

TRUSTY OPERATING SYSTEM

Scope of Work

The outlined scope of work entails the development of an External System to support Trusty business operations. Our tasks are categorized into P1, P2, and P3, comprising interrelated systems. Each system's objectives are defined in this document to clarify the required output for the project team. This scope aims to ensure the effective implementation and operation of the backend system, aligning with the provided PRP and project objectives.

1. P1 System

- The system enables the team to assist in order fulfillment operations.
- Retrieve data from WooCommerce to identify orders requiring dispatch and reservation.
- Update the order status on WooCommerce after identifying order types.
- Create a system supporting the Packing team in identifying orders for picking..

2. P2 System

- Categorize orders by factory to generate purchase orders for each brand.
- Utilize date filters to consolidate order counts grouped by product name.
- Implement a PO Management system to streamline our factory orders.
- Develop a system to manage the delivery status of purchase orders.
- Create a subsidiary module for managing Scheduled POs with Alert Functionality.

3. P3 System

- On Hold orders will be managed here with this system implementation
- The team will use the system to upload the inwarded details in the warehouse
- System will run the query based on this inward details to identify the order pending for these available quantity of orders
- Push the pending orders details to P1 environment

4. API Development

The effectiveness of this system hinges upon the successful implementation of the API connecting Woo Commerce and the React App system. Two distinct methods, Push and Pull, will be employed based on the specific operational requirements of each system.

5. User Management

Develop a proper and Secured user management system for the proper running of the environment. The system should help us to restrict the users permission to each system and give only the required environment to operate.

P1 SYSTEM

The implementation of the P1 system aims to improve order fulfillment within the existing operational framework, which currently relies heavily on manual processes. By automating order tracking and reducing manual intervention, the P1 system empowers the packing team to operate more efficiently and cost-effectively. Additionally, it streamlines internal processes, leading to reduced organizational process times.

1.IDENTIFYING THE ORDERS STATUS IN SYSTEM

Understand the different type of orders processed in our system and how we separate each orders for processing

ORDER ID	ITEM NAME	QTY ORDERED	SHIPPING COUNTRY	STOCK STATUS	ORDER STATUS
1234	PRODUCT A	3	UAE	IN STOCK	ON HOLD
1234	PRODUCT B	2	UAE	PRE ORDER	
1234	PRODUCT C	4	UAE	PRE ORDER	
ORDER ID	ITEM NAME	QTY ORDERED	SHIPPING COUNTRY	STOCK STATUS	ORDER STATUS
1235	PRODUCT A	1	UAE	IN STOCK	COMPLETED
1235	PRODUCT B	1	UAE	IN STOCK	
1235	PRODUCT C	1	UAE	IN STOCK	
ORDER ID	ITEM NAME	QTY ORDERED	SHIPPING COUNTRY	STOCK STATUS	ORDER STATUS
1236	PRODUCT A	2	QATAR	IN STOCK	COMPLETED
1236	PRODUCT B	1	QATAR	IN STOCK	
ORDER ID	ITEM NAME	QTY ORDERED	SHIPPING COUNTRY	STOCK STATUS	ORDER STATUS
1236	PRODUCT A	2	QATAR	PRE - ORDER	ON HOLD
1236	PRODUCT B	1	QATAR	PRE - ORDER	

In our system we have 3 different status for all the orders which is as follows and each has certain condition to be being in this system

- Processing
- On-hold
- Completed

Order Status	Condition
Processing	Order With payment status successful passed from the payment platform
On Hold	The item stock status of the any item in the order ID is Pre-order(Negative value) Then the order is onhold
Completed	All the items in a order is dispatched then the order status can be changed to Completed

2.P1-DISPATCH , P1-RESERVE AND P2

In the P1 system we have two process needs to followed in each scenario based on Shipping country and Inventory status.Primary these process is divided into 2 as follow

P1 - Dispatch

P1 - Reserve

P2 - Order Management System (OMS)

We differentiate the P1 - Dispatch,P1 Reserve,P2 based on the below condition

Status	Condition
P1 DISPATCH	One Item in Order ID is eligible for P1 Dispatch When the Shipping Country = UAE and Stock status is Instock.
P1 RESERVE	One Item in Order ID is eligible for P1 Reserve When the Shipping Country ≠ UAE and Stock status is Instock.
P2	Any item in Order ID with Inventory status = <0

Check the below orders with details for identifying the different order process on basis of P1-DISPATCH,P1-RESERVE,P2

