

Business Requirements Specifications (SRS)

ERP Solution for Lakhsma

REFERENCE: GW/ERP/BRS

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Document Release History

Sl. No.	Version Number	Release Date	Prepared By	Reviewed By	Approved By	Reasons for New Release
1	1.0	14th Sep, 2015	Nazifa Chowdhury		N/A	

1.0 Introduction

1.1 Purpose of BRS

The purposes of this BRS are to clearly identify the customer's business requirements and provide a detailed document. The customer will review the document and approve/make change if required. It will also help the review team to be able to validate whether the business requirements have been fulfilled or not.

The BRS will also help the Analyst and Designer to understand and track the requirements for the proposed system. It will also identify a set of requirements for the development of the project. The BRS helps to describe the behavior of the system to be developed.

Proposed Modules:

In this document we are considering three modules of three major departments of Lakhsma Sweater. The modules are:

1. Merchandising
2. Procurement
3. Inventory

2.0 Merchandising

2.1 Overview

Merchandising is the heart of the Garments industries. Though the overall process of merchandising involves any sort of direct and indirect activities which is associated with any certain order given by buyer from inquiry to shipment but core activities are Quotation management, Sampling management, Consumption and Bill of Materials generation.

2.2 Merchandising Process Flow

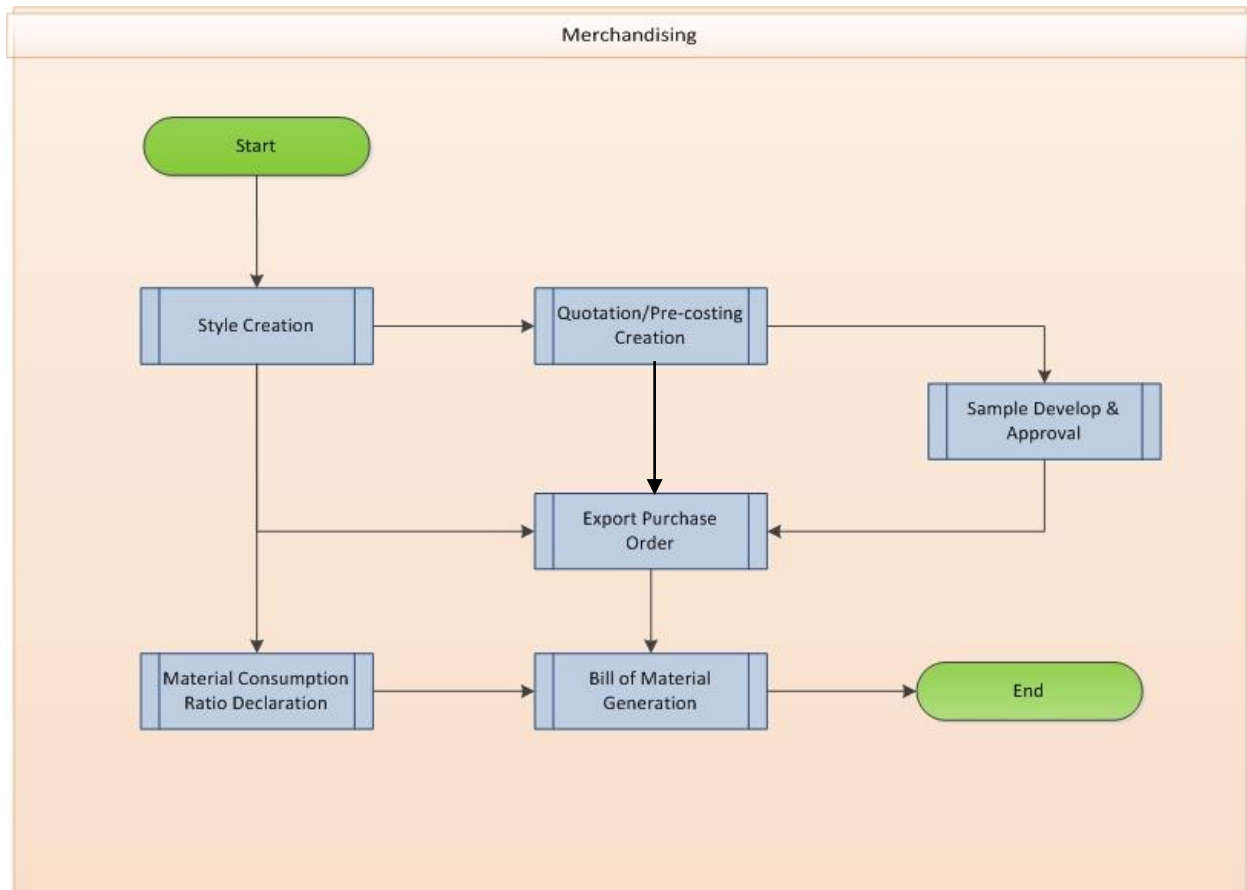


Fig: Merchandising Process Flow

2.3 Merchandising use case diagrams and description

2.3.1 Quotation Process:

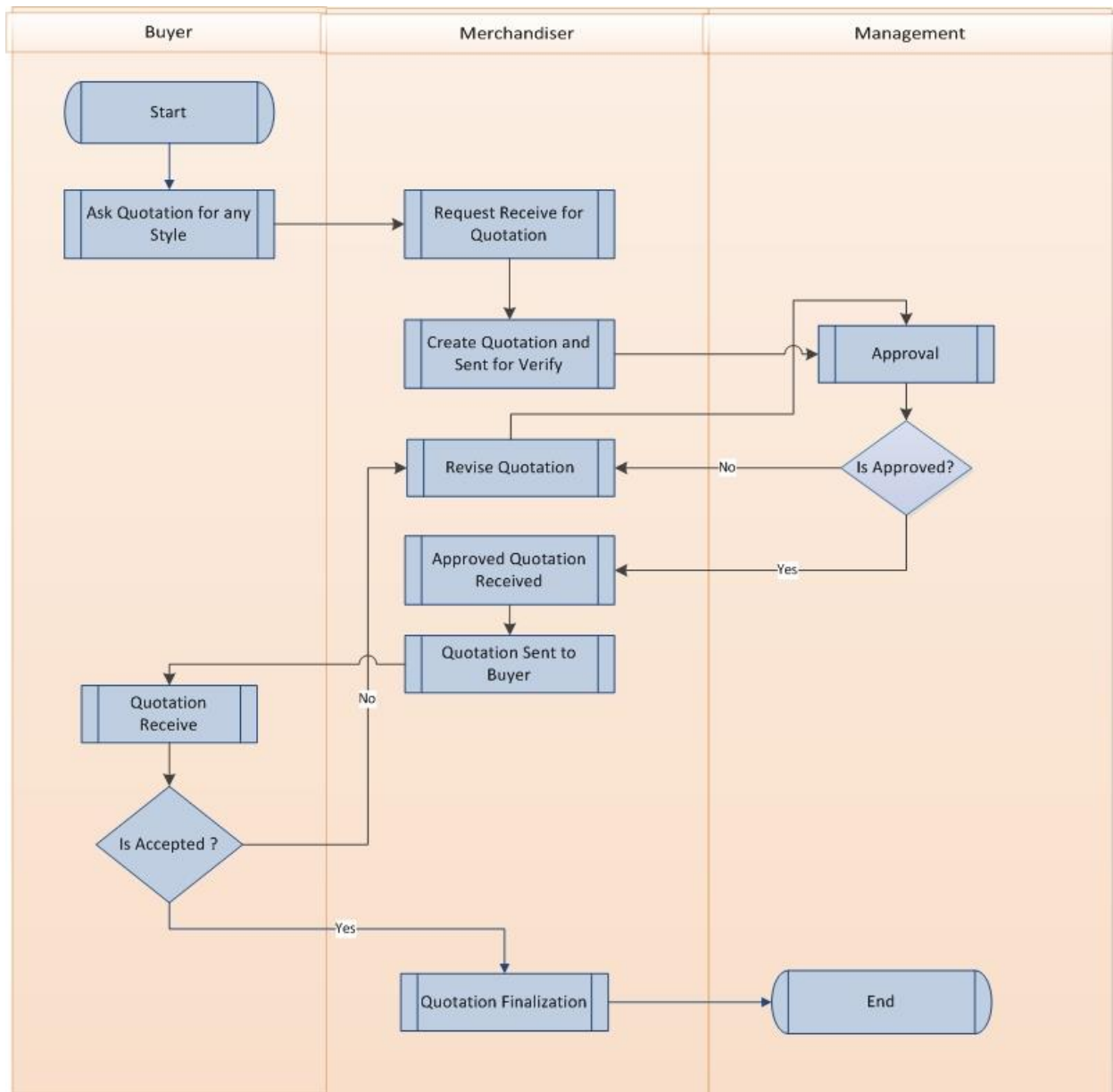


Fig: Pre-Quotation

Use Case ID: UCD/Mer/001	
Use Case Name: Quotation Process	
Created By: GenWeb2 Ltd.	Date Created: 10 September 2015
Actors:	<ul style="list-style-type: none"> • Merchandiser, Buyer, Management
Trigger:	<ul style="list-style-type: none"> • When buyer wants to know the costing of any certain style
Business Rule	<ul style="list-style-type: none"> • Pre cost calculation and finalization
Description:	<ol style="list-style-type: none"> Buyer ask the quotation for any specific Style Respective Merchandiser goes for every single elements to calculate the costing along with CM and Profit margin Prepare quotation Merchandiser takes approval from management on the prepared quotation If the quotation is approved then merchandiser submit the quotation to Buyer else he revises the quotation and resubmits for approval Negotiation may take place with buyer Based on negotiation between merchandiser and buyer, merchandiser can submit quotation multiple times. In one stage of negotiation both party finalize the quotation
Frequency of Use	<ul style="list-style-type: none"> • High
Preconditions	<ul style="list-style-type: none"> • Defining Style • Tech pack details
Post conditions	<ul style="list-style-type: none"> • Order confirmation, booking or cancellation by the buyer
Assumption	<ul style="list-style-type: none"> • Already in practice
Goal	<ul style="list-style-type: none"> • Enter new quotation in system to make it easy and integrated to the entire system, where it can be followed by the upcoming steps and eventually it can show a comparison report of the pre costing and the actual costing
Normal Flow	<ul style="list-style-type: none"> • Merchandiser creates the quotation, pre costing and does the negotiation
Alternate Flow	<ul style="list-style-type: none"> • N/A
Exception	<ul style="list-style-type: none"> • N/A
Cross Reference	<ul style="list-style-type: none"> • N/A

