

**Functional Requirements Specification**

**ERP-Sales Phase 1**

|  |  |
| --- | --- |
| **Document Version:** | **1.0** |
| **Date Modified:** | **Mar 19, 2018** |
| **Author:** | **Steve** |
| **Modified By:** | **Steve** |

**Prepared For: DollarGeneral stores**

**TABLE OF CONTENTS**

[1 Introduction 3](#_Toc460873804)

[1.1 Overview 3](#_Toc460873805)

[1.2 Scope 3](#_Toc460873806)

[1.3 Deviations from BRD 3](#_Toc460873807)

[1.4 Deviations from ACF 3](#_Toc460873808)

[2 Line of Business Impacts 4](#_Toc460873809)

[2.1 Impacted Customers 4](#_Toc460873810)

[2.2 Impacted Flows 4](#_Toc460873811)

[2.3 Other Impacted Applications 4](#_Toc460873812)

[2.4 Dependencies 4](#_Toc460873813)

[3 Assumptions and Risks 5](#_Toc460873814)

[3.1 Assumptions 5](#_Toc460873815)

[3.2 Risks 5](#_Toc460873816)

[4 Process Flows/ 5](#_Toc460873817)

[5 Requirements 7](#_Toc460873818)

[5.1 Sales 7](#_Toc460873819)

[5.1.1 Mockup 7](#_Toc460873820)

[5.1.2 UI Contents – Sales details,Creation,Updation,Delete 7](#_Toc460873821)

[5.1.3 Functional Requirements – Sales details,Creation,Updation,Delete 12](#_Toc460873822)

[5.1.4 System Analysis Requirements – Sales details,Creation,Updation,Delete 13](#_Toc460873823)

[5.1.5 Messaging Requirements – Sales details,Creation,Updation,Delete 13](#_Toc460873824)

[5.1.6 Reporting Requirements – Sales details,Creation,Updation,Delete 13](#_Toc460873825)

[5.1.7 Standard Requirements – Sales details,Creation,Updation,Delete 14](#_Toc460873826)

[5.2 Feature Interactions 14](#_Toc460873827)

[5.3 Manageability requirements 14](#_Toc460873828)

[6 Other System Requirements 14](#_Toc460873829)

[6.1 Shared Services requirements 14](#_Toc460873830)

[6.2 Catalog requirements 14](#_Toc460873831)

[6.3 Order Gateway requirements 15](#_Toc460873832)

[6.4 Online Account Management requirements 15](#_Toc460873833)

[7 Use Case Specifications 15](#_Toc460873834)

[8 Performance and Scalability Considerations 15](#_Toc460873835)

[9 Testing Considerations 15](#_Toc460873836)

[10 Development Considerations 15](#_Toc460873837)

[11 Issue list 16](#_Toc460873838)

[12 Related Documents 16](#_Toc460873839)

[13 Terminology 16](#_Toc460873840)

[14 Revision History 16](#_Toc460873841)

[15 Approvals 17](#_Toc460873842)

[16 Requirements Traceability Index 17](#_Toc460873843)

[16.1 BRs not covered 17](#_Toc460873844)

[16.2 ACF items not covered 18](#_Toc460873845)

[16.3 System Requirements to BR Traceability 18](#_Toc460873846)

# 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.

Sales Feature allows admin to define a new sale, modify or delete and any sales also admin can search for sales information based on the given selection criteria.

## Scope

* + 1. **In Scope**

The in scope items for this document are:

1. Sales details
2. Sales Creation
3. SalesUpdation
4. Sales 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

## Sales

This section will cover requirements for Sales.

Sales details

Sales Creation

SalesUpdation

SalesDelete

### Mockup

See WFs.