SHIPPING COUNTRY = UAE

ORDER ID	ITEM NAME	QTY ORDERED	SHIPPING COUNTRY	STOCK STATUS	ORDER STATUS
1234	PRODUCT A	3	UAE	IN STOCK	P1 DISPATCH
1234	PRODUCT B	2	UAE	PRE ORDER	P2
1234	PRODUCT C	4	UAE	PRE ORDER	P2

SHIPPING COUNTRY = UAE

ORDER ID	ITEM NAME	QTY ORDERED	SHIPPING COUNTRY	STOCK STATUS	ORDER STATUS
1235	PRODUCT A	1	UAE	IN STOCK	P1 DISPATCH
1235	PRODUCT B	1	UAE	IN STOCK	P1 DISPATCH
1235	PRODUCT C	1	UAE	IN STOCK	P1 DISPATCH

SHIPPING COUNTRY = QATAR

ORDER ID	ITEM NAME	QTY ORDERED	SHIPPING COUNTRY	STOCK STATUS	ORDER STATUS
1236	PRODUCT A	2	QATAR	IN STOCK	P1 DISPATCH
1236	PRODUCT B	1	QATAR	IN STOCK	P1 DISPATCH

SHIPPING COUNTRY = QATAR

ORDER ID	ITEM NAME	QTY ORDERED	SHIPPING COUNTRY	STOCK STATUS	ORDER STATUS
1235	PRODUCT A	1	QATAR	IN STOCK	P1 RESERVE
1235	PRODUCT B	1	QATAR	PRE - ORDER	P2
1235	PRODUCT C	1	QATAR	PRE - ORDER	P2

Functional Requirement of P1 System (Order Fulfillment System) - PART 1

The system will be structured to facilitate individual user accounts, ensuring that each user can operate the system within their own account. This approach aims to leverage technology to enhance the order processing methods.

Order Fulfillment System

Order ID:

Date Filter:

dd/mm/yyyy

Dispatch Type:

All

Search

Date	Order ID	Customer Name	Shipping Country	Dispatch Type	View Items
2024-04-25	001	John Doe	Saudi Arabia	Dispatch	<div>View</div>
2024-04-26	002	Jane Smith	Kuwait	Reserve	<div>View</div>
2024-04-27	003	Alice Johnson	Qatar	Dispatch	<div>View</div>
2024-04-28	004	Bob Williams	Bahrain	Reserve	<div>View</div>
2024-04-29	005	Emma Brown	Oman	Dispatch	<div>View</div>
2024-04-30	006	Michael Lee	Saudi Arabia	Reserve	<div>View</div>
2024-05-01	007	Sophia Garcia	Kuwait	Dispatch	<div>View</div>
2024-05-02	008	David Brown	Saudi Arabia	Dispatch	<div>View</div>
2024-05-03	009	Emily Wilson	Kuwait	Reserve	<div>View</div>
2024-05-04	010	James Anderson	Qatar	Dispatch	<div>View</div>
2024-05-05	011	Olivia Taylor	Bahrain	Reserve	<div>View</div>
2024-05-06	012	William Martinez	Oman	Dispatch	<div>View</div>
2024-05-07	013	Isabella Adams	Saudi Arabia	Reserve	<div>View</div>

- OFS dashboard will be showing all the orders from system with P1-Dispatch and P1-Reserve status order detail in a table
- It should have the option to search the orders with Order ID,Date Filter and Dispatch Type Filter with Values - Dispatch and Reserve
- The Table should have the column wise data like Order ID,Order date,Customer Name,Shipping country,Dispatch Type,View icon
- All the Dispatch item should be highlighted with Light green color
- All the reserve item in yellow color
- Sort the Order list based on Dispatch type of orders should come on top order list and Reserve orders in bottom way
- All orders should be sorted in Ascending order (Based on Order created)
- Post the fulfillment of the order the item should be removed from the list
- User account detail also needs to be shown in the top right side

Functional Requirement of P1 System (Order Fulfillment System) - PART 2

The second section of the Order Fulfillment System interface will display essential order preparation details. Items meeting the criteria of either P1 Dispatch or P1 Reserve will be listed here. This page will be accessed when users click on the "View" option in Part 1 of the OFS, corresponding to the Order ID list.