2.3.2 Sample Requisition and submission Process

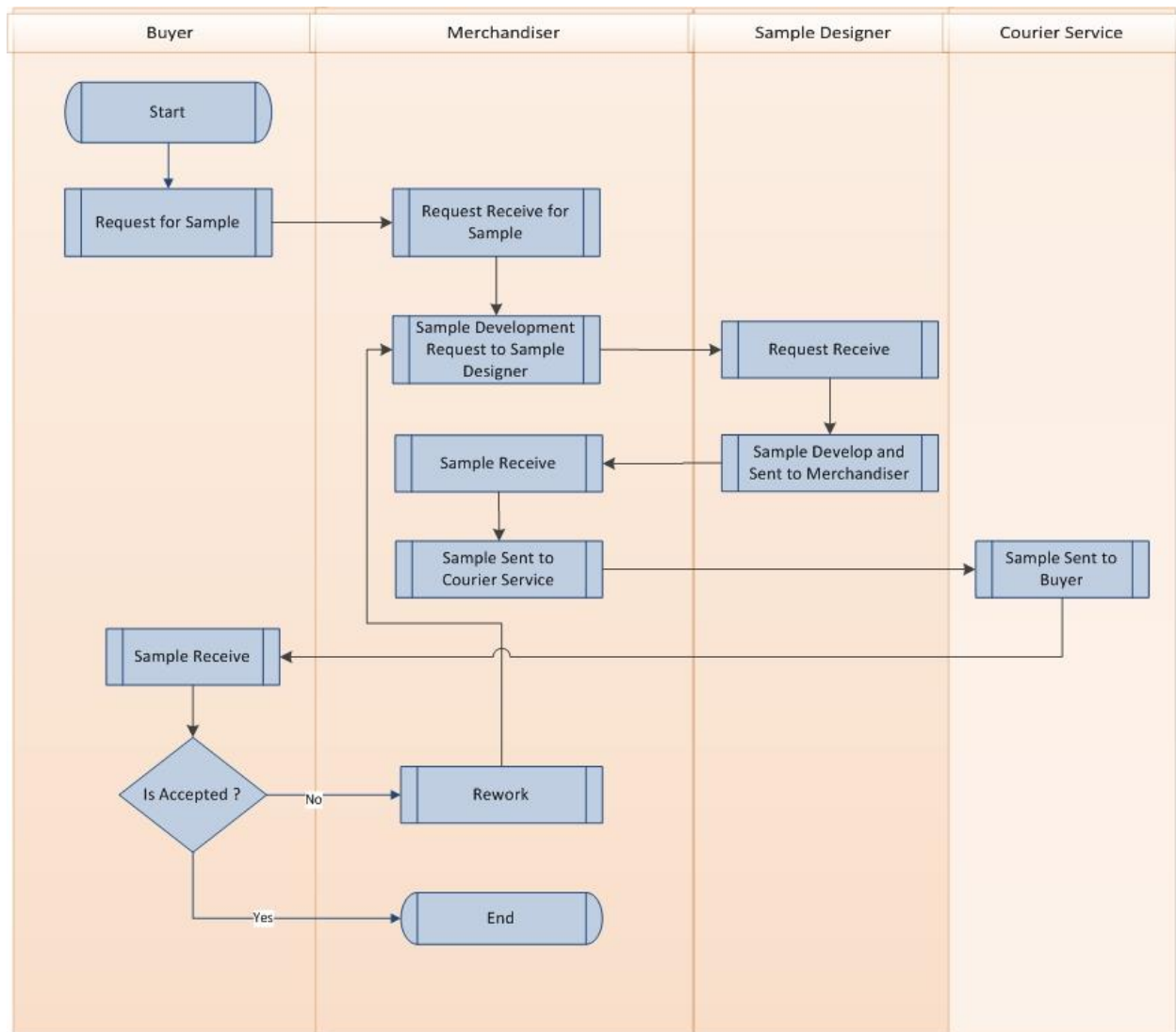


Fig: Sample Requisition and submission Process

Use Case ID: UCD/Mer/002	
Use Case Name: Sample Requisition & Submission Process	
Created By: GenWeb2 Ltd.	Date Created: 10 September 2015
Actors:	<ul style="list-style-type: none"> • Buyer, Merchandiser, Designer(Sample Manager)
Trigger:	<ul style="list-style-type: none"> • When buyer wants to have any type of Sample from the Manufacturer. Even though it can be in pre-sales stage.
Business Rule	<ul style="list-style-type: none"> • Buyer give the sample requisition to the respective Merchandiser and Merchandiser develop the sample through sample department as per asking sample type
Description:	<ol style="list-style-type: none"> Buyer request for Sample Merchandiser sends the sample requirement to sample team Sample team develops the sample requested. Merchandiser send the sample to the buyer If buyer does not approve the sample then merchandiser re-develops the sample with the help of sample team and sends again.
Frequency of Use	<ul style="list-style-type: none"> • High
Preconditions	<ul style="list-style-type: none"> • Defining Style • Tech pack details
Post conditions	<ul style="list-style-type: none"> • N/A
Assumption	<ul style="list-style-type: none"> • Already in practice
Goal	<ul style="list-style-type: none"> • Enter Sample Requisition in System to keep the record in system where it can minimize the Sample Requisition and Submission process with actual data. Eventually this information can help the organization to analysis anything regarding sampling process.
Normal Flow	<ul style="list-style-type: none"> • Merchandiser receive sample request from the Buyer • Merchandiser forward the instruction of sample development to the sample development team
Alternate Flow	<ul style="list-style-type: none"> • N/A
Exception	<ul style="list-style-type: none"> • N/A
Cross Reference	<ul style="list-style-type: none"> • N/A