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

| **FR # BR#(s)** | **WF page** | **Requirement** | **Rls#** |
| --- | --- | --- | --- |
| ERP-SALDET-U010 | ERP-Salesdetails.jpg | Sales Feature allows admin to define a new sale, modify or delete and any sales also admin can search for sales information based on thegiven selection criteria.  **Sales details page : Display Of**  **Sales**   * + - 1. Export       2. Search       3. Advance Search       4. Filters   **Sales Table**   * + - 1. Check Box       2. Span       3. View       4. Pay Now       5. Edit       6. Sales Details       7. Add Sales/Sales Details       8. Page Size       9. Delete   Note: See WFs/Comps for prototype. | Phase1 |
| ERP-SALDET-U020 | ERP-Salesdetails.jpg | **Sales details page : Field Format**   |  |  |  | | --- | --- | --- | | Element Name | Required | Comment | | **Sales** | |  | | Export- Button |  | System should Ask for file format to export Sales into local system | | Search- Button |  | system should display option for search sales | | Advance Search­-Link |  | system should display advance option for search sales | | Filters-Link |  | system should display the filtering option for sales | | Check Box- Button |  | System should select Sales Record | | Span- Button |  | System should Expand sales Record info | | View- Button |  | System should Display the Selected Sales Information | | Pay Now-Link |  | System should navigate to the Payment option | | Edit- Button |  | System should navigate to the Salesupdation page | | Sales Details-Link |  | System should display the Sales Details | | Add Sales/Sales Details -Link |  | System should navigate to the Sales Creation page | | Page Size- List Box |  | System should give the option to select page size | | Delete- Button |  | System should give the option to delete Sales | | Phase1 |
| ERP-SALCRE-U030 | ERP-Salescreation.jsp | This feature allows Admin to create a new sale for Stock Accounting.  **Sales creation Page : Display of**  **Sales Creation**   1. Sales Number 2. Sales Date 3. Customer Id 4. Notes 5. Total Amount 6. Discount Type 7. Discount(Percentage/Amount) 8. Tax Percentage 9. Tax Description 10. Final Total Amount 11. Total Payment 12. Total Balance   **Sales Details Table**   1. Supplier Number 2. Stock Item 3. Sales Quantity 4. Purchasing Price 5. Sales Price 6. Total Amount 7. Add 8. Cancel 9. Delete 10. Add Blank Row   Note: See WFs/Comps for prototype. | Phase1 |
| ERP-SALCRE-U040 | ERP-Salescreation.jsp | **Sales creation Page : Field Format**   |  |  |  | | --- | --- | --- | | Element Name | Required | Comment | | **Sales Creation** | |  | | Sales Number- Text Box | Y | Auto generated  Ex:Customer-00000000114  Format: 0-9 Numerics  Min: 1 character  Max: 20 characters | | Sales Date- Text Box | Y | Auto generated  Ex:03-09-2016 18:17:57  Format: 0-9 Numerics  Min: 1 character  Max: 18 characters | | Customer Id- List Box | Y | Customers ID should be auto populated in the drop down | | Notes- Text Box | N | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: 50 characters | | Total Amount- Text Box | Y | Auto generated by the supplires | | Discount Type- Radio Button | Y | Should have  1.Discount percentage  2.Discount amount | | Discount(Percentage/Amount) - Text Box | Y | Format: 0-9 Numerics  Min: 1 character  Max: 10 characters | | Tax Percentage- Text Box | Y | Format: 0-9 Numerics  Min: 1 character  Max: 10 characters | | Tax Description- Text Box | Y | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: 50 characters | | Final Total Amount- Text Box | Y | Format: 0-9 Numerics  Min: 1 character  Max: 10 characters | | Total Payment- Text Box | Y | Format: 0-9 Numerics  Min: 1 character  Max: 10 characters | | Total Balance- Text Box | Y | Format: 0-9 Numerics  Min: 1 character  Max: 10 characters | | Supplier Number- List Box | Y | Suppliers numbers should be auto populated in the drop down | | Stock Item- List Box | Y | TBD | | Sales Quantity- Text Box | Y | TBD | | Purchasing Price- Text Box | Y | **TBD** | | Sales Price- Text Box | Y | TBD | | Total Amount- Text Box | Y | TBD | | Add- Button | Y | Should be able to create sales | | Cancel- Button | Y | Should be able to cancel the sale | | Delete­ -Button | Y | TBD | | Add Blank Row -Button | Y | Should be able to add a blank row | | Phase1 |
