

**Functional Requirements Specification**

**ERP-Purchases Phase 1**

|  |  |
| --- | --- |
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| **Author:** | **Kurt** |
| **Modified By:** | **Kurt** |

**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.

Purchaser Feature allows admin to define a new purchaser, modify or delete and any purchaser also admin can search for purchasersinformation based on the given selection criteria.

## Scope

* + 1. **In Scope**

The in scope items for this document are:

1. Purchaser details
2. Purchaser Creation
3. Purchaser Updation
4. Purchaser 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

## Purchases

This section will cover requirements for Suppliers.

Purchaser details

Purchaser Creation

Purchaser Updation

Purchaser Delete

### Mockup

See WFs.

### UI Contents – Purchaser details,Creation,Updation,Delete

| **FR # BR#(s)** | **WF page** | **Requirement** | **Rls#** |
| --- | --- | --- | --- |
| ERP-PUR DET-U010 | ERP-Purchasedetails.jpg | Purchaser Feature allows admin to define a new purchaser, modify or delete and any purchaser also admin can search for purchasers information based on the given selection criteria.  **Purchase details page : Display Of**  **Purchase**   1. Export 2. Search 3. Advance Search 4. Filter 5. Purchase Table 6. Check Box 7. Span 8. View 9. Pay Now 10. Edit 11. Purchase Number 12. PurchaseDate 13. Supplier Name 14. Total amount 15. Total Payment 16. Total Balance   **Purchases Details**   1. Add 2. Page Size 3. Delete 4. Add Pruchses /Purchase Details   Note: See WFs/Comps for prototype. | Phase1 |
| ERP-PURDET-U020 | ERP-Purchasedetails.jpg | **Purchase details page : Field Format**   |  |  |  | | --- | --- | --- | | Element Name | Required | comments | | **Purchase** | |  | | Export-­ Button | Y | System should ask for file format to export purchase information. | | Search- Button | Y | System should display the search option | | Advance Search­-Link | Y | System should display the advance search page | | Filter-Link | N | system display the filter popup. | | Check Box- Button | Y | System should select the purchase details. | | Span- Button | Y | system should display the popup,it gives the details of purchase | | View- Button | Y | System should display the details of purchase in the next page. | | Pay Now-Link | Y | System should display the purchase page | | Edit- Button | Y | System display the purchase edit page. | | Purchases Details-Link | Y | System should display the purchase details popup. | | Add- Button | Y | System display the add button label. | | Page Size- List Box | Y | System should display the select option for the selecting page size of table | | Delete- Button | Y | System should display the delete button label. | | Add Purchase/Purchase Details-Link | Y | System should display the Add purchase/purchase details label | | Purchase Number-Table column | Y | System display the purchase number at table head | | Purchase date -Table column | Y | System display the purchase date at table head | | Supplier Name-Table column | Y | System display the Supplier name at table head | | Total Amount-Table column | Y | System display the Total Amount at table head | | Total Payment-Table column | Y | System display the Total Payment at table head | | Total Balance-Table column | Y | System display the Total Balance at table head | | Phase1 |
| ERP-PURCRE-U030 | ERP-Purchasecreation.jpg | This feature allows Admin to create a new purchaser for Stock Accounting.  **Purchaser creation Page : Display of**  **Purchase Creation**   1. Purchase Number 2. Purchase Date 3. Supplier Id 4. Notes 5. Total Amount 6. Total Payment 7. Total Balance 8. Add 9. Cancel   Note: See WFs/Comps for prototype. | Phase1 |
