

At a minimum, the following test scenarios should be considered for validating the new functionality.

|  |  |  |
| --- | --- | --- |
| **Test Case #** | **Description** | **Data Requirement** |
|  |  |  |
|  |  |  |

# Development Considerations

Note: These are generic cross-project dev considerations that may or may not apply to individual projects.

|  |  |
| --- | --- |
| **#** | **Consideration** |
| 1 | Handle null values/result set from the back-end gracefully |
| 2 | Execute Fortify scans for security issues |
| 3 | Fine tune all the database queries (run Explain Plan, make sure proper indexing is done, analyze the tables etc).  [Collaborate with the ADBAs from env team] |
| 4 | Provide profiling metrics (memory footprint – amount of memory each object occupies, are these Garbage Collected etc) as part of Unit testing results |
| 5 | Handle Cross Site Scripting vulnerabilities |
| 6 | Turn the Auto Complete OFF for all the Form fields |
| 7 | Ensure View source in the browser does not reveal any sensitive information (Password, SSN etc) |
| 8 | Follow the Search Engine Optimization Rules while creating different pages |
| 9 | Ensure the web pages displayed are Screen Reader Compatible |

# Issue list

| **#** | **Date** | **Status** | **Owner** | **Issue** |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |

# Related Documents

|  |  |  |  |
| --- | --- | --- | --- |
| **Document Name** | **Description** | **Contact Name/Number** | **URL (if applicable)** |
|  |  |  |  |

# Terminology

ComprehensiveeCommGlossary: <http://ecom.cingular.net/confluence/pages/viewpageattachments.action?pageId=33195979&metadataLink=true>

|  |  |  |
| --- | --- | --- |
| **Term** | **Acronym** | **Definition** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

1. **Revision History**

| **Author** | **Date** | **Version #** | **Revision Description** |
| --- | --- | --- | --- |
| David |  | 0.1 | Initial Draft |
| David |  | 1.0 | Added requirements for stock item creation, stock item updation, stock item copy, stock item deletion |
|  |  |  |  |

# Approvals

The SRS Approvals document captures the software requirements and high level Design for this initiative. It serves as an agreement between the different teams on what will be implemented to satisfy a particular business need as speci The SRS document captures the software requirements and high level Design for this initiative. It serves as an agreement between the different teams on what will be implemented to satisfy a particular business need as specified in the requirements. This document serves a basis for estimating the Level of Effort (LOE). Further technical information for this initiative will be captured in the Detailed Design document (or the Detailed Technical Specification) and other technical documentations (e.g. Data Dictionary, ERDs, API documents, etc.) provided by the Development organization. Technical changes discovered during detail design will not be incorporated back into this document as long as Business Requirements are not affected.

**Dollar GenaralMarket Approvers:**

To approve this document/artifact, each approver must send an email to the author of the version they are approving. The body of the email must reference the Project name, artifact name, and version; and must include the phrase “I unconditionally approve this document on mm/dd/yyyy.” Conditional approvals are not acceptable. The author must either insert the approval email(s) into this document or store them electronically in the same directory as this document/artifact.

**Vendor/Development Approvers:**

Your signature indicates that you have reviewed the general design for this enhancement or new development and find that its content is complete and accurate. By signing, you agree that this document contains sufficient information to calculate an estimate. If clarification of content is required after your approval, the Vendor must follow the AT&T process for Requirements Clarification.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Approver Name** | **Approver Role** | **Approval Date** | **Email Attachment** |
| 1.0 |  | Solution Architect |  |  |
| 1.0 |  | Application Architect |  |  |
| 1.0 |  | Development Manager |  |  |
| 1.0 |  | Test Manager |  |  |
| 1.0 |  | Security Architect |  |  |
| 1.0 |  | Development Database Administrator |  |  |

# Requirements Traceability Index

## BRs not covered

*This section lists all BR not covered in this document, and an explanation of why. It is relevant to include the affected releases since some BRs may be excluded in one release and included l.ater. If later included, cite the release number in the original entry above, and mark it as* **now included.** WF page may be applicable.

*These entries are to have reqs numbers as any other requirement, with BR number below them, so that they can be included in the Requirements Traceability Index.*

| **Req *BR#*** | **WF page** | **Description of why the BR is not covered** | **Rls#** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

## System Requirements to BR Traceability