| ERP-SALUPD-U050 | ERP-Salesupdation.jsp | This feature allows Admin to modify the details of sales.  **SalesUpdation Page : Display of**  **Sales Updation**   1. Sales Number 2. Sales Date 3. Customer Id 4. Notes 5. Total Amount 6. Discount Type 7. Discount(Percentage/Amount) 8. Tax Percentage 9. Tax Amount 10. Tax Description 11. Final Total Amount 12. Total Payment 13. Total Balance 14. Save 15. Cancel   Note: See WFs/Comps for prototype. | Phase1 |
| ERP-SALUPD-U060 | ERP-Salesupdation.jsp | **SalesupdationPage: Field Format**   |  |  |  | | --- | --- | --- | | Element Name | Required | Comment | | **Sales Creation** | |  | | Sales Number- Text Box | Y | Auto generated  Ex:Customer-00000000114  Format: 0-9 Numerics  Min: 1 character  Max: 20 characters | | Sales Date- Text Box | Y | Auto generated  Ex:03-09-2016 18:17:57  Format: 0-9 Numerics  Min: 1 character  Max: 18 characters | | Customer Id- List Box | Y | Customers ID should be auto populated in the drop down | | Notes- Text Box | N | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: 50 characters | | Total Amount- Text Box | Y | Auto generated by the supplires | | Discount Type- Radio Button | Y | Should have  1.Discount percentage  2.Discount amount | | Discount(Percentage/Amount) - Text Box | Y | Format: 0-9 Numerics  Min: 1 character  Max: 10 characters | | Tax Percentage- Text Box | Y | Format: 0-9 Numerics  Min: 1 character  Max: 10 characters | | Tax Description- Text Box | Y | Format: a-z A-Z 0-9 \ ‘ - space  Min: 1 character  Max: 50 characters | | Final Total Amount- Text Box | Y | Format: 0-9 Numerics  Min: 1 character  Max: 10 characters | | Total Payment- Text Box | Y | Format: 0-9 Numerics  Min: 1 character  Max: 10 characters | | Total Balance- Text Box | Y | Format: 0-9 Numerics  Min: 1 character  Max: 10 characters | | Save- Button | Y | Should be able to update sales | | Cancel- Button | Y | Should be able to cancel the sale | | Phase1 |
| ERP-SALDEL-U070 | ERP\_Sales Deletion.jpg | This feature is useful for Admin to delete an unwanted Purchases  **Sales Delete Page : Display of**   1. Conform 2. Ok 3. Cancel   **Notes**Note: See WFs/Comps for prototype. | Phase1 |
| ERP-SALDEL-U080 | ERP\_Sales Deletion.jpg | This feature is useful for Admin to delete an unwanted Purchases  **Sales Delete Page: Field Format**   |  |  |  | | --- | --- | --- | | Element Name | Required | Comment | | **Stock Item Deletion** | |  | | Confirm | Y | Displays Conformation | | Ok-Button | Y | Should delete Sales | | Cancel-Button | y | Should Cancel Deletion |   **Notes**Note: See WFs/Comps for prototype. |  |

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

| **FR # BR#(s)** | **WF page** | **Requirement** | **Rls#** |
| --- | --- | --- | --- |
| ERP-SALCRE-F010 | ERP-Salescreation.jsp | **SalesCreation: Functionality**   * If the User fills all the mandatory fields in the ‘**SalesCreation**’ Page and click “ Add”. Users successfully create the new **Sales** | Phase 2 |
| ERP-SALUPD-F020 | ERP-Salesupdation.jsp | **SalesUpdation: Functionality**  Users should be able to successfully edit and save the existing **Sales** | Phase 2 |
| ERP-SALDEL-F030 | ERP\_Sales Deletion.jpg | **Sales Delete: Functionality**   * Users should be able to successfully delete the existing **Sales** | Phase 2 |

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

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

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

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

### Reporting Requirements – Salesdetails,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 – Salesdetails,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 SRSApprovals 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.

**AT&T 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