| ERP-PURCRE-U040 | ERP-Purchasecreation.jpg | **Purchaser creation Page : Field Format**   |  |  |  | | --- | --- | --- | | Element Name | Required | comment | | **Purchase Creation** | |  | | Purchase Number | Y | Auto generated  Ex:Purchase-00000000278  Format: 0-9 Numerics  Min: 1 character  Max: 20 characters | | Purchase Date | Y | Auto generated  Ex:03-09-2016 17:48:54  Format: 0-9 Numerics  Min: 1 character  Max: 18 characters | | Supplier Id | Y | Dropdown, should populate already  Created supplierid’s | | Notes | N | Format: a-z A-Z 0-9 \ ‘ - space  Min: 0 character  Max: 50 characters | | Total Amount | Y | Format: 0-9 Numerics  Min: 1 character  Max: 17 characters | | Total Payment | Y | Format: 0-9 Numerics  Min: 1 character  Max: 17 characters | | Total Balance | Y | Autogenerated | | Add | Y | Able to create new purchase | | Cancel | Y | Should not be able to create the purchase | | Phase1 |
| ERP-PURUPD-U050 | ERP-Purchaseupdation.jpg | This feature allows Admin to modify the details of Purchasers..  **Purchaser Updation Page : Display of**  **Purchase Updation**   1. Purchase ID 2. Purchase Number 3. Purchase Date 4. Supplier Id 5. Notes 6. Total Amount 7. Total Payment 8. Total Balance 9. Save 10. Cancel   Note: See WFs/Comps for prototype. | Phase1 |
| ERP-PURUPD-U060 | ERP-Purchaseupdation.jpg | **Purchaser creation Page : Field Format**   |  |  |  | | --- | --- | --- | | Element Name | Required | comment | | **Purchase Creation** | |  | | Purchase ID | Y | Auto generated | | Purchase Number | Y | Auto generated  Ex:Purchase-00000000278  Format: 0-9 Numerics  Min: 1 character  Max: 20 characters | | Purchase Date | Y | Auto generated  Ex:03-09-2016 17:48:54  Format: 0-9 Numerics  Min: 1 character  Max: 18 characters | | Supplier Id | Y | **Dropdown, should populate already**  **Created supplierid’s** | | Notes | N | Format: a-z A-Z 0-9 \ ‘ - space  Min: 0 character  Max: 50 characters | | Total Amount | Y | Format: 0-9 Numerics  Min: 1 character  Max: 17 characters | | Total Payment | Y | Format: 0-9 Numerics  Min: 1 character  Max: 17 characters | | Total Balance | Y | Autogenerated | | Save | Y | Able to create new purchase | | Cancel | Y | Should not be able to create the purchase | | Phase1 |
| ERP-PURDEL-U070 | ERP-Purchasedeletion.jpg | This feature is useful for Admin to delete an unwanted Purchases  **Purchaser Delete Page : Display of**  1.Ok  2.Cancel  **Notes**Note: See WFs/Comps for prototype. | Phase1 |
| ERP-PURDEL-U080 | ERP-Purchasedeletion.jpg | This feature is useful for Admin to delete an unwanted Purchases  **Purchaser Delete Page: Field Format**   |  |  |  | | --- | --- | --- | | Element Name | Required | comment | | 1.OK | Y | Able delete the purchage details | | 2.Cancel | Y | Able to cancel the deletion of purchase |   **Notes**Note: See WFs/Comps for prototype. | Phase1 |

### Functional Requirements – Purchaser details,Creation,Updation,Delete

| **FR # BR#(s)** | **WF page** | **Requirement** | **Rls#** |
| --- | --- | --- | --- |
| ERP-PURCRE-F010 | ERP-Purchasecreation.jpg | **PurchaserCreation: Functionality**   * If the User fills all the mandatory fields in the ‘**PurchaserCreation**’ Page and click “ Add”. Users successfully create the new **Purchaser** | Phase 1 |
| ERP-PURUPD-F020 | ERP-Purchaseupdation.jpg | **PurchaserUpdation: Functionality**   * Users should be able to successfully edit and save the existing **Purchases** | Phase 1 |
| ERP-PURCOP-F030 | ERP-Purchasedeletion.jpg | **Purchaser Delete: Functionality**   * Users should be able to successfully delete the existing **Purchases** | Phase 1 |

### **System Analysis Requirements –**Purchaser details,Creation,Updation,Delete

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

### Messaging Requirements – Purchaser details,Creation,Updation,Delete

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

### Reporting Requirements – Purchaser details,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 – Purchaser details,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