2.3.3 Buyer Order Confirmation

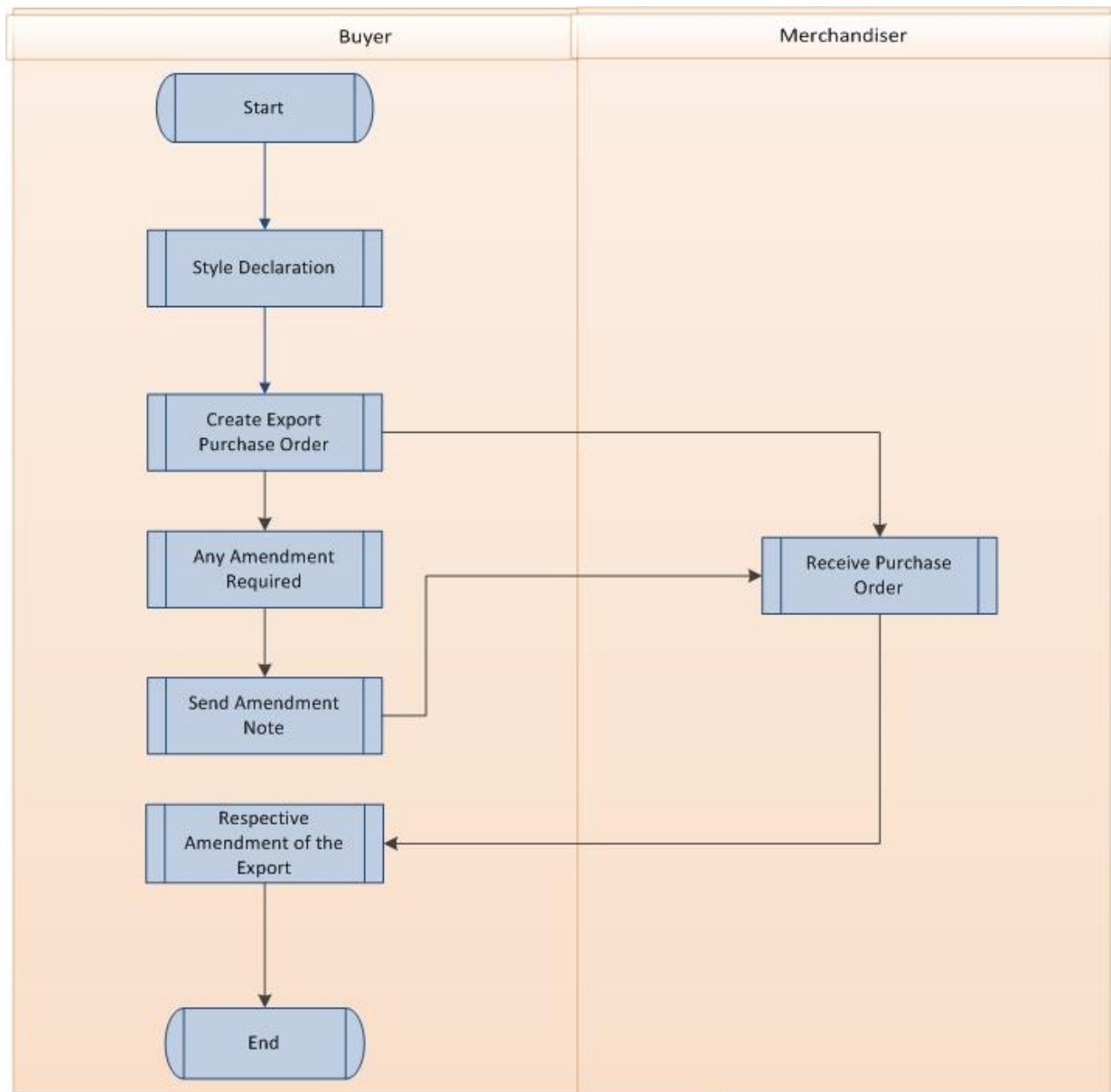


Fig: Buyer Order

Use Case ID: UCD/Mer/004	
Use Case Name: Buyer Order Confirmation Process	
Created By: GenWeb2 Ltd.	Date Created: 10 September 2015
Actors:	<ul style="list-style-type: none"> • Buyer, Merchandiser
Trigger:	<ul style="list-style-type: none"> • When Any Buyer confirms any Order (Give the Purchase order).
Business Rule	<ul style="list-style-type: none"> • Buyer confirms any order by giving Purchase order. It contains all the color size wise order quantity and rate
Description:	<ol style="list-style-type: none"> Buyer gives the Export Purchase Order after quotation finalization. Export Order contains details Color and size wise order quantity, Unit of measurement, rate, Currency, Shipment Date, Shipment Destinations, Shipping Mode, HS Code, tolerance, Delivery Terms etc. If there is any amendment in Export Purchase Order then concern merchandiser receive that amendment note from buyer and address those amendment in Export Purchase Order.
Frequency of Use	<ul style="list-style-type: none"> • High
Preconditions	<ul style="list-style-type: none"> • Style Information • Pre Costing/Quotation finalization
Post conditions	<ul style="list-style-type: none"> • Production Preparation & Execution. (Bill of Materials generation, Sourcing the raw materials, Production Planning
Assumption	<ul style="list-style-type: none"> • Already in practice
Goal	<ul style="list-style-type: none"> • All the production preparation and execution actions happen to execute the Purchase Order given by Buyer, so keep a record of the Export PO creates the relation what will be used as reference in every steps (BOM, Sourcing, Planning, Production & Shipment) to ensure the smooth tracking and productivity.
Normal Flow	<ul style="list-style-type: none"> • Buyer Confirm the Order/Gives purchase order after successful sampling process and finalization of Quotation
Alternate Flow	<ul style="list-style-type: none"> • Buyer can confirm the order/gives purchase order as a reorder of any earlier style or reference.
Exception	<ul style="list-style-type: none"> • Buyer can give the order as a whole. Color size and destination wise breakdown may be confirmed later on. • Buyer can give a verbal confirmation. Actual Export PO may be given just before starting the production
Cross Reference	<ul style="list-style-type: none"> • N/A

2.3.4 BOM (Bill of Material) Generation Process

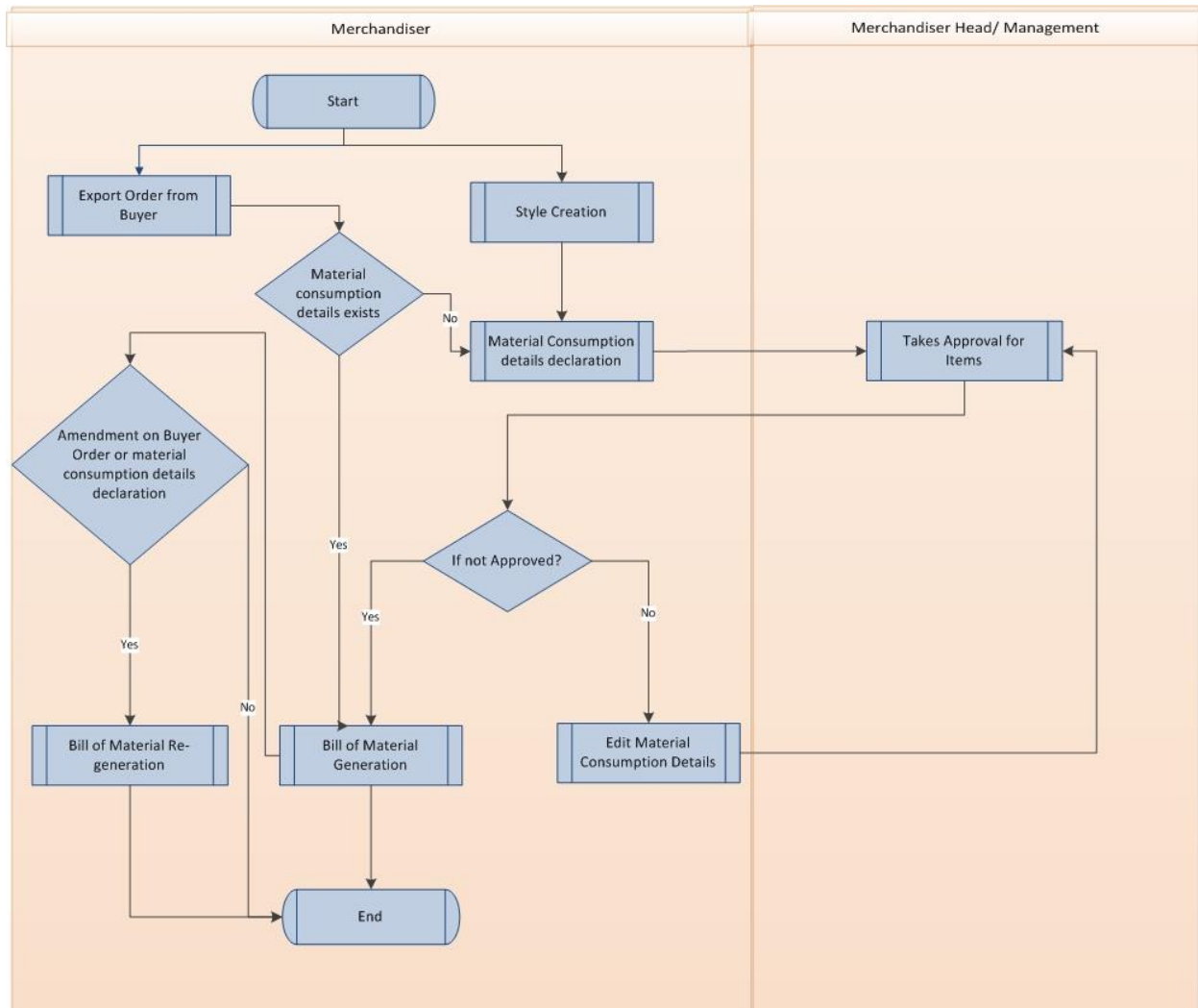


Fig: BOM (Bill of Material)

Use Case ID: UCD/Mer/005	
Use Case Name: Bill of Material generation Process	
Created By: GenWeb2 Ltd.	Date Created: 10 September 2015
Actors:	<ul style="list-style-type: none"> • Merchandiser
Trigger:	<ul style="list-style-type: none"> • When Buyer confirm the order quantity in details (Color & Size wise) and actual raw material consumption and been defined.
Business Rule	<ul style="list-style-type: none"> • Generating all the raw material requirements details along with preferred and buyer nominated supplier details
Description:	<ol style="list-style-type: none"> Merchandiser gets export order from buyer Respective Merchandiser generates the raw materials consumption of an ideal Finished Goods quantity (style). Merchandiser will take consumption approval from management. Considering the Export PO and Consumption logic, Total Raw material and quantity get generated. Total raw material quantity generates by considering the shipment tolerance and wastage percentage. If Amendment on buyer order takes place after BOM generation then BOM will be regenerated.
Frequency of Use	<ul style="list-style-type: none"> • High
Preconditions	<ul style="list-style-type: none"> • Export PO/Buyer Order details • Raw material Consumption logic
Post conditions	<ul style="list-style-type: none"> • Sourcing of raw materials
Assumption	<ul style="list-style-type: none"> • Already in practice
Goal	<ul style="list-style-type: none"> • To generate the Bill of Material in a very easy and effective way • Ensuring the quantity of raw materials to in-house where there will be no shortage while the order will be in execution level. Also it will ensure that there will be very minimum number of leftover after production execution
Normal Flow	<ul style="list-style-type: none"> • Merchandiser Receive the confirm Order (with quantity), Identify the raw materials consumption logic. Based on Export order and Consumptions Logic, BOM of materials get generated by multiplication.
Alternate Flow	<ul style="list-style-type: none"> •
Exception	<ul style="list-style-type: none"> • Buyer may not confirm the order in color size level. In that case Merchandiser generate the BOM as per assumed quantity, where it needs to regenerate while get the actual details order quantity.
Cross Reference	<ul style="list-style-type: none"> • N/A

2.4 Merchandising User Interface mock-up

2.4.1 Style

Style Information

←

→

✕

🏠

http://

🔍

Buyer

Select Buyer▼

Style No

Description

Season

Select Season▼

Year

Select Year▼

Image 01

Image 02

Remarks

Size Group Name	Code			
Size Group A	S			
Size Group A	M			
Size Group A	XL			
Size Group D	S			
.....	...			

Add New

Fig: Style

2.4.2 Sample requisition and submission

A Web Page

http://

Buyer

Style

Reference No

Requisition Ref No

Sample Type

Work Type

Quantity


Unit Price Currency

Assigned/Attr

Raw material source

Requisition Instruction

Requisition Submission:

Submission Date 

Submitted By

Submitted Qty UOM

Courrier Name

Sample Cost Currency

Status

Buyer Comments

Remarks

Fig: Sample requisition and submission

2.4.3 Pre-costing mock-up

Buyer:

Quotation Type:

Version:

Version Date:

Department:

Style No:

Qty:

Gauge:

Currency:

Size Ratio:

Costing Per:

Costing Head	Price/Dzn
Yarn/Dzn	26.73
Linking yarn/Dzn	12
Accessories/Dzn	12
Fabric/Dzn	
Embroidery/Dzn	3
Print/Dzn	5
Lab test/Dzn	12
CM/Dzn	3152
Commercial/Dzn	2
Total without Commission/Dzn	104.25
Buying House Commission/Dzn	5.21
Grand Total/Dzn	109.46
Cost/Pos (FOB)	9.12

Yarn Cost Calculation
Accessories Cost Calculation
CM Calculation

Actual Weight	UCM	Wastage %	Wastage qty	Total Yarn Req	Yarn rate	Currency	Total Yarn Cost
9	Lbs	10%	9	9.9	2.7	USD	26.73

Yarn Cost Calculation
Accessories Cost Calculation
CM Calculation

Item	Required qty	UCM	Wastage %	Wastage qty	Total Item Qty	Item rate	Currency	Total Cost
Button	36	Pcs	10%	4	40	3	USD	12

Yarn Cost Calculation
Accessories Cost Calculation
CM Calculation

Description	Standard Wage	Currency	Percentage	Productivity	USD	BDT
Winding/Pcs					0.0250	2
Knitting/Pcs	3.15	USD		4.5	7	56
Linking/Pcs	3.15	USD		15	21	16.80
Trimming & Mending/Pcs					0.75	6
Iron/Pcs					0.5	4
Zipper Attachment/Pcs						
Fabric Attachment/Pcs						
Stitch Attachment/Pcs						
Misc/Pcs					0.625	5
Total Labour cost/pcs					112.25	89.80
Prod Bonus/pcs			25		28.06	22.45
Fixed(overhead) cost/pc			70		78.58	62.86
Total Cost/pcs					218.89	175.11
TOTAL Cost/Dzn					26.2665	2101.32
Profit / Dzn			20		5.2533	420.26
TOTAL CM/DZN					315.98	2521.58

Fig: Pre-costing mock-up

2.4.4 Buyer work order

Buyer Work Order

Entry Date:

Buyer:

Season:

Year:

Currency:

Status:

Buyer's Department:

Delivery Term:

Details

PO No	Buyer's Style	Product	Order Qty	UOM	Rate	Currency	Ship Mode	Shipment Date	Buyer Inspection	In House Inspection Date	Destination	HS Code	Tolerance %	Remarks
PO_1	Style_1	Mock Neck Sw	5000	Pcs	10	USD	Sea	31/12/2015	30/12/2015	29/12/2015		6110309900	10	

Color	Qty	Rate
Red	5000	10

Size	Qty	Rate
S	1000	10
M	2000	10
L	2000	10

PO No	Buyer's Style	Product	Order Qty	UOM	Rate	Currency	Ship Mode	Shipment Date	Buyer Inspection	In House Inspection Date	Destination	HS Code	Tolerance %	Remarks
PO_2	Style_2	Ladies Sweater	6000	Pcs	8	USD	Sea	31/12/2015	30/12/2015	29/12/2015		6110309922	10	

Color	Qty	Rate
Red	6000	8

Size	Qty	Rate
S	1000	8
M	3000	8
L	2000	8

Fig: Buyer work order

2.4.5 Materials Consumption

[illegible]

Fig: Material Consumption

2.4.6 Bill Of Material (BOM)

BOM

http://

Q

Ref By: ☒ Export PO
☐ Style

Select a Export PO:

Export PO

Serial No	Quotation No.		
1	Qa-12012521		
2	Qa-12012522		
3	Qa-12012523		
4	Qa-12012524		
5	Qa-12012525		

Select a Style:

Style

Serial No	Style Name		
1	style-12012521		
2	style-12012522		
3	style-12012523		
4	style-12012524		
5	style-12012525		

Fig: Bill Of Material (BOM)

3.0 Procurement

3.1 Overview

Procurement is the act of buying goods, services or works from an external source. It is favorable that the goods, services or works are appropriate and that they are procured at the best possible cost to meet the needs of the acquirer in terms of quality and quantity, time, and location. Generic process flow of procurement is:

3.2 Procurement Process Flow

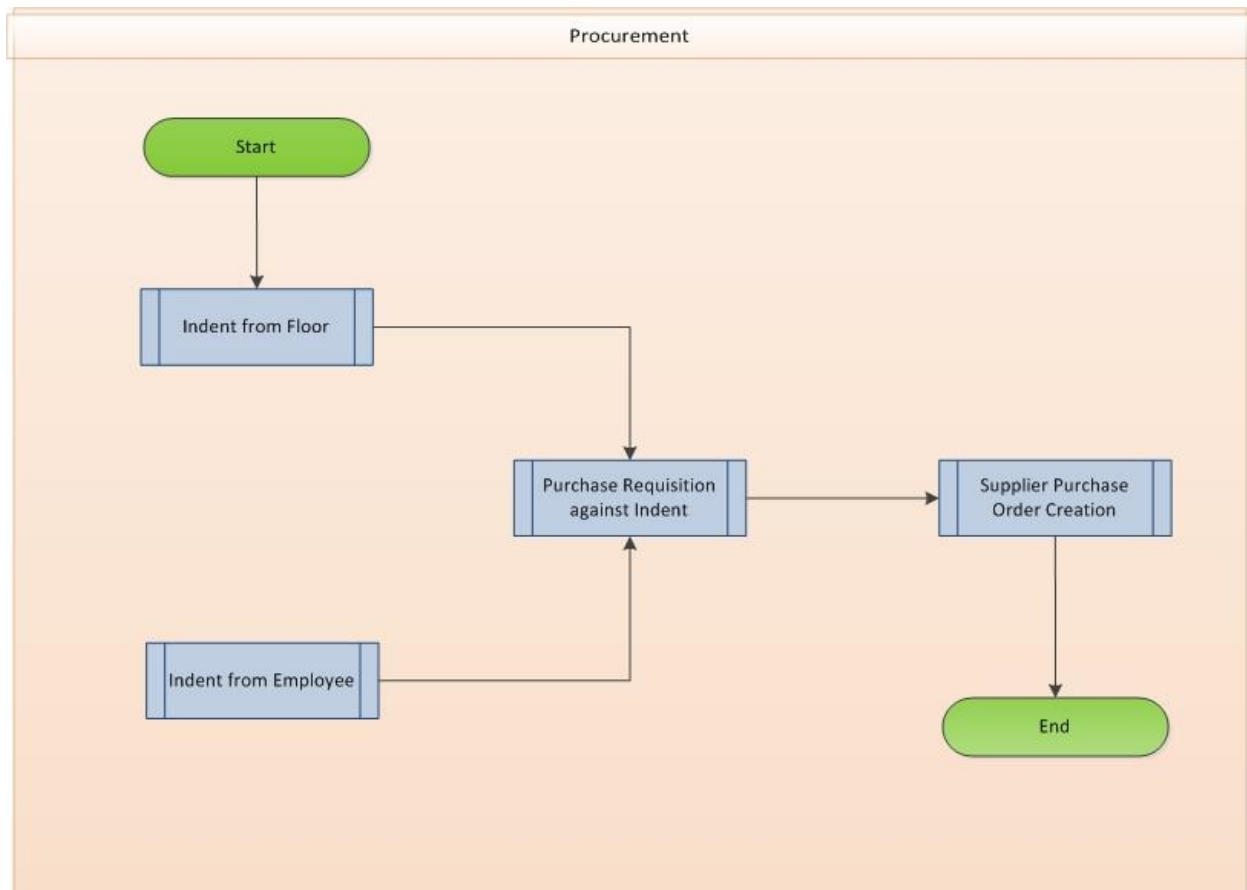


Fig: Procurement process flow diagram

3.3 Procurement use case diagram and description

3.3.1 Purchase Requisition

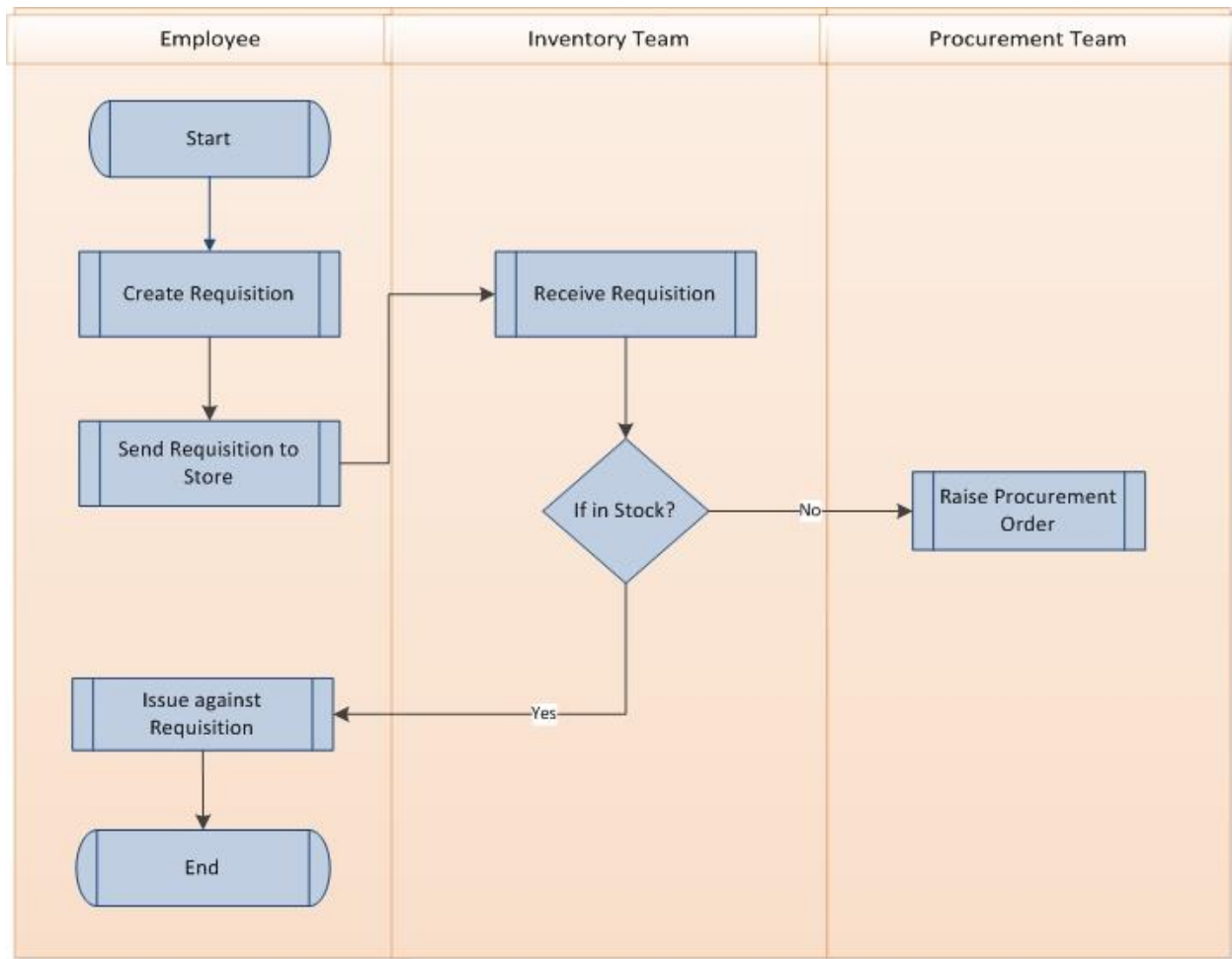


Fig: Purchase requisition

Use Case ID: UCD/Pro/001	
Use Case Name: Purchase Requisition	
Created By: GenWeb2 Ltd.	Date Created: 10 September 2015
Actors:	<ul style="list-style-type: none"> Employee, Inventory manager, Procurement Manager
Trigger:	<ul style="list-style-type: none"> When any general item is required When any raw materials for production (Not from BOM or extended) is required
Business Rule	<ul style="list-style-type: none"> It generate a requisition for some items where those need to be sourced
Description:	<ol style="list-style-type: none"> Store will receive purchase requisition from either internal floor or from other department. Store will check availability of the item in the store. If item is not available then will raise a purchase requisition to procurement team.
Frequency of Use	<ul style="list-style-type: none"> High
Preconditions	<ul style="list-style-type: none"> Indent (Optional)
Post conditions	<ul style="list-style-type: none"> Inventory Issue (If exists) Supplier Purchase Order
Assumption	
Goal	<ul style="list-style-type: none"> To keep track for any item requirement Making sure to raise purchase order when requires and with chain.
Normal Flow	<ul style="list-style-type: none"> Anybody from any department may raise purchase requisition to store for the require items. Inventory try to issue that item is it is available for issue or else supplier purchase order being raised against this requisition
Alternate Flow	<ul style="list-style-type: none"> N/A
Exception	<ul style="list-style-type: none"> N/A
Cross Reference	<ul style="list-style-type: none"> N/A

3.3.2 Supplier Purchase Order:

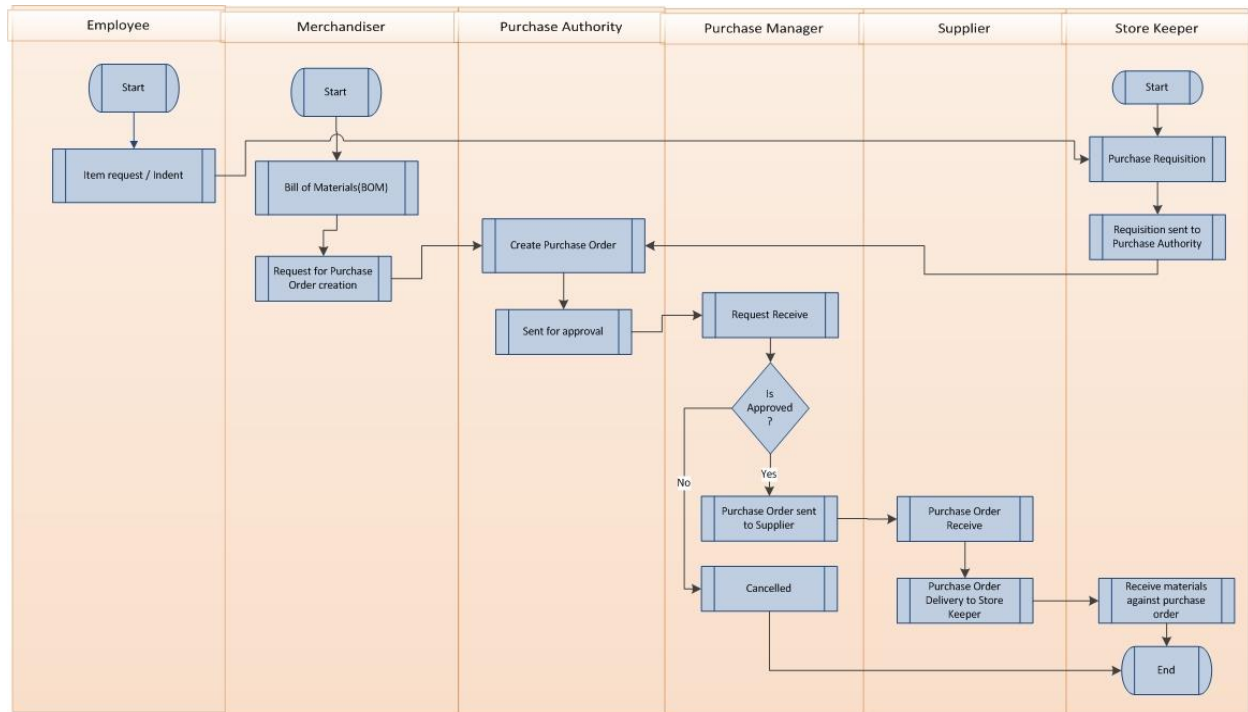


Fig: Supplier purchase order

Use Case ID: UCD/Pro/002	
Use Case Name: Supplier Purchase Order	
Created By: GenWeb2 Ltd.	Date Created: 10 September 2015
Actors:	<ul style="list-style-type: none"> • Procurement Manager, Supplier
Trigger:	<ul style="list-style-type: none"> • When any items require to purchase doesn't matter whether BOM items or general
Business Rule	<ul style="list-style-type: none"> • Procurement team gives order to supplier for any goods
Description:	<ol style="list-style-type: none"> Purchase order can be raised against any requisition from employee Purchase order can be raised against the BOM item purchase request Purchase order can be raised against regular inventory purchase requisition If approval authority approve then the purchase order moves to supplier Supplier deliver the goods to inventory Inventory receives the goods
Frequency of Use	<ul style="list-style-type: none"> • High
Preconditions	<ul style="list-style-type: none"> • Purchase Requisition
Post conditions	<ul style="list-style-type: none"> • Materials Delivery by supplier and receive by store (For No LC Item)
Assumption	
Goal	<ul style="list-style-type: none"> • To keep track for any item requirement • Making sure to raise purchase order when requires and with chain.
Normal Flow	<ul style="list-style-type: none"> • Anybody from any department may raise purchase requisition to store for the require items. Inventory try to issue that item is it is available for issue or else supplier purchase order being raised against this requisition
Alternate Flow	<ul style="list-style-type: none"> • N/A
Exception	<ul style="list-style-type: none"> • N/A
Cross Reference	<ul style="list-style-type: none"> • N/A

3.4 Procurement User interface mock-up

3.4.1 Supplier Purchase Requisition

Purchase Requisition

[Save](#) or [Discard](#)

[Confirm](#) [Cancel](#) [Draft](#) [Confirmed](#) [Bid Selection](#) [PO Created](#)

Purchase Requisition No **TE00004** Source Document **e.g. PO0025**

Requisition By **Mr. X** [🔗](#) Requisition Date [📅](#)

Products

Product	Quantity	Product Unit of Measure	Scheduled Date
Add an item			

3.4.2 Supplier purchase order

[illegible]

Fig: Supplier Purchase Order

Purchase Orders

Create

1-9 of 9

	Reference	Order Date	Supplier	Expected Date	Source Document	Untaxed	Total	Status
	PO00019	09/03/2015 04:36:30	ASUSTeK	09/02/2015		0.00	0.00	Purchase Confirmed
	PO00018	09/03/2015 02:58:45	ASUSTeK	09/02/2015		120.00	120.00	Purchase Confirmed
	PO00017	08/30/2015 17:24:35	Axelor	08/30/2015	TE00003	11.00	12.36	Cancelled
	PO00016	08/30/2015 17:24:29	ASUSTeK	08/30/2015	TE00003	10.50	11.80	Done
	PO00015	08/30/2015 17:18:18	ASUSTeK	08/30/2015		120.00	134.84	Purchase Confirmed
	PO00011	08/25/2015 19:01:12	Axelor	08/30/2015	TE00002	100.00	112.36	Purchase Confirmed
	PO00010	08/25/2015 19:00:18	ASUSTeK	08/30/2015	TE00002	105.00	117.98	Purchase Confirmed
	PO00006	08/19/2015 11:00:12	Vicking Direct	08/19/2015		1335.00	1335.00	Purchase Confirmed
	PO00002	08/19/2015 11:00:11	China Export	08/21/2015		3095.00	3095.00	Purchase Confirmed
						4896.50	4939.34	

Fig: Supplier purchase order List

4.0 Inventory

4.1 Overview

Inventory management is a science primarily about specifying the shape and percentage of stocked goods. It is required at different locations within a facility or within many locations of a supply network to precede the regular and planned course of production and stock of materials.