ORDER ID - 007

Start

Shipping Address

Address	City	Country
123 Main St	Cityville	Countryland

Order Details

Name	Variant Details	Image	Qty
Product A	Color: Blue, Size: Large	 Product A Image	2
Product B	Color: Red, Size: Medium	 Product B Image	1
Product C	Color: Green, Size: Small	 Product C Image	3

Attach

Finish

- The Order detail Page only shows the item details which meet the criteria of P1 - Dispatch or P1 - Reserve.

For eg:

ORDER ID	ITEM NAME	QTY ORDERED	SHIPPING COUNTRY	STOCK STATUS	ORDER STATUS
1235	PRODUCT A	1	QATAR	IN STOCK	P1 RESERVE
1235	PRODUCT B	1	QATAR	PRE - ORDER	P2
1235	PRODUCT C	1	QATAR	PRE - ORDER	P2

In the above Order ID - 1235 ,Product A is only meeting the Condition of P1 Reserve.In this case in this page under the Order ID - 1235 the item “Product A” details will populate.Other items will come when they meet criteria from the OMS system.

ORDER ID	ITEM NAME	QTY ORDERED	SHIPPING COUNTRY	STOCK STATUS	ORDER STATUS
1236	PRODUCT A	2	QATAR	IN STOCK	P1 DISPATCH
1236	PRODUCT B	1	QATAR	IN STOCK	P1 DISPATCH

In the above Order ID - 1236 ,Product A and Product B is meeting the Condition of P1 Dispatch.In this case in this page under the Order ID - 1236 the item “Product A” and “Product B” details will populate.

- The Page has 3 section mainly as follows

Shipping Address - Show the Shipping address of the Order with customer Name and Contact number as well.**Needs to have “Print” button only to print it in A5 template**

Order details - This table shows the order item details like **Product Name,Variant details like Color Size,Image,Qty,Dispatch Type**

Customer Note - Show the customer Note from the order,Like special instruction or birthday image (Please note it’s not shown in html page design attached)

- The “Start” button in the top right is used to notify the system the logged user is started making these orders. The system should restrict other users on working this order from another user ID.
- The image size should be a big size to see it more clearly for the user to see it properly. **At least 350X350 Pixel size.**
- There should be one option to attach the file. Able to upload from camera and file from system.
- Based on order line item there should be option for attachment as well. **if 2 item then 2 item for the attachment. 2 attachment should be mandatory**
- Attachment should be mandatory before Finishing task
- Based on Finish capture one data point “Packed Date and Time”

Reserve Item Handling Logic

For Reserve item orders, we must employ the following procedures to ensure proper delivery to the customer. The Reserve concept entails that if an order requires shipping to another country and contains three items, but only one item is available at the time of order placement, we will reserve the available item in our warehouse. Subsequently, we will await the arrival of the remaining two items and deliver all items together. See the below example to see how we handle it.

ORDER ID	ITEM NAME	QTY ORDERED	SHIPPING COUNTRY	STOCK STATUS	ORDER STATUS
1235	PRODUCT A	1	QATAR	IN STOCK	P1 RESERVE
1235	PRODUCT B	1	QATAR	PRE ORDER	P2
1235	PRODUCT C	1	QATAR	PRE ORDER	P2

1. Suppose the above Order ID - 1235 is placed on 01-04-2024 and then in OFS order detail system only one item will appear for Reserve purpose which is “Product A”. The user will keep it in the warehouse and will wait for the remaining item to dispatch.

2. On 10-04-2024 item “Product B” has arrived in warehouse and then in OFS system only one item will appear for Reserve purpose. So now out of 3 items 2 items received and reserved accordingly. Waiting for one more item and delivery to qatar.

3. On 14-04-2024 item "Product C" was received in warehouse and then in OFS system order details page "Product C" + Previously reserved items Product A and Product B should also come. Since all the items for the order received then we should dispatch it all together.

In summary, upon receipt of the last item for a Reserved order, the system should display the details of all previously reserved items on the order detail page to ensure that all items are delivered together without omission.

P2 SYSTEM

The P2 system (Order Management System) revolutionizes pre-order management by eliminating manual processes and introducing automation. It effectively identifies items that are unavailable within orders, categorizes them based on their respective factories, and facilitates the creation of a consolidated purchase order for these items. Comprising four integral sections, this system offers a comprehensive solution to enhance organizational efficiency and streamline procurement procedures. The system consists of four sections in total

- Order creation/consolidation Page
- PO Management system
- PO Detail Page
- Scheduled PO creation page

1. Order creation/consolidation Page



This serves as the primary component within the OMS Module. We're designing a page that provides end users with a consolidated view of order details, enabling them to raise a single purchase order against