

# MobiVue PMMS

## Ajanta Pharma Ltd.

Functional Specification  
Document (WMS\_INWARD)

This document includes the functional and non- functional requirements for specification of the application designed for Ajanta Pharma.

Prepared By: Leena

Version Number: 1.0

## NOTICE

This document contains information, which is the proprietary property of Bar Code India. This document is received in confidence and its contents cannot be disclosed or copied without the prior written consent of Bar Code India.

Nothing in this document constitutes a guaranty, warranty, or license, express or implied. Bar Code India disclaims all liability for all such guaranties, warranties, and licenses, including but not limited to: Fitness for a particular purpose; merchantability; not infringement of intellectual property or other rights of any third party or of Bar Code India; indemnity; and all others. The reader is advised that third parties can have intellectual property rights that can be relevant to this document and the technologies discussed herein and are advised to seek the advice of competent legal counsel, without obligation of Bar Code India.

Bar Code India retains the right to make changes to this document at any time, without notice. Bar Code India makes no warranty for the use of this document and assumes no responsibility for any errors that can appear in the document nor does it make a commitment to update the information contained herein.

### COPYRIGHT

Copyright © **BCI** 2023. All rights reserved.

### TRADEMARKS

\*Other product and corporate names may be trademarks of other companies and are used only for explanation and to the owners' benefit, without intent to infringe.

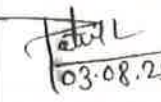
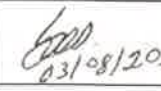
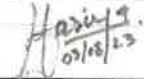

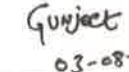
## REVISION HISTORY







Revision Number	Date	Prepared By	Reviewed By	Comment
00	22.05.2023	Leena Patil	Sailendra Das	Functional & Design Specification document (Inward)

## TABLE OF CONTENTS

Notice.....	2
Revision History .....	3
1 Protocol Approval .....	5
2 Introduction .....	6
3 Objective .....	6
4 Scope.....	6
5 Inward .....	7
5.1 Gate Entry .....	7
5.2 Vehicle Inspection .....	10
5.3 Material Inspection .....	13
5.4 Weight/ Quantity Verification .....	18
5.5 GRN Posting .....	21
5.6 Material Label Printing.....	24
5.7 Palletization.....	27
5.8 Put away.....	29
5.9 Bin To Bin Transfer .....	31
5.10 GRN Cancellation .....	33
5.11 GRN Reposting .....	35

## 1 PROTOCOL APPROVAL

M/S Bar Code India Ltd.				
	Name	Department	Designation	Sign & Date
Prepared By	Leena Patil	Software	Technical Document Writer	 03-08-23
Reviewed By	Sailendra Das	Software	Business Analyst	 03/08/2023
Reviewed By	Hemant Gariya	Software	Development Lead	 03/08/23
Reviewed By	Rajeevkumar P	Software	Quality Tester	 03/08/2023
Approved By	Gunjeet Singh	Software	Software Quality Lead	 03-08-2023

Ajanta Pharma Ltd :-				
	Name	Department	Designation	Sign & Date
Reviewed By	Deen Dayal Dubey	WH	Asst. manager	 Aug 09, 2023
Reviewed By	Havish Chandra Dhal	WH	Sr. Executive	 Aug 09, 2023
Reviewed By	Abhejith Datta	IT	Sr. Executive	 Aug 09, 2023
Reviewed By	Rahul Das	WH	Sr. Manager	 Aug 10, 2023
Reviewed By	Nakul Kumar Binjha	QA	Asst. Manager	 Aug 10, 2023
Reviewed By	NA	NA	NA	NA
Reviewed By	NA	NA	NA	NA
Approved By	Purnananda	QA	DGM	 Aug 11, 2023

## 2 INTRODUCTION

The purpose of this document is to list down all the system function solutions for the business need identified by the user.

## 3 OBJECTIVE

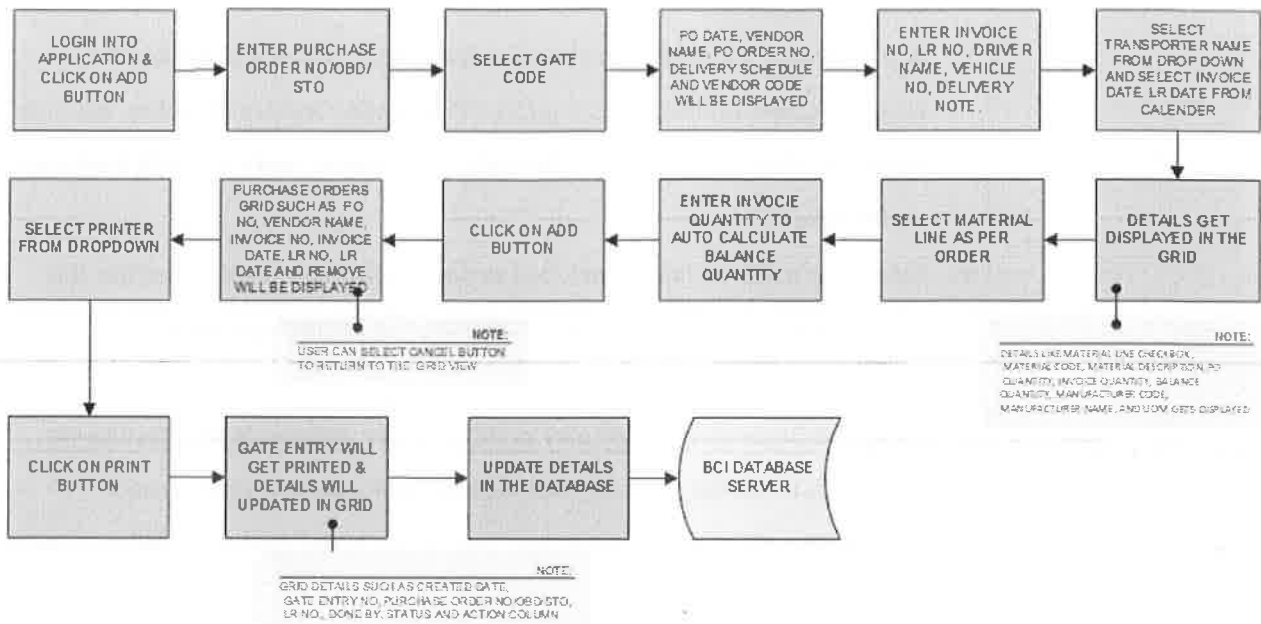
The Functional Specification Document is a document that provides detailed information on how the system solution will function and the requested behavior. The document is created based on the requirements identified by the user.

## 4 SCOPE

This document will contain the functional details of the MobiVue PMMS system (Module-Inward)

## 5 INWARD

### 5.1 GATE ENTRY



\*The flow diagram is for reference purpose only.

\*\*After saving the data the user can view the saved details in the module table grid.



### Activities

<b>Module Description</b>	Gate Entry activities controls and manage the material vehicle movement inside the plant for unloading the material.
<b>Pre-Conditions</b>	1. Purchase Order No/ OBD/STO details should pushed from SAP to BCI system.
<b>Process Steps</b>	1. User will login into Application then click on add button. 2. Enter Purchase Order No/ OBD/STO. 3. Select Gate Code from dropdown 4. PO Date, Vendor Name, PO No Delivery Schedule and Vendor Code will be displayed

5. Enter Invoice No, LR No, Driver Name, Vehicle No, Delivery note
6. Select Transporter Name.
7. Select Invoice Date, LR Date from the calendar.
8. A grid view of Material displays as material lines check box, PO line No, Material Code, Material Description, PO Quantity, Invoice Quantity, Balance Quantity, Manufacturer Code, Manufacturer Name, and UOM will displayed on the screen
9. Select the material lines check box as per received material and enter the invoice quantity system will auto calculate the balance quantity.
10. Click on Add button.
11. Purchase Order Grid will display as PO Number, Vendor Name, Invoice No, Invoice Date, LR No, LR Date, and Remove will appear on the screen.
12. By selecting the cancel button user can return to the grid view without saving any data.
13. Select printer from dropdown.
14. Click on Print button.
15. Gate entry details label will get printed.
16. Update the details in the database and details will Display in grid view.
17. The grid view is as Created date, Gate entry no, Purchase order No/OBD/STO, LR No., Done by, Status and action column.
18. Gate entry Status will show in the status column of the grid i.e. active and if gate entry canceled status showing i.e. in-active.
19. Selecting the action button user can display details of the gate entry and if required any change in gate entry then click on edit button and change the data which manually entered during the gate entry and click on save button. Data save in the database and details will Display in grid view. User can use the back button for closing the screen or as when required.
20. If gate entry cancellation required, user select the action button and click on cancel button, gate entry shall be cancelled and pop-up displayed gate entry canceled successfully.
  - *Authorized user can edit, cancel and re-print as per requirement by entering appropriate remark.*

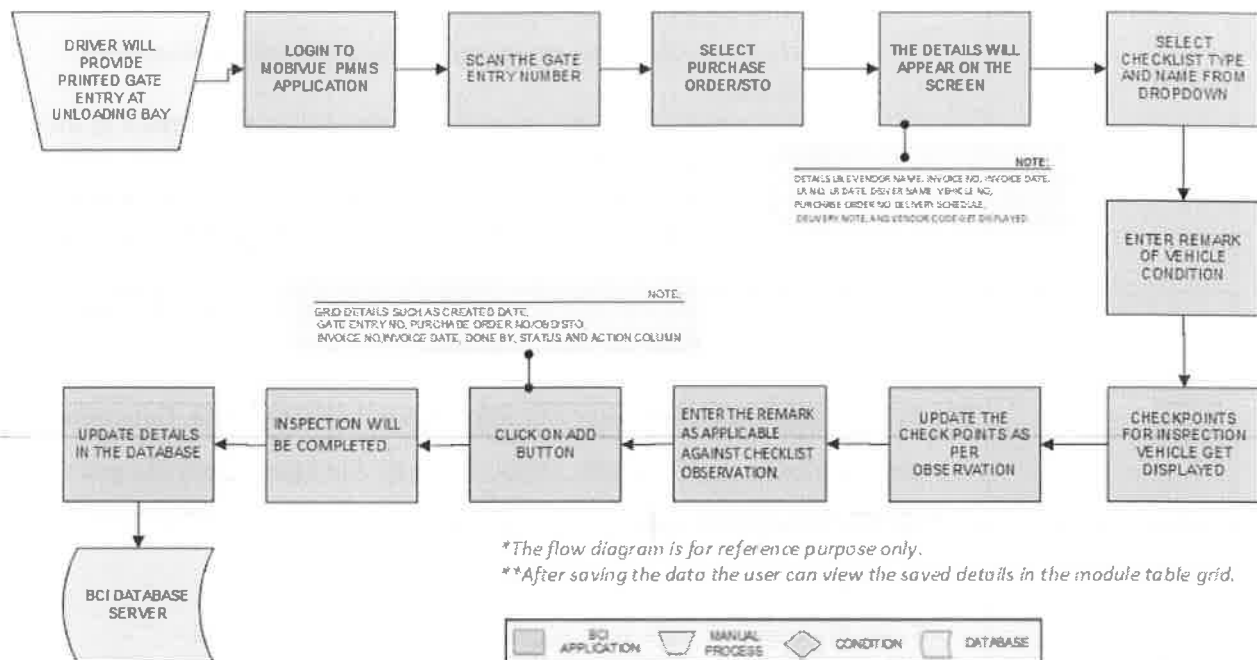


	<ul style="list-style-type: none"> <li>• System will not allow to cancel the gate entry if the next step i.e. vehicle inspection is completed.</li> <li>• System will allow the cancel gate entry if the vehicle inspection rejected.</li> <li>• After cancel gate entry, invoice quantity will be added back to the balance quantity and status showing is in-active In grid.</li> <li>• In case of the Purchase order amendment in the SAP, SAP will push the new material or the same material amend quantity in a new line to the BCI.</li> <li>• In some cases SAP can amend the quantity in the same Purchase order in the existing material line.</li> </ul>
	<p>21. By using the search field user can able to search created date, Gate entry no., purchase order no/OBD/STO, LR no., Done By and Status from the grid after putting of required data.</p> <p>22. By clicking on filter option :-</p> <p>Enter the required data such as purchase order no/OBD/STO,</p> <p>By select the status from dropdown i.e. Active or in- active.</p> <p>Select sort by from dropdown i.e. creation date, gate entry no, purchase order no /STO. Select Asc from dropdown i.e. Asc and Desc. Then click on apply button. By using clear button, user can go to the main screen.</p>

<b>Post-Conditions</b>	1. Gate entry barcode label should be available at the unloading bay.
------------------------	-----------------------------------------------------------------------

<b>Validations</b>	<ol style="list-style-type: none"> <li>1. An alert should be displayed in case duplicate/ invalid Purchase Order No/STO/OBD is entered.</li> <li>2. An alert should be displayed in case duplicate Invoice No is entered.</li> <li>3. An alert should be displayed in case Purchase Order details are not fetched from SAP.</li> </ol>
--------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## 5.2 VEHICLE INSPECTION



### Activities

<b>Module Description</b>	Before unloading material from the vehicle, vehicle will be inspected against the defined checklist.
---------------------------	------------------------------------------------------------------------------------------------------

<b>Pre-Conditions</b>	<ol style="list-style-type: none"> <li>1. Printed Gate Entry should be available.</li> <li>2. Checklist should available in Checklist master.</li> </ol>
-----------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Process Steps</b>	<ol style="list-style-type: none"> <li>1. Driver will provide printed Gate entry details label at the unloading bay.</li> <li>2. User will login into Application then click on add button.</li> <li>3. Scan the Gate Entry Number.</li> <li>4. Select Purchase Order/STO/OBD if gate entry done with multiple PO.</li> <li>5. Details such as Vendor Name, Invoice No, Invoice Date, LR No, LR Date, Driver Name, Vehicle No, Purchase Order No Delivery Schedule, Delivery Note, and Vendor Code will appear on the screen.</li> <li>6. Select checklist Type as required from dropdown.</li> <li>7. Select checklist Name as required from dropdown.</li> <li>8. Enter remark of vehicle condition.</li> </ol>
----------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

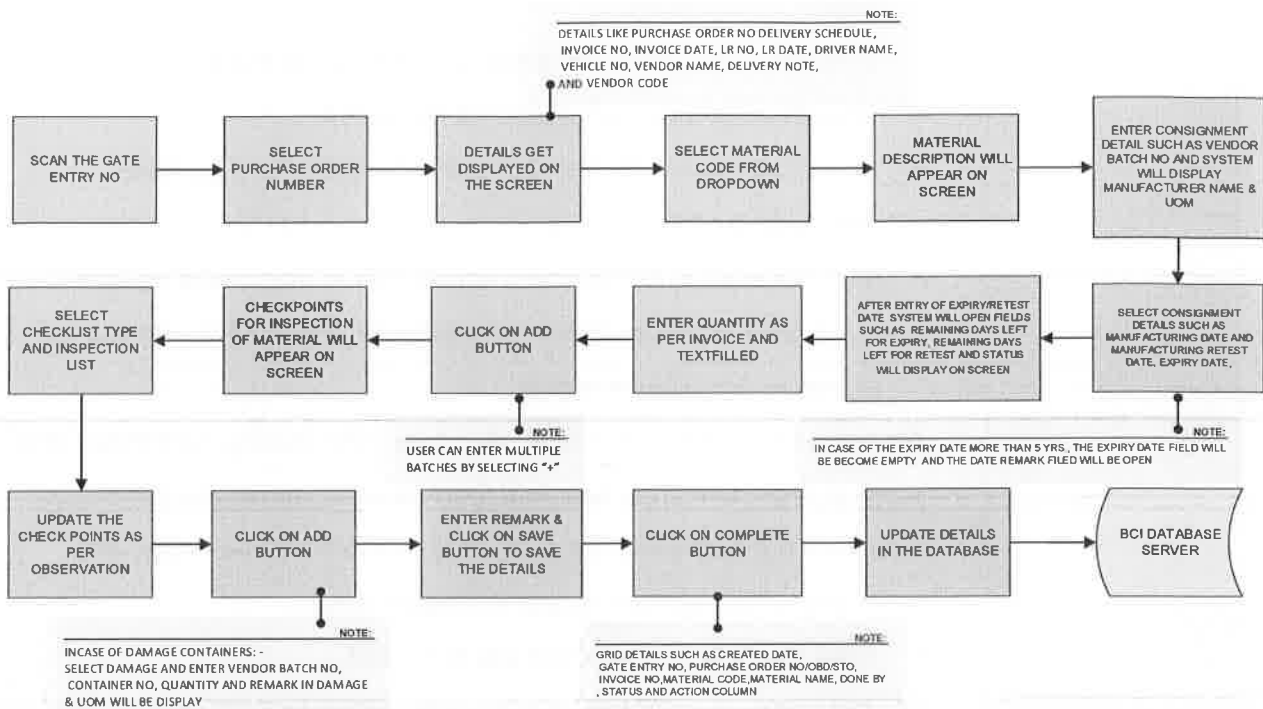
9. Checkpoints for inspection of vehicle will appear on the screen.
10. Update the checkpoints as per the observation.
11. Enter the remark as applicable against checklist observation.
12. Click on Add button.
13. Inspection will be completed.
14. Update the details in the database and details will display in the grid.
15. The Grid view as Created date, Gate entry no., Purchase order/ STO/OBD, Invoice no., Invoice date, done by, status and action.
16. Vehicle Status will show in the status column of the grid i.e. Completed/Accepted.
17. By selecting the action button, details of the entry will be display.
18. Selecting the back/cancel button user can return to the main grid screen from the particular screen without any change.
19. In case any non-conformance observed in the checklist, the status will be display as on-hold and system will not allow to proceed next step.
20. Authorized user can accept/reject/Hold by selecting the action button, if authorized user will accept the checklist observation, status will change in grid as accepted and if will rejected by authorized user, status will be display in the grid as rejected.
21. Authorized user by selecting the action button user can display details of the vehicle inspection and if required any change in vehicle inspection then click on edit button and change the data which manually entered /selected during the vehicle inspection and click on save button. Data save in the database and details will Display in grid view.
22. Completed /Accepted vehicle inspection can be on hold by authorized person also.
  - *System will not allow to reject vehicle inspection if the next step i.e. material inspection is accepted.*
23. By using the search field user can able to search the Created date, Gate entry no, purchase order no/OBD/STO, Invoice no, Invoice date, Done by & Status data from the grid after putting of required data.
24. By clicking on filter option

	Select the status from drop down i.e. Accepted, On Hold, Rejected, and Completed. Enter Purchase Order no / OBD / STO. Select sort by from drop down i.e. Gate Entry No, Invoice No and Purchase Order No /STO. Select Asc from dropdown i.e. Asc and Desc. Then click on apply button. By using clear button, user can go to the main screen.
--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Post-Conditions</b>	1. Vehicle inspection will be completed.
------------------------	------------------------------------------

<b>Validations</b>	<ol style="list-style-type: none"><li>1. An alert should be displayed in case invalid Gate Entry No is scanned.</li><li>2. An alert should be displayed in case duplicate/ invalid Purchase Order/STO/OBD is selected.</li></ol>
--------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## 5.3 MATERIAL INSPECTION



\*The flow diagram is for reference purpose only.

\*\*After saving the data the user can view the saved details in the module table grid.



### Activities

<b>Module Description</b>	In this module material will be inspected after receipt of the material at plant.
<b>Pre-Conditions</b>	<ol style="list-style-type: none"> <li>1. Gate Entry should be available for scanning.</li> <li>2. Vehicle Inspection should be completed.</li> </ol>
<b>Process Steps</b>	<ol style="list-style-type: none"> <li>1. User will login into Application then click on add button.</li> <li>2. Scan the Gate Entry No barcode.</li> <li>3. Select Purchase Order from dropdown if gate entry done with multiple PO.</li> <li>4. Details such as Purchase Order No Delivery Schedule, Invoice No, Invoice Date, LR No, LR Date, Driver Name, Vehicle No, Vendor Name, Delivery</li> </ol>

	<p>Note, Vendor Code and Manufacturer Name in consignment details will appear on the screen.</p> <ol style="list-style-type: none"> <li>5. Select Material Code from dropdown for Material details.</li> <li>6. Material Description will appear on the screen.</li> <li>7. Enter Consignment Details such as Vendor Batch No if available otherwise put NA.</li> <li>8. User will select in Consignment details such as Manufacturing Date , Expiry Date and Manufacturing Retest Date. Unit of Measurement will display as per material master.</li> </ol> <p><i>*In case of the expiry date is more than 5 yrs. After putting more than 5 year expiry date in expiry field, new field (Date Remark) will be open for entry of more than 5 yrs. date and the expiry date field will become empty. After saved, expiry date captured as per BCI master data.</i></p> <ol style="list-style-type: none"> <li>9. Enter Quantity as per Invoice and Text Filled.</li> <li>10. After entry of expiry/retest date system will open fields such as remaining days left for expiry/ remaining days left for Retest and Status will display on screen.</li> <li>11. Click on add button to save Consignment details.</li> <li>12. User can enter multiple batches by selecting "+" and remove the batch details by "-" sign</li> <li>13. Checkpoints for Material inspection will appear on the screen.</li> <li>14. Select Checklist Type and Inspection Checklist for checkpoints from dropdown.</li> <li>15. Select/Enter observation in the checklist then click the add button and enter the remark , save and Complete button.</li> <li>16. Update the details in the database and details will Display in grid view.</li> <li>17. If checklist observation found is not satisfactory, enter the remark and click on save and complete button. Update the details in the database and details will Display in grid view with ON HOLD status.</li> <li>18. In case of damage containers: - Click on damage options and select Vendor Batch No, Container No, Quantity and Remark in Damage section.</li> </ol>
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

19. Unit of measurement will be displayed for the damaged material as per material master data.
20. Click on save button to save the details.
21. In case of multiple material lines, the user can save the data in between and status of the material inspection line will be show as in progress.
22. Click on Complete button after completion of all material inspection.
23. System will not allow to proceed the next step before selecting the completed button.
24. Update the details in database and display in grid view.
25. Grid view display as Created date, Gate entry no, Purchase order/ STO/OBD, invoice no, Material code, Material name, done by, status and action.
26. Material status accepted/In-progress/on hold /rejected will be display in grid under status column.
27. By selecting the action button, details of the entry will be display.
28. Selecting the back/cancel button user can return to the main grid screen from the particular screen without any change.
29. In case any non-conformance observed in the checklist, the status will be display as on-hold and system will not allow to proceed next step.
30. Authorized user can accept/reject/hold by selecting the action button, if authorized user will accept the checklist observation, status will change in grid as accepted then it will allow to proceed for next step. And if will rejected/hold by authorized user, status will be display in the grid as rejected/hold and it will not allow to proceed for next step.
31. In case of the material inspection reject, system will reject the vehicle inspection and gate entry automatically and system will not allow to edit the Material inspection, vehicle inspection and gate entry.
32. Selecting the action button user can display details of the material inspection and if required any change in material inspection then click on edit button and change the data which manually entered during the material inspection and click on save and complete button. Data save in the database and details will Display in grid view.



33. For the expiry date calculation system will follow below logic

**Raw Materials –**

- a. If expiry date is mentioned by user at the time of GRN then accept as it is.
- b. If expiry date is not mentioned by user, then calculate expiry date as per shelf life available in BCI material master with manufacture date.
- c. If user enter manufacturing date and Retest date system will auto calculate expiry date as per BCI material master data.

**Packing Materials –**

- d. If Manufacturing and expiry date is given by vendor COA, the same will be accepted during preparation of GRN.(Both will enter during material inspection )
- e. If expiry date is not mentioned by vendor COA, then calculate expiry date as per shelf life available in BCI material master with manufacture date. (Only manufacturing date will enter during material inspection )
- f. If manufacturing and expiry date is not mentioned by vendor COA, then calculate expiry date as per shelf life available in BCI material master with manufacture date (Manufacturing date will be consider as GRN preparation date i.e. the GRN preparation date will enter as manufacturing date during material inspection. )
- g. If manufacturing and expiry date is not mentioned by vendor & even shelf life not available in BCI material master, then leave blank (in case of Secondary Packaging Materials and Tertiary Packaging Materials).
- h. If user enter manufacturing date and Retest date system will auto calculate expiry date as per BCI material master data.

34. System will not allow to rejection of material inspection activity if the next step i.e. weight/Quantity verification is satisfactory saved.

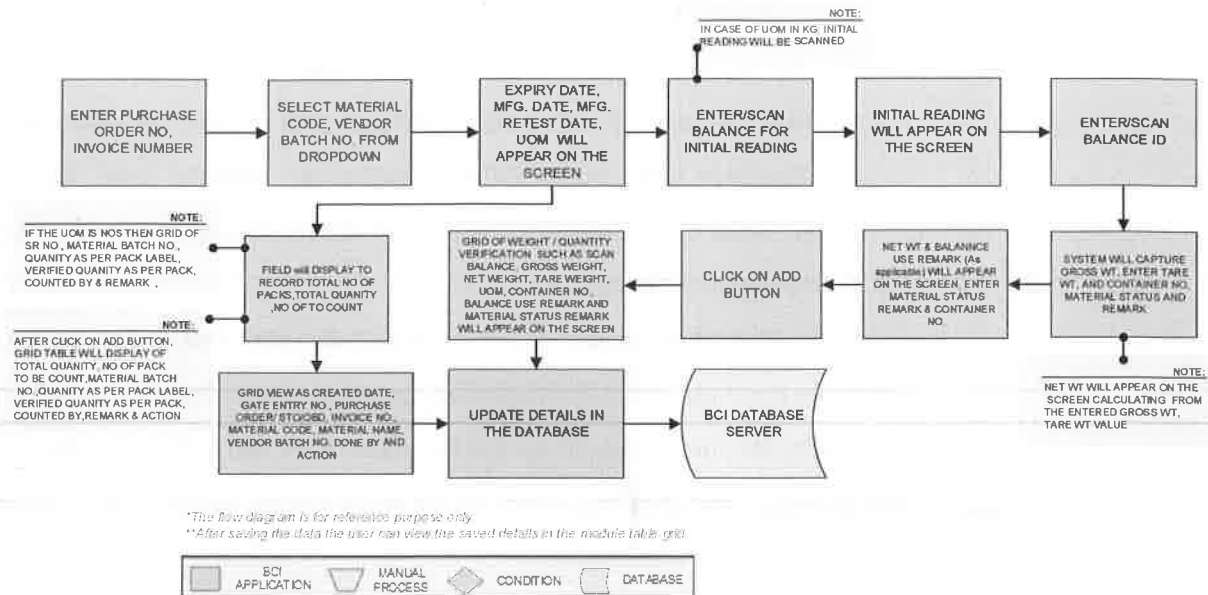


	<p>35. System will allow to reject the Material inspection activity if the weight/Quantity verification deleted.</p> <p>36. For the raw materials, manufacturing date was compulsory.</p> <p>37. By using the search field user can able to search created date, Gate entry no, Purchase order no./OBD/STO, Invoice No, Material code, Material Name, Done By and status from the grid after putting of required data.</p> <p>38. By clicking on filter option</p> <p>Select the status from dropdown i.e. Accepted, On Hold, Rejected, In progress.</p> <p>Enter the Purchase Order No/OBD/STO. By select sort by from drop down i.e. Gate Entry No, Invoice No, LR No and Purchase Order No/ STO. Select Asc from dropdown i.e. Asc and Desc. Then click on apply button. By using clear bottom, user can go to the main screen.</p>
--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Post-Conditions</b>	1. Material inspection will be completed.
------------------------	-------------------------------------------

<b>Validations</b>	<p>1. An alert should be displayed in case invalid Gate Entry No is scanned.</p> <p>2. An alert should be displayed in case duplicate/ invalid Purchase Order/STO/OBD is selected.</p>
--------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## 5.4 WEIGHT/ QUANTITY VERIFICATION



### Activities

<b>Module Description</b>	In this module, the Weight/Quantity verification of the material will be carried out
<b>Pre-Conditions</b>	<ol style="list-style-type: none"> <li>1. Material Inspection should be completed.</li> <li>2. Before Weight verification Weighing Balance should be calibrated.</li> </ol>
<b>Process Steps</b>	<ol style="list-style-type: none"> <li>1. User will login into Application then click on add button.</li> <li>2. Enter Purchase Order No/STO/OBD, Invoice Number.</li> <li>3. Select Material Code, Vendor Batch No. from dropdown.</li> <li>4. Expiry Date, Mfg. Date, Mfg. Retest Date, UOM of the selected material will appear on the screen.</li> <li>5. Based on UOM, table grid will be displayed on the screen for verification.</li> <li>6. In case of UOM in KG: - Enter/Scan Balance for Initial reading.</li> <li>7. Initial reading will appear on the screen.</li> <li>8. Enter/Scan balance Id.</li> <li>9. Enter/scan the weighing balance for capture of gross weight then enter Tare Weight, net weight auto calculates by system and then enter Container No,</li> </ol>

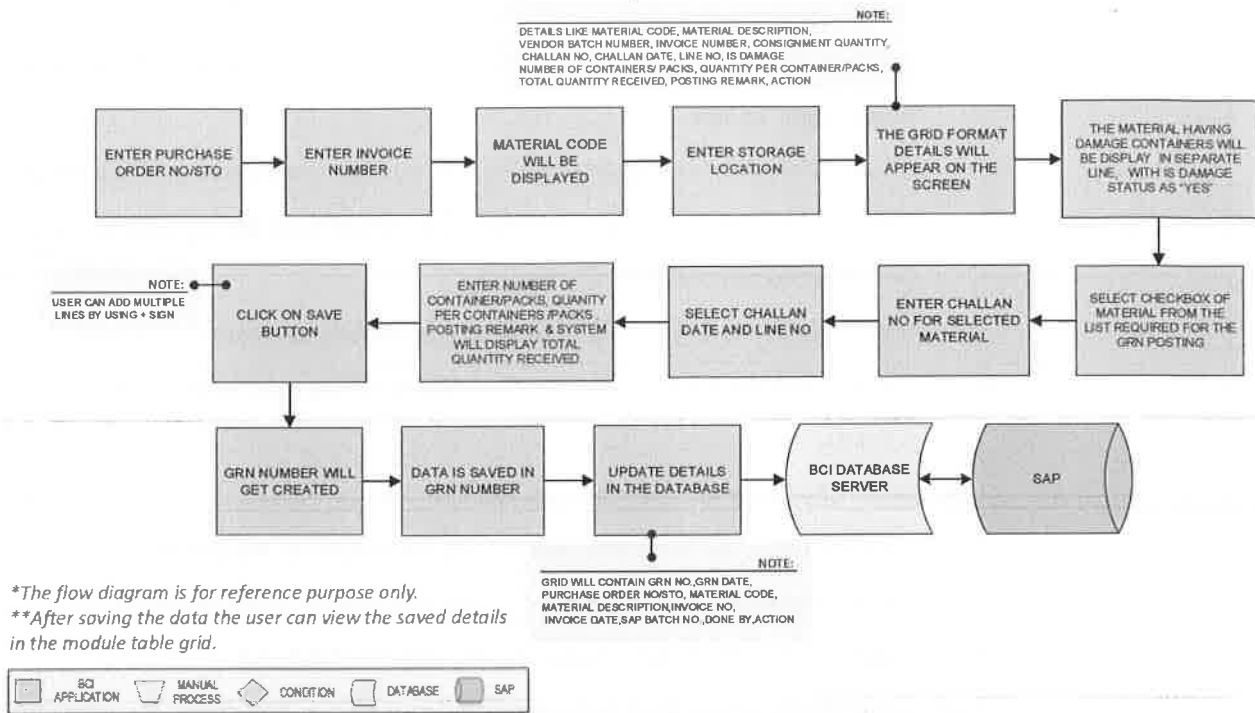
	<p>Material Status Remark and balance use remarks compulsory if use in manual mode.</p> <p>10. Click on Add button.</p> <p>11. Grid of weight / Quantity verification (if the UOM in KG) such as Scan Balance, Gross weight, Net weight, Tare weight, UOM, Container No, Material Status Remark, Balance use remark and action will appear on the screen.</p> <p>12. If the UOM is NOS then open the screen weight/quantity verification, enter the total no of pack, total quantity, no. of pack to be count and in grid as Sr. No. Material Batch No, quantity as per pack label, verified quantity as per pack, counted and remark by will be display.</p> <p>13. Material Batch no auto displays as per material inspection details then enter the quantity as per pack label, enter the Verified quantity as per pack, counted by auto reflect as per login and enter Remark in remark column.</p> <p>14. Click the add button, details will get saved in database and display in grid view.</p> <p>15. Grid will appear total quantity, no of pack to be count, material batch no., quantity as per pack label, verified quantity as per pack, counted by, remark and action.</p> <p>16. In action column, through delete symbol, we can delete the quantity verification details. Click on back button, details will display the main grid screen.</p> <p>17. The Grid view display as Created date, Gate entry no, Purchase order/ STO/OBD, invoice no, Material code, Material name, Vendor batch no, done by and action.</p> <p>18. If required of deletion, click on action button entry details will be appear.</p> <p>19. User will be able to delete the entry details after click on the delete button with appropriate remark.</p> <p>20. Clicking on the back button user will back to the grid view</p> <p>21. Authorized user can able to add new (Perform) weight/quantity verification data by selecting the edit button.</p>
--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	<ul style="list-style-type: none"> <li>If the weight/quantity verification of any material/vendor batch no. not done then system will not display the material for the GRN posting.</li> </ul>
	<p>22. By using the search field user can able to search created date, gate entry no., Purchase Order No/OBD/STO, Invoice No, Material code, Material Name, Vendor Batch No and Done By data from the grid after putting of required data.</p>
	<p>23. By clicking on filter option</p> <p>Enter Purchase Order No/OBD/STO. Select Material code from dropdown. Select sort by from dropdown i.e. Invoice No, Material code, Purchase Order No/STO, Vendor Batch No. Select Asc from dropdown i.e. Asc and Desc. Then click on apply button. By using clear bottom, user can go to the main screen.</p>

<b>Post-Conditions</b>	1. Weight/Quantity verification Capture details get in displayed.
------------------------	-------------------------------------------------------------------

<b>Validations</b>	<ol style="list-style-type: none"> <li>An alert should be displayed in case duplicate/invalid Purchase Order is entered.</li> <li>An alert should be displayed in case duplicate/invalid Invoice Number is selected.</li> <li>An alert should be displayed in case of Initial reading will not set to zero (There will be no alert message incase offline balance use).</li> </ol>
--------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## 5.5 GRN POSTING



### Activities

<b>Module Description</b>	In this module the inspected material data and Consignment quantity details will submitted to SAP after GRN posting.
---------------------------	----------------------------------------------------------------------------------------------------------------------

<b>Pre-Conditions</b>	Weight /Quantity verification of the materials should be completed
-----------------------	--------------------------------------------------------------------

<b>Process Steps</b>	<ol style="list-style-type: none"> <li>1. User will login into Application then click on add button.</li> <li>2. Enter Purchase Order/STO/OBD.</li> <li>3. Enter Invoice Number.</li> <li>4. Material will be displayed.</li> <li>5. Enter Storage Location.</li> <li>6. After selection of the material a grid format of Material Code, Material Description, Vendor Batch Number, Invoice Number, Consignment Quantity, Challan No, Challan Date, Line No, Is Damage, Number of Containers/ Packs, Quantity per Container/Packs, Total Quantity Received, Posting Remark, Action will appear on the screen.</li> </ol>
----------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

7. If material having damage status, containers will be displayed in separate line, as mentioned in material Inspection section in damage option and updated with Damage Status in remark field which is display in GRN posting "Is damage "as Yes .
8. For the materials having same SAP batch number creation required against different line number as mentioned in PO, in that case during GRN posting same line number selection required.
9. The material labels will be generating sequentially against the SAP batch number and the total consignment quantity will be calculated all same line number.
10. Select checkbox of Material from the list.
11. Material code, material description, vendor batch no. invoice no, consignment Qty. and In Damage status will appear as per material inspection details. Enter Challan No for selected Material.
12. Select Challan Date from calendar and Line No from dropdown for selected Material.
13. Enter Number of Container/Packs, Quantity per Container/Packs, system auto calculates Total Quantity Received, Enter Posting Remark.
14. If one consignment having different pack size, then click on "+" sign available in action column and enter number of containers/packs, Quantity per container/packs, total quantity received, posting remark as per the requirement.
15. Click on save button.
16. GRN number will get created to save the data in SAP.
17. Details will get saved in database and display in grid view.
18. The grid view as GRN NO, GRN Date, Purchase order/STO/OBD, Material code, Material Name, Invoice No, Invoice date, done by and action.
19. By selecting the action button, details of the entry will be display such as GRN no., purchase order/STO no. invoice no., select material, storage location, check box, SAP batch no., material code, material description, vendor batch no., invoice no., consignment Qty., Challan no., Challan date, Line no., Is

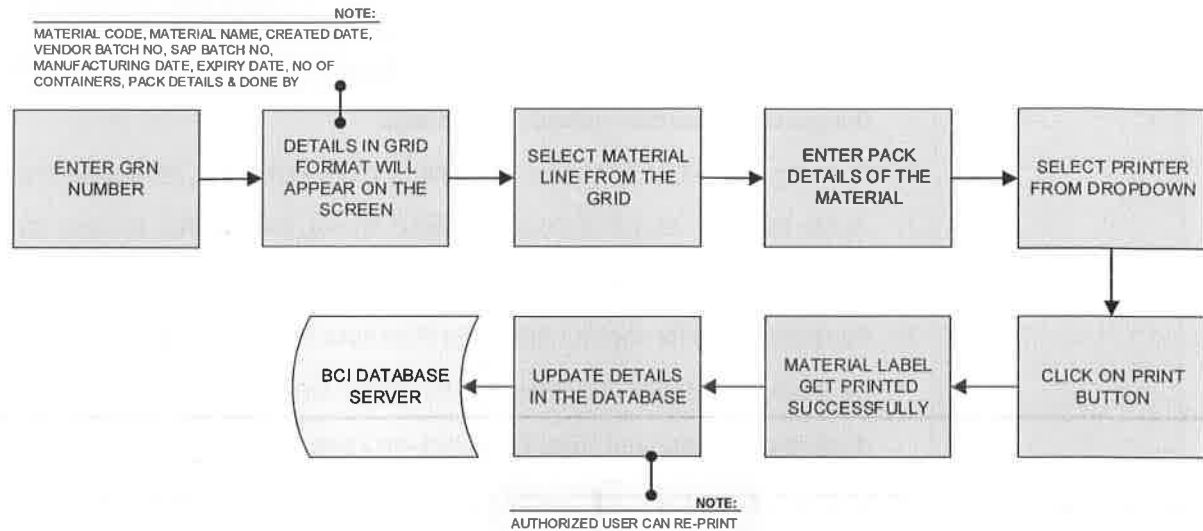
	<p>damage, No. of containers/Packs, Quantity per container/Packs, Total Quantity Received, posting remark.</p> <p>20. Selecting the back/cancel button user can return to the main grid screen from the particular screen without any change.</p> <p>21. By using the search field user can able to search GRN No., GRN date , Purchase Order No/STO, Material Code ,Material Name, Invoice No. Invoice Date and Done By from the grid after putting of required data.</p> <p>22. By clicking on filter option enter the Purchase Order No/OBD/STO. Select sort by from dropdown i.e. GRN No, Purchase Order No/STO. Select Asc from dropdown i.e. Asc and Desc Then click on apply button. By using clear bottom, user can go to the main screen.</p>
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Post-Conditions</b>	<ol style="list-style-type: none"> <li>1. Material details will maintain in SAP against the GRN number.</li> <li>2. Material data details will be receiving from SAP.</li> </ol>
------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Validations</b>	<ol style="list-style-type: none"> <li>1. An alert should be displayed in case duplicate/ invalid Purchase Order/STO/OBD is selected.</li> <li>2. An alert should be displayed in case duplicate/ invalid Invoice Number is selected.</li> <li>3. An alert should be displayed in case of GRN number is not created.</li> </ol>
--------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



## 5.6 MATERIAL LABEL PRINTING



\*The flow diagram is for reference purpose only.

\*\*After saving the data the user can view the saved details in the module table grid.



### Activities

<b>Module Description</b>	The Module will be used to print material label for each container against GRN material details.
---------------------------	--------------------------------------------------------------------------------------------------

<b>Pre-Conditions</b>	1. Material data should be saved in GRN number.
-----------------------	-------------------------------------------------

<b>Process Steps</b>	<ol style="list-style-type: none"> <li>1. User will login into Application.</li> <li>2. Enter GRN number.</li> <li>3. A grid format of Material Code, Material Name, Created Date, Vendor Batch No, SAP Batch No, Manufacturing Date, Expiry Date, and No of Containers, Pack details, done by will appear on the screen.</li> <li>4. -Select checkbox of Material Code from the list.</li> <li>5. Enter Pack Details of the material.</li> <li>6. Select printer from dropdown.</li> <li>7. Click on Print button.</li> <li>8. Material label get printed successfully.</li> <li>9. Data is saved in database.</li> </ol>
----------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------





10. Authorized user can take re-print by selecting the re-print icon, user have to enter the range, comment and select printer.

11. The material label print will be display as below and the data in the label.

Note :- All data will show as per the GRN posting JSON of BCI

MATERIAL LABEL			
Material Code		Inspection Lot No.	
Material Description			
Vendor Code/Name			
Manufacturer Code/Name			
D.C/Inv. No./Date		Pack Size	
SAP Batch No.		Expiry Date	
Mfg. Date		Mfgr. Retest Date	
GRN No./Date		No. Of Containers	
GRN Prepared by / Date		Total Qty. Received	
Mfgr. Batch No.		Bar Code, with Sr. no.	
Printed By/Date			
Ajanta Logo, Name, Location			
Storage Condition			
This label has been generated electronically and is valid without signature			

Mfgr. :- Manufacturer

MATERIAL LABEL	
Material Code	1000338
Product Description	ACTOSE MONOHYDRATE IP (SUPERTAB 750)
Vendor Code / Name	005000006 / SREE RAYALASEEMA
Manufacturer Code / Name	005000003 / ROSHANJAL
D.C. / Lot No. / Date	42 / 29/06/2023
Cap Batch No.	0000014236
Mfg. Date	01/06/2023
GRN No. / Date	5000006945 / 29/06/2023
GRN Prepared by / Date	DD / 29/06/2023
Mfg. Batch No.	Asantab
Prepared By / Date	50029/29/06/2023
 <b>QD Ajanta Pharma Limited GUVAHATI</b>	
STORAGE CONDITION	STORE AT COOL PLACE, N.A./N.A./N.A.
This label has been generated electronically and is valid without signature	
	
0000004165	
INDUCTION LOT NO.	000000020059
PACK SIZE	2516 + 125
EXPIRY DATE	29/05/2026
MFG. RETEST DATE	27/06/2025
NO. OF CONTAINERS	3 OF 3
TOTAL QTY RECEIVED	75 kg

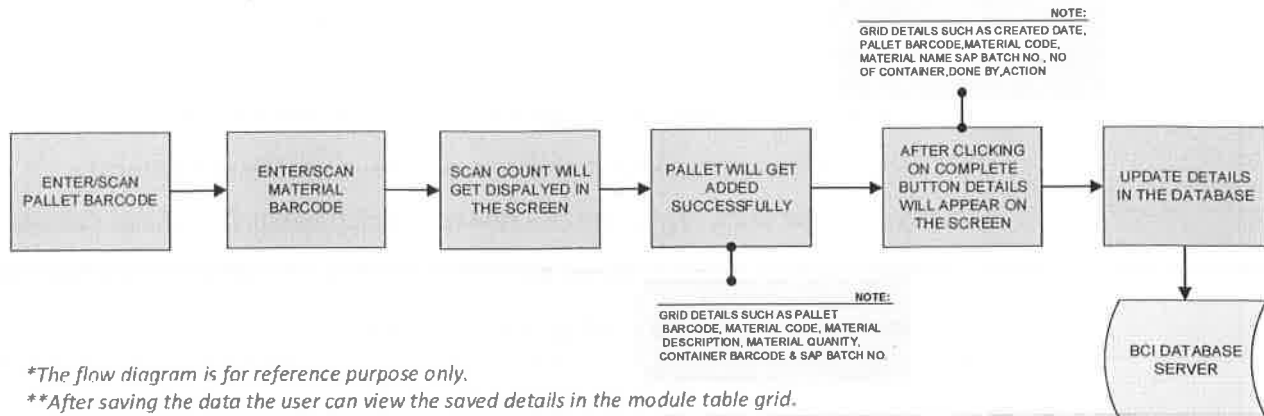
## Post-Conditions

1. Material Label get printed.

## Validations

1. An alert should be displayed in case duplicate/ invalid GRN number is entered.

## 5.7 PALLETIZATION



### Activities

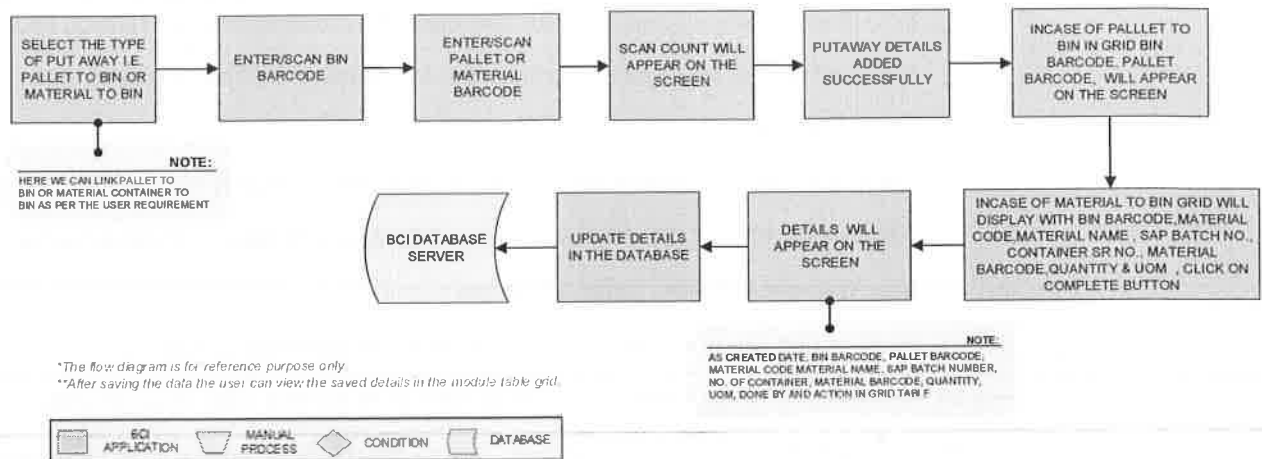
<b>Module Description</b>	This module will be used to map material container with pallets which material will placed on pallet.
<b>Pre-Conditions</b>	1. Printed labels are applied on each container. 2. Pallet should have valid barcode.
<b>Process Steps</b>	1. User will login into Application then click on add button. 2. Enter/Scan Pallet Barcode. 3. Enter/Scan Material Barcode. 4. Scan count will get appear in the screen. 5. Pallet will get added successfully. 6. A grid format of Pallet details such as Pallet Barcode, Material Code, Material Description, Material per container quantity, UOM, Container barcode, SAP Batch No will appear on the screen then click on complete button. 7. Data is saved in database and display in grid. 8. Grid view display as Created date, Pallet bar code, Material code, Material Name, SAP Batch No, No of Container, Done by and action.

	<p>9. Clicking on action button details display such as Pallet Barcode, Material Code, Material Description, Material per container quantity, UOM, Container barcode, SAP Batch No will appear on the screen</p> <p>10. By selecting the back button user can return to the main screen.</p> <p>11. In one pallet user can kept multiple containers as per the requirement.</p> <p>12. By using the search field user can able to search Created date, Pallet Barcode, Material code, Material Name, SAP Batch No, Nos. of containers and Done by data from the grid after putting of required data.</p> <p>13. By clicking on filter option</p> <p>Enter Pallet Barcode. Select Material code from drop down. Select sort by from drop down i.e. Count, Material Code, Pallet Barcode and SAP Batch No. Select Asc from dropdown i.e. Asc and Desc. Then click on apply button. By using clear bottom, user can go to the main screen.</p>
--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Post-Conditions</b>	<p>1. Pallet details are saved in database.</p> <p>2. Pallets are moved for Put away in warehouse.</p>
------------------------	--------------------------------------------------------------------------------------------------------

<b>Validations</b>	<p>1. An alert should be displayed in case duplicate/ invalid Pallet Barcode is entered.</p> <p>2. An alert should be displayed in case duplicate/ invalid Material Barcode is entered.</p>
--------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## 5.8 PUT AWAY



\*The flow diagram is for reference purpose only.  
 \*\*After saving the data the user can view the saved details in the module table grid.

## Activities

<b>Module Description</b>	This module will be used to map Pallets to Bins and Material to Bins.
---------------------------	-----------------------------------------------------------------------

<b>Pre-Conditions</b>	<ol style="list-style-type: none"> <li>1. In case of the Material to bin, all the containers should contain bar code label.</li> <li>2. In case of pallet to bin all pallets should contain bar code label.</li> </ol>
-----------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Process Steps</b>	<ol style="list-style-type: none"> <li>1. User will login into Application then click on add button.</li> <li>2. Select the type of Put Away I.e. Pallet to Bin or Material to Bin.  <i>*Here we can link pallet to Bin or Material Container to Bin as per the user requirement.</i></li> <li>3. Enter/Scan Bin Barcode.</li> <li>4. Enter/Scan Pallet or Material Barcode.</li> <li>5. Scan count will appear on the screen.</li> <li>6. Put away details added successfully.</li> <li>7. A grid format (in case of pallet to bin) of Bin Barcode and Pallet Barcode will appear on the screen then click on complete button.</li> <li>8. In case of the material to bin the grid will contain Bin bar code, material code material name, SAP batch no, Container serial number, material bar code, Quantity and UOM.</li> <li>9. Click on Complete Button.</li> </ol>
----------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

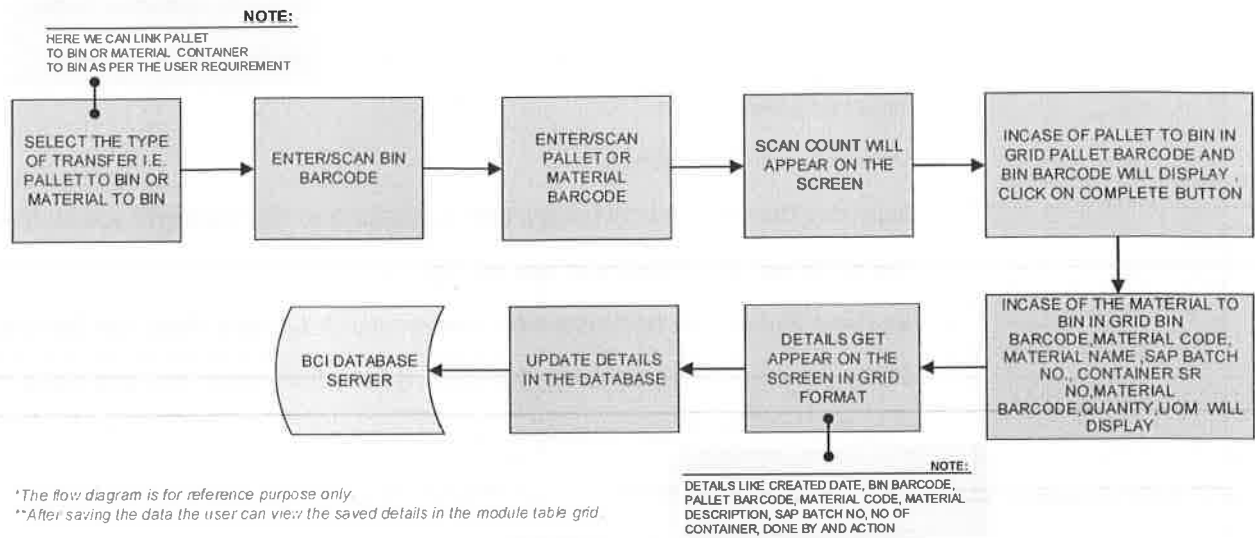
	<p>10. Data is saved in database and details view in grid.</p> <p>11. Grid view display as created date, Bin barcode, Pallet barcode, Material code, Material Name, SAP Batch Number, No. of Container, UOM, Quantity, Done by and Action.</p> <p>12. User can click on action button, entry details will be display such as Bin barcode Material code, Material Name, SAP Batch Number, container serial no., Material Barcode, UOM, Quantity.</p> <p>13. By selecting the back button user can return to the main screen.</p> <p>14. In one Bin multiple containers can be stored as per the user requirement.</p> <p>15. By using the search field user can able to search Created Data, Bin Barcode, Pallet Barcode, Material Code, Material Name, SAP Batch No, Material Barcode and Done By data from the grid after putting of required data.</p> <p>16. By clicking on filter option</p> <p>Enter Pallet Barcode and Material. Select sort by from drop down i.e. Bin Barcode and Pallet Barcode. Select Asc from dropdown i.e. Asc and Desc Then click on apply button. By using clear bottom, user can go to the main screen.</p>
--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Post-Conditions</b>	1. Pallet or Material Put Away is completed.
------------------------	----------------------------------------------

<b>Validations</b>	<p>1. An alert should be displayed in case duplicate/ invalid Bin Barcode is entered.</p> <p>2. An alert should be displayed in case duplicate/ invalid Pallet Barcode is entered.</p> <p>3. An alert should be displayed in case duplicate/ invalid Material Barcode is entered.</p>
--------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



## 5.9 BIN TO BIN TRANSFER



### Activities

<b>Module Description</b>	This module will be used to transfer material or pallet from one bin to other.
<b>Pre-Conditions</b>	1. Material labels are applied on each container /Pallets are placed in the BIN.
<b>Process Steps</b>	<ol style="list-style-type: none"> <li>1. User will login into Application then click on add button.</li> <li>2. Select the type of transfer i.e. Pallet to Bin or Material to Bin.  <i>*Here we can link pallet to Bin or Material Container to Bin as per the user requirement</i></li> <li>3. Enter/Scan Bin Barcode.</li> <li>4. Enter/Scan Pallet or Material Barcode.</li> <li>5. Scan count will appear on the screen.</li> <li>6. A grid format (in case of pallet to bin) of Bin Barcode and Pallet Barcode will appear on the screen.</li> <li>7. Click on Complete Button.</li> <li>8. In case of the material to bin the grid will contain Bin barcode, material code, material description, SAP batch no, Container number and Material Barcode Qty. and UOM.</li> </ol>

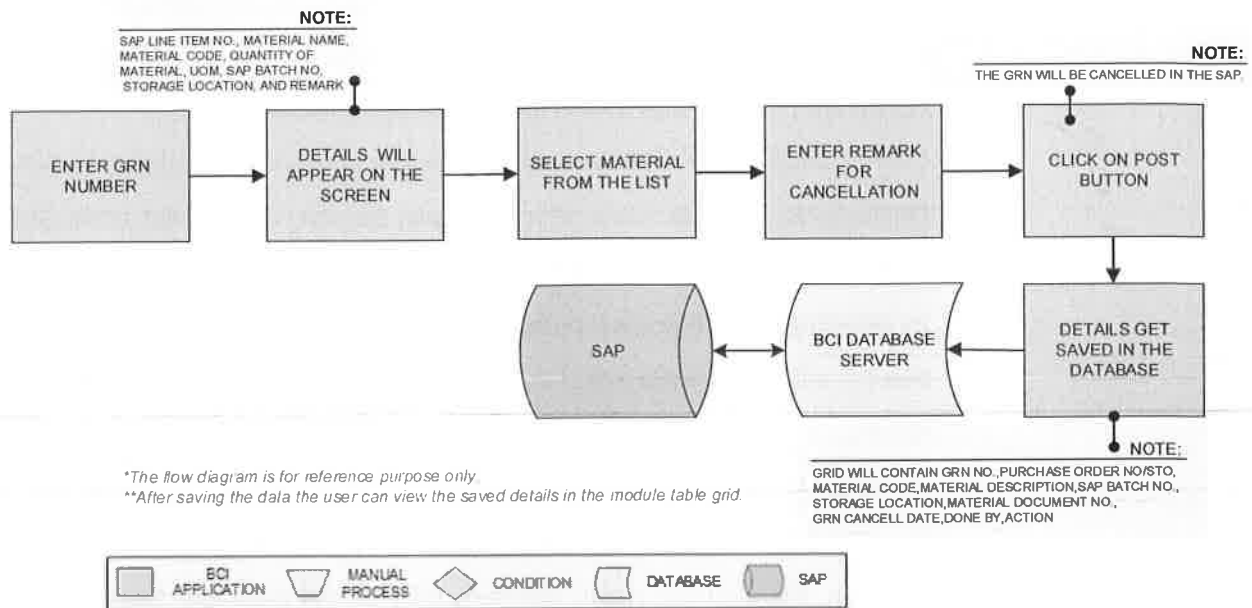
	<p>9. Click on Complete Button.</p> <p>10. A grid format of created date, Bin Barcode, Pallet Barcode, Material Code, Material name, SAP Batch No, No. of Container, done by and Action will appear on the screen.</p> <p>11. Data is saved in database.</p> <p>12. Selecting the back/cancel button user can return to the main grid screen from the particular screen without any change.</p> <p>13. By using the search field user can able to search Created date, Bin Barcode, Pallet Barcode, Material Code, Material Name, SAP Batch No. and done By data from the grid after putting of required data.</p> <p>14. By clicking on filter option</p> <p>Enter Pallet Barcode and Material</p> <p>Select sort by from drop down i.e. Pallet Barcode and Bin Barcode.</p> <p>Select Asc from dropdown i.e. Asc and Desc Then click on apply button. By using clear bottom, user can go to the main screen.</p>
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Post-Conditions</b>	1. Material/ pallets are transferred from one bin to other bin.
------------------------	-----------------------------------------------------------------

<b>Validations</b>	<p>1. An alert should be displayed in case duplicate/ invalid Bin Barcode is entered.</p> <p>2. An alert should be displayed in case duplicate/ invalid Pallet Barcode is entered.</p> <p>3. An alert should be displayed in case duplicate/ invalid Material Barcode is entered.</p> <p>4. Allocated material can only be transferred.</p>
--------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