4.2 Inventory process flow

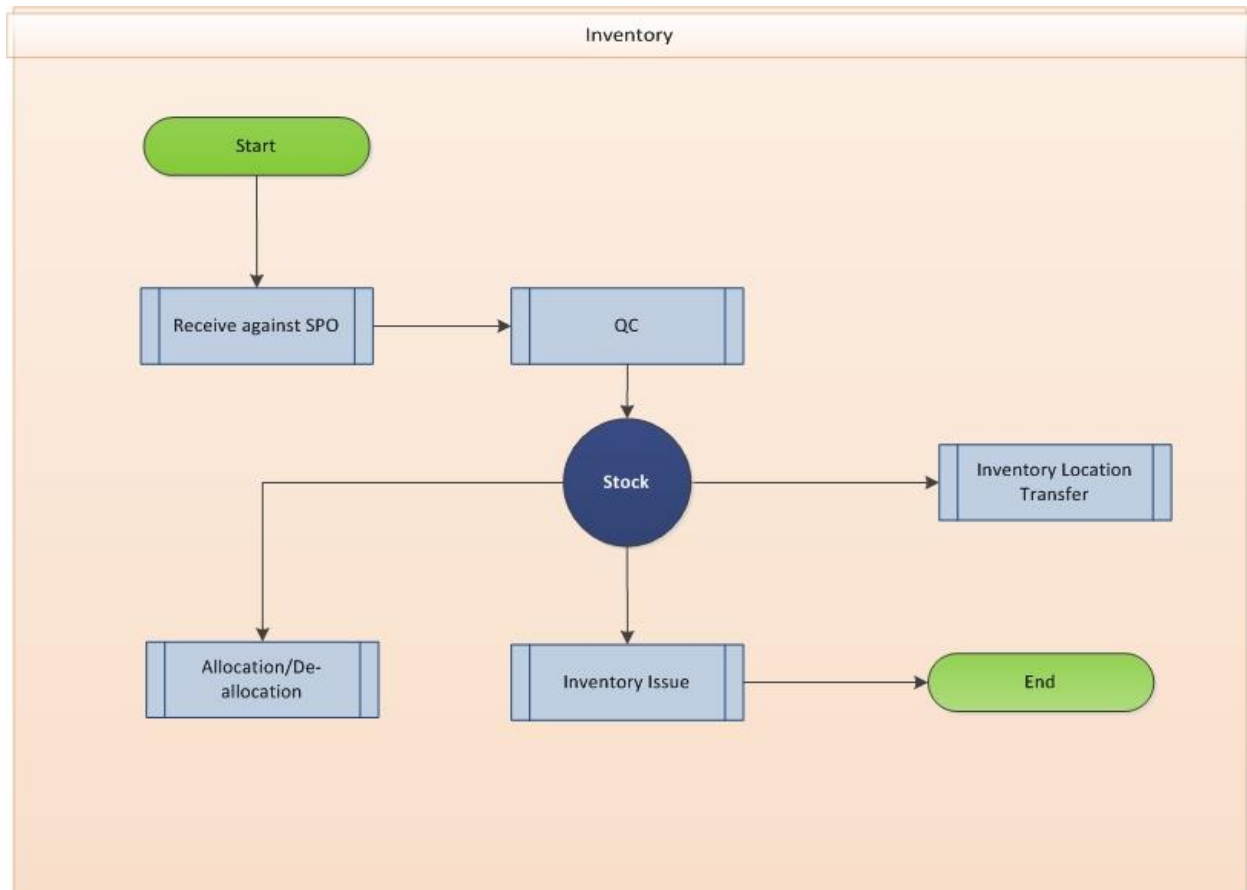


Fig: Inventory process flow

4.3 Inventory Use case diagram and description

4.3.1 Inventory Receive

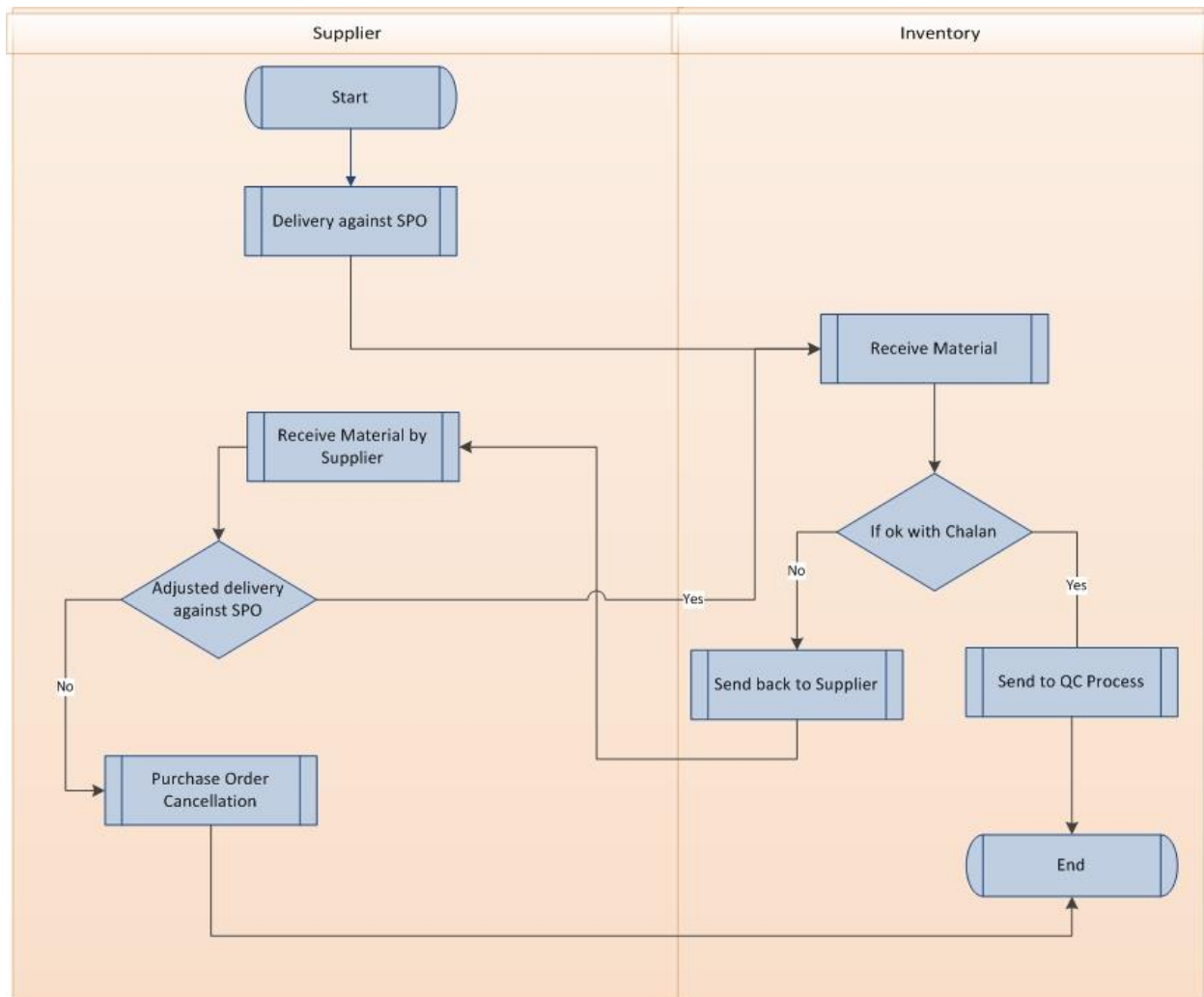


Fig: Inventory Receive

Use Case ID: UCD/Inv/001	
Use Case Name: Inventory Receive	
Created By: GenWeb2 Ltd.	Date Created: 10 September 2015
Actors:	<ul style="list-style-type: none"> • Inventory Authority, Supplier
Trigger:	<ul style="list-style-type: none"> • When Supplier deliver any goods to inventory
Business Rule	<ul style="list-style-type: none"> • Inventory Authority receive goods against purchase order
Description:	<ul style="list-style-type: none"> I. Inventory can receive goods against Supplier Purchase Order II. Inventory can receive goods against commercial Invoice III. Cash purchase item also can be received in inventory IV. Inventory acknowledge the receive items against any Sales Purchase Order (SPO)/Commercial Invoice (CI). V. Only QC passed quantity will moved to stock VI. Failed quantity will move to supplier and then supplier may send replace the QC failed quantity. VII. Inventory again receive that QC failed replaced item sent by supplier
Frequency of Use	<ul style="list-style-type: none"> • High
Preconditions	<ul style="list-style-type: none"> • Supplier Purchase order • Commercial Invoice • Cash purchase
Post conditions	<ul style="list-style-type: none"> • Inventory QC
Assumption	
Goal	<ul style="list-style-type: none"> • To keep track for any inventory receive • To make sure to keep transparency in every steps of inventory transactions
Normal Flow	<ul style="list-style-type: none"> • Authorized inventory person receive against SPO/CI
Alternate Flow	<ul style="list-style-type: none"> • N/A
Exception	<ul style="list-style-type: none"> • N/A
Cross Reference	<ul style="list-style-type: none"> • N/A

4.3.2 Inventory QC

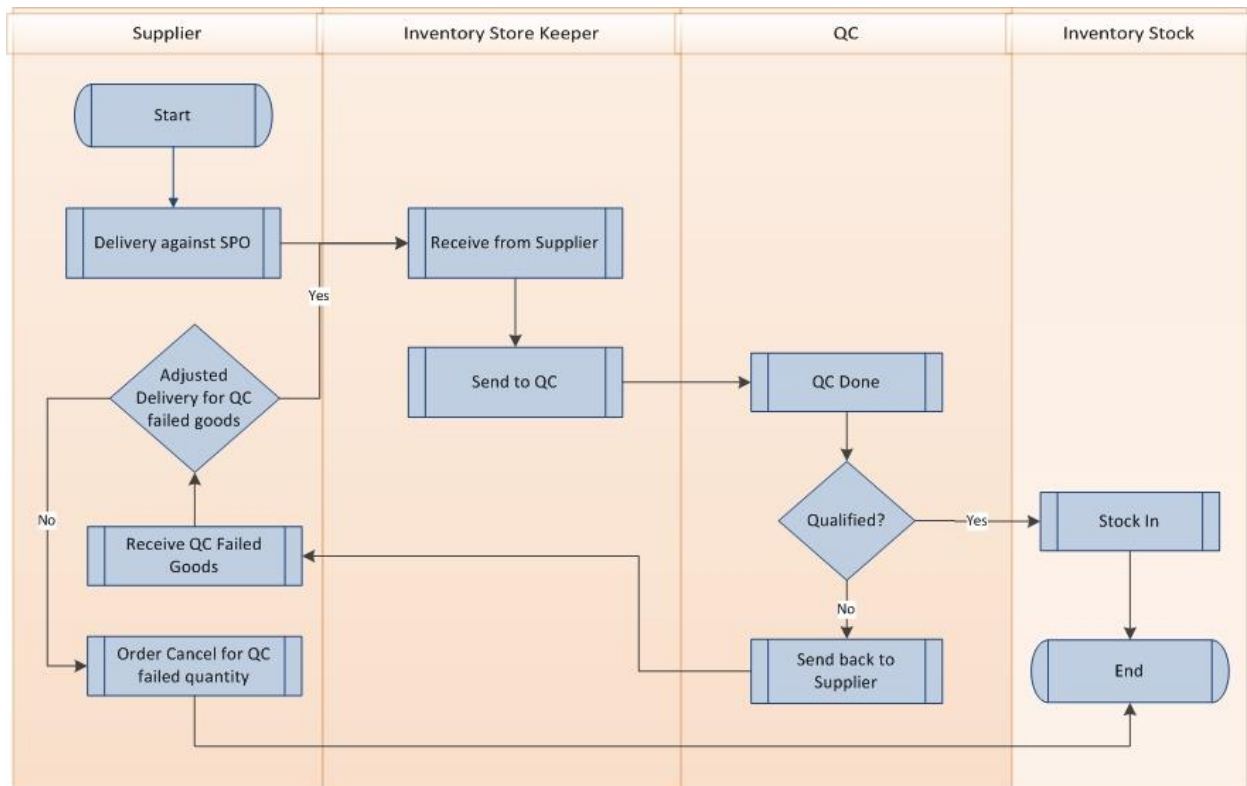


Fig: Inventory QA

Use Case ID: UCD/Inv/002	
Use Case Name: Inventory QC	
Created By: GenWeb2 Ltd.	Date Created: 10 September 2015
Actors:	<ul style="list-style-type: none"> Inventory Authority, Quality Inspector
Trigger:	<ul style="list-style-type: none"> When any inventory receive happen
Business Rule	<ul style="list-style-type: none"> After inventory receive Inventory QC take place to ensure solid stock in the Inventory
Description:	<ol style="list-style-type: none"> Quality Inspector inspects the received materials and passed only the quality products. So only accepted products move to stock Authority will pay the supplier only the QC passed quantity value QC failed quantity goes back to respective supplier If supplier again delivers the replacement of the QC failed items those will be in inventory QC process again.
Frequency of Use	<ul style="list-style-type: none"> High
Preconditions	<ul style="list-style-type: none"> Inventory Receive
Post conditions	<ul style="list-style-type: none"> Inventory Transfer/Inventory Allocation and reallocation/Inventory Issue
Assumption	
Goal	<ul style="list-style-type: none"> To ensure only quality products in Stock Not to pay for the disqualified products To avoid any further raw material shortage during production period
Normal Flow	<ul style="list-style-type: none"> After inventory receive Quality Inspector do the QC and only passed quality moves to stock
Alternate Flow	<ul style="list-style-type: none"> N/A
Exception	<ul style="list-style-type: none"> N/A
Cross Reference	<ul style="list-style-type: none"> N/A

4.3.3 Inventory Transfer

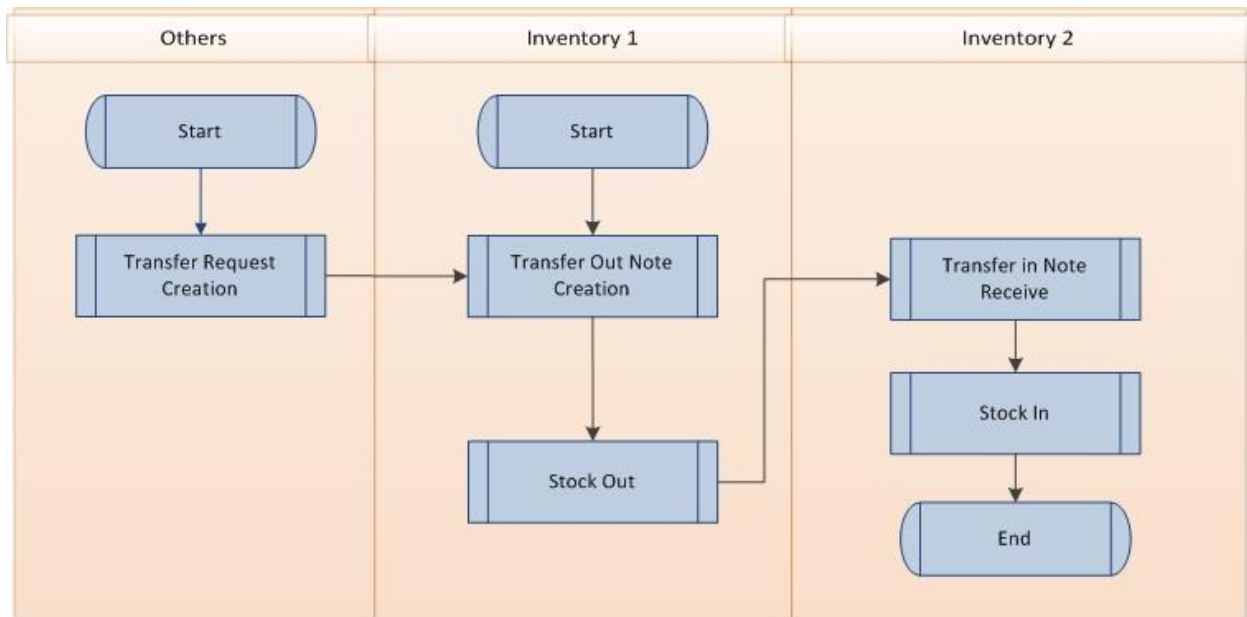


Fig: Inventory transfer

Use Case ID: UCD/Inv/003	
Use Case Name: Inventory Transfer	
Created By: GenWeb2 Ltd.	Date Created: 10 September 2015
Actors:	<ul style="list-style-type: none"> • Inventory Authority
Trigger:	<ul style="list-style-type: none"> • When item transfer happen for any inventory location to another
Business Rule	<ul style="list-style-type: none"> • Transferring item from one inventory stock to another inventory stock
Description:	<ol style="list-style-type: none"> Against any transfer request any storekeeper create transfer out note. Against that transfer out note stock moves from that respective inventory Receivable inventory receive the goods against the transfer note and update the stock.
Frequency of Use	<ul style="list-style-type: none"> • Medium
Preconditions	<ul style="list-style-type: none"> • Stock availability
Post conditions	<ul style="list-style-type: none"> •
Assumption	
Goal	<ul style="list-style-type: none"> • To ensure proper inventory stock availability management
Normal Flow	<ul style="list-style-type: none"> • Transfer happen against any transfer request • Transfer out inventory reduce the transfer quantity from the stock and the transfer receive inventory acknowledge and increase the stock with the receive quantity.
Alternate Flow	<ul style="list-style-type: none"> • N/A
Exception	<ul style="list-style-type: none"> • N/A
Cross Reference	<ul style="list-style-type: none"> • N/A

4.3.4 Inventory Allocation and De-allocation

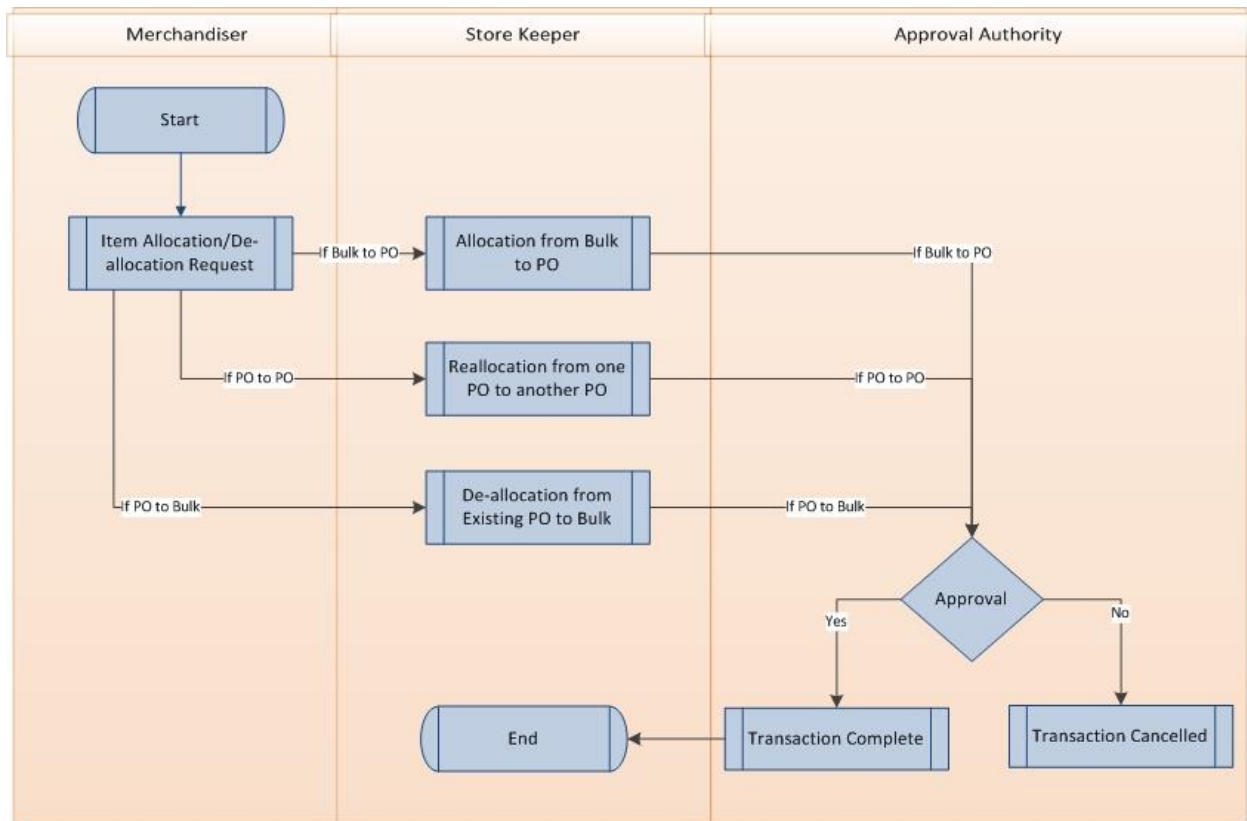


Fig: Inventory allocation de-allocation

Use Case ID: UCD/Inv/004	
Use Case Name: Inventory Allocation, De-allocation and reallocation process	
Created By: GenWeb2 Ltd.	Date Created: 10 September 2015
Actors:	<ul style="list-style-type: none"> • Inventory Authority
Trigger:	<ul style="list-style-type: none"> • When any inventory item need to allocate with certain PO or keep free to use anywhere
Business Rule	<ul style="list-style-type: none"> • Tagging any item to certain Buyer order so it can be used dedicatedly
Description:	<p>I. Allocation request raise from merchandising level.</p> <p>II. There could be 3 types of allocation:</p> <ol style="list-style-type: none"> Allocate bulk/free item stock to any Export PO Allocate assigned PO item stock to other PO De-allocate any item stock from any PO to Bulk/free <p>III. Approval needed for every request</p> <p>IV. If get approved then stock association will move from one stock to another.</p>
Frequency of Use	<ul style="list-style-type: none"> • Medium
Preconditions	<ul style="list-style-type: none"> • Stock availability
Post conditions	<ul style="list-style-type: none"> • Issue against PO
Assumption	
Goal	<ul style="list-style-type: none"> • To ensure proper stock availability as per requirements
Normal Flow	<ul style="list-style-type: none"> • Allocate bulk/free item stock to any Export PO so that item would be fixed only to issue against that Export PO • Allocate assigned PO item stock to other PO so that the stock would be shifted to other PO for issue. • De-allocate any item stock from any PO to Bulk/free so stock may stay free to further use.
Alternate Flow	<ul style="list-style-type: none"> • N/A
Exception	<ul style="list-style-type: none"> • N/A
Cross Reference	<ul style="list-style-type: none"> • N/A

4.3.5 Inventory issue

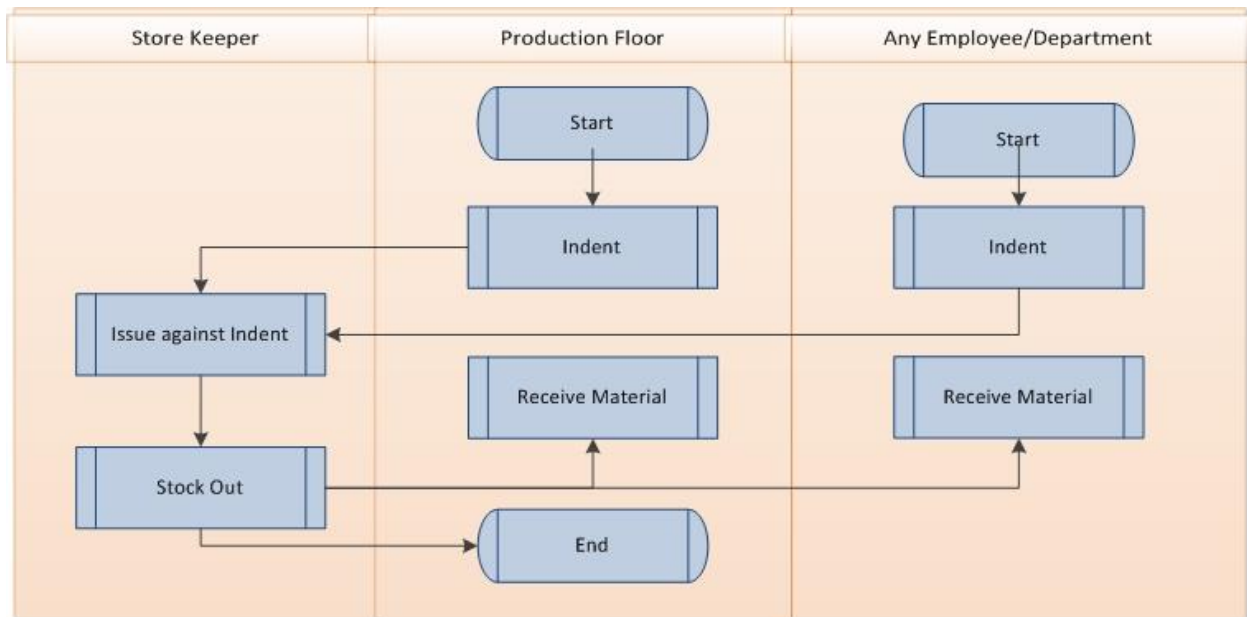


Fig: Inventory issue

Use Case ID: UCD/Inv/005	
Use Case Name: Inventory Issue	
Created By: GenWeb2 Ltd.	Date Created: 10 September 2015
Actors:	<ul style="list-style-type: none"> Inventory Authority
Trigger:	<ul style="list-style-type: none"> When any inventory item needs to issue to production floor or any other purpose
Business Rule	<ul style="list-style-type: none"> Issuing item stock to production floor or any purpose
Description:	<p>I. There are 3 types of issue transactions:</p> <ul style="list-style-type: none"> a. Issuing Item stock to production floor against indent b. Issuing item stock to maintenance purpose against indent c. Issuing item stock to user/employee use against indent <p>II. Every successful transaction will reduce stock</p>
Frequency of Use	<ul style="list-style-type: none"> High
Preconditions	<ul style="list-style-type: none"> Stock availability & requirement
Post conditions	<ul style="list-style-type: none">
Assumption	
Goal	<ul style="list-style-type: none"> To ensure decrease stock and proper issue log
Normal Flow	<ul style="list-style-type: none"> Issue against allocated PO Issue independently
Alternate Flow	<ul style="list-style-type: none"> N/A
Exception	<ul style="list-style-type: none"> N/A
Cross Reference	<ul style="list-style-type: none"> N/A

4.4 Inventory user interface mock-up

4.4.1 Inventory receive

On Incomin... / New

Save or Discard

Mark as Todo
Cancel Transfer

Draft
Waiting Availability
Partially Available
Ready to Transfer
Transferred

Partner

Creation Date

09/09/2015 03:27:12

Scheduled Date

Source Document

e.g. PO0032

Products

Additional Info

Product	Quantity	Unit of Measure	Destination Location	Availability	Status
Add an item					

Add an internal note...

Fig: Inventory Receive

4.4.2 Inventory QC

[illegible]

Fig: Inventory QC

4.4.3 Inventory transfer

Stock Moves / SO024/ A1232: Stock > Customers

Save or Discard 1 / 58

New Waiting Availability Available Done

Product	[A1232] iPad Mini	Picking Type	YourCompany: Delivery Orders
Quantity	8.000 Unit(s)	Invoice Control	Not Applicable
Description	[A1232] iPad Mini	Priority	Normal
		Date	09/03/2015 05:24:35

Origin	Destination
Source	Destination Location
Source Location	Destination Address
Reference	Purchase Order Line
Creation Date	
Procurement Group	

Reserved Quants

Product	Quantity	Location	Incoming Date	Inventory Value
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Fig: Inventory Transfer

4.4.4 Inventory Allocation & De-allocation

Allocation / Deallocation

☒ BULK to PO
☐ PO to PO
☐ PO to BULK

From PO	Item	Items Description	Stocks(Qty)	UOM	Transfer(Qty)	UOM	To PO
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Fig: Inventory allocation de-allocation

4.4.5 Inventory issue

inventory issue

DraftWaiting for ApprovalIn ProgressReceived

Indentor

Inventory

To Department

Ex PO

Purpose

Sample For

Administrator

WH/Stock

Virtual Locations/Production Center 001

1

Purchase Indent

Indent Date

Issue date

Approve Date

Requirement

Picking Type

09/10/2015 15:52:22

09/17/2015 15:52:23

Ordinary

Rishilpi International Handicrafts:
Receipts

Products

Others

Product	Category	Quantity Required	In Stock	Unit	Purpose	Price	Sale Price	Subtotal
[RICJ-5501] Rinuccia Bag		1.000	0.00	Unit	[RICJ-5501] Rinuccia Bag	0.00	1.00	0.00
[RICJ-5505] Martha Bag (A)		1.000	0.00	Unit	[RICJ-5505] Martha Bag (A)	0.00	1.00	0.00

Fig: Inventory issue