## 5.10 GRN CANCELLATION



### Activities

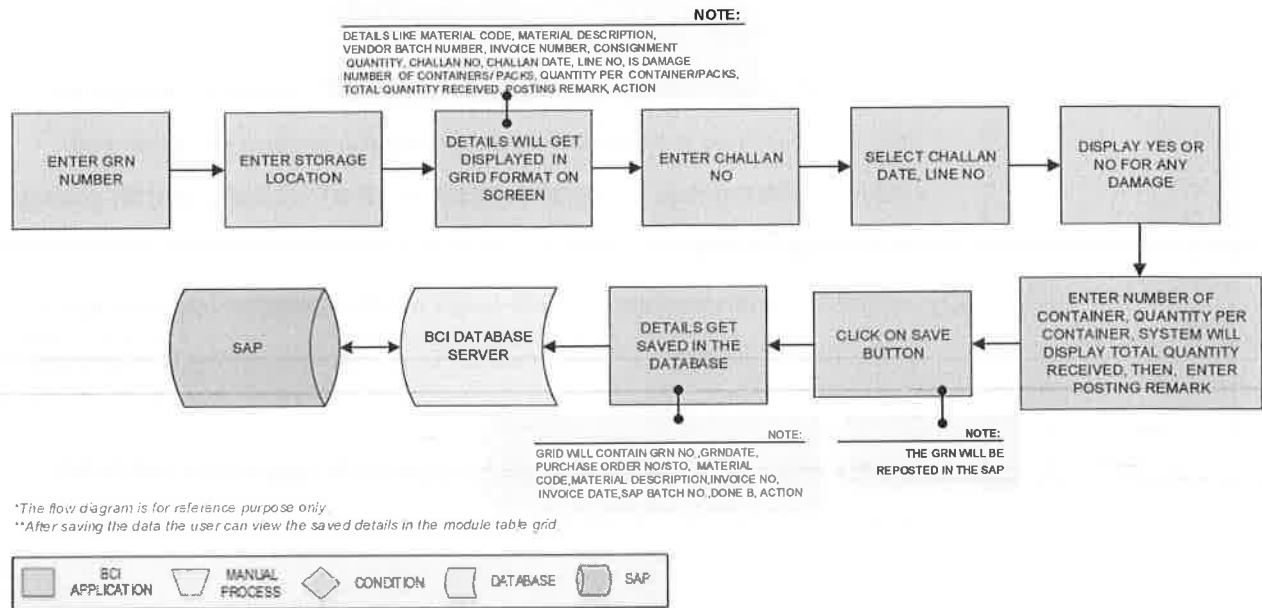
<b>Module Description</b>	This module will be used to cancel the posted GRN.
<b>Pre-Conditions</b>	1. GRN posting is completed.
<b>Process Steps</b>	<ol style="list-style-type: none"> <li>1. User will login into Application then click on add button.</li> <li>2. Enter GRN number. GRN details will be display in the grid.</li> <li>3. A grid displayed as SAP line item No, Material Name, Material Code, Quantity of Material, UOM, SAP Batch No, Storage Location, and Remark will appear on the screen.</li> <li>4. System can cancel individual lines/multiple line of the GRN i.e. selected material GRN cancellation allowed.</li> <li>5. Enter Remark for cancellation of the selected material.</li> <li>6. Click on Post button.</li> <li>7. The GRN will be cancelled in the MobiVue PMMS system details saved in data base and data will be transfer to the SAP vice versa.</li> </ol>

	<ol style="list-style-type: none"> <li>8. Data is saved in database.</li> <li>9. The grid view will be display as GRN number, Purchase Order/STO/OBD, Material code, Material description, SAP batch no, Storage location, Material document number, GRN cancel date, done by and action.</li> <li>10. Click on action button GRN cancellation details grid will be displayed as SAP line item No, Material Name, Material Code, Quantity of Material, UOM, SAP Batch No, Storage Location, and Remark.</li> <li>11. By selecting the back/cancel button user can return to the main screen.</li> <li>12. System will not allow to cancel the GRN once the material released in the system.</li> <li>13. By using the search field user can able to search GRN No., Purchase Order No./OBD/STO, Material code, Material Description, SAP Batch No, Storage Location, Material Document Number, GRN Cancel Date and Done By data from the grid after putting of required data.</li> <li>14. By clicking on filter option Enter Purchase Order No/OBD/STO. Select sort by from drop down i.e. GRN No and Purchase Order No/STO. Select Asc from dropdown i.e. Asc and Desc Then click on apply button. By using clear bottom, user can go to the main screen.</li> </ol>
--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Post-Conditions</b>	<ol style="list-style-type: none"> <li>1. GRN Posting is cancelled.</li> <li>2. System should allow to edit Gate entry, Vehicle inspection, and Material Inspection and Weight/ Quantity verification after GRN cancellation.</li> <li>3. System should allow to delete/cancel/Reject of weight / Quantity verification, Material inspection , vehicle inspection and Gate entry</li> <li>4. Quantity of the materials against the cancelled GRN will be removed from the SAP &amp; BCI stock i.e. if the material was stored in pallet &amp; Bin then the entry will be auto deleted from the system.</li> </ol> <p>Note: Cancelled GRN details should be displayed at any time as per the user requirement.</p>
------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>Validations</b>	<ol style="list-style-type: none"> <li>1. An alert should be displayed in case duplicate/ invalid GRN No is entered.</li> </ol>
--------------------	---------------------------------------------------------------------------------------------------------------------------------

## 5.11 GRN REPOSTING



\*The flow diagram is for reference purpose only.

\*\*After saving the data the user can view the saved details in the module table grid.

### Activities

<b>Module Description</b>	This module will be used to reposting the cancelled GRN.
<b>Pre-Conditions</b>	1. GRN No should be available.
<b>Process Steps</b>	<ol style="list-style-type: none"> <li>1. User will login into Application then click on add button.</li> <li>2. Enter GRN number.</li> <li>3. Enter Storage Location.</li> <li>4. A grid format of Material Code, Material Description, Manufacturing Batch No, Invoice Number, Consignment Quantity and damage status will be displayed on the screen.</li> <li>5. Enter Challan No in the grid.</li> <li>6. Select Challan Date from calendar and line no from dropdown.</li> <li>7. Enter Number of Container, Quantity per Container, Total Quantity Received, Posting Remark.</li> <li>8. System should provide "+" sign option to add different pack details materials as per the user requirement.</li> </ol>

9. Click on save button.
10. The GRN will be re-posted in the MobiVue PMMS system details saved in data base and data will be transfer to the SAP.
11. If material having damage status, containers will be displayed in separate line, as mentioned in material Inspection section in damage option and updated with Damage Status in remark field which is display in GRN posting "Is damage "as Yes .
12. For the materials having same SAP batch number creation required against different line number as mentioned in PO, in that case during GRN posting same line number selection required.
13. The material labels will be generating sequentially against the SAP batch number and the total consignment quantity will be calculated all same line number.
14. User can proceed further for the material label printing by using the sub module material label printing, Palletization, Put away.
15. The grid view will be display as GRN number, GRN date, Purchase Order/STO/OBD, Material code, Material description, invoice number, Invoice date, done by and action.
16. Click on action button screen will be display as GRN No, storage location, Purchase Order/STO/OBD, invoice no. and in grid SAP Batch No, Material code, Material Description, Manufacturing Batch Number, Invoice Number, consignment Quantity, Challan No. Challan date, line no, Is damage, Number of container, quantity per container, Total quantity received, Posting Remark.
17. By selecting the back/cancel button user can return to the main screen.
18. System should allow to re-posting all the cancelled GRN as per the user requirement after edit the Gate entry, vehicle inspection, material inspection and weight/quantity verification as the user requirement.
19. But in case of the cancel/reject/delete of any entry i.e. gate entry, vehicle inspection, material inspection the system will not allow to re-post the GRN.
20. By using the search field user can able to search GRN No., GRN date, Purchase Order No/STO ,material Code ,Material Name, Invoice No., Invoice Date and Done By data from the grid after putting of required data.

	<p>21. By clicking on filter option enter purchase order no/OBD/STO.</p> <p>Select sort by from dropdown i.e. GRN No and Purchase Order No/STO.</p> <p>Select Asc from dropdown i.e. Asc and Desc Then click on apply button. By using clear bottom, user can go to the main screen.</p>
<b>Post-Conditions</b>	<ol style="list-style-type: none"><li>1. GRN is reposted.</li><li>2. Details of the materials will be updated in BCI system and SAP.</li></ol>
<b>Validations</b>	<ol style="list-style-type: none"><li>1. An alert should be displayed in case duplicate/ invalid GRN No is entered.</li><li>2. An alert should be displayed in case duplicate/ invalid Storage Location is entered</li></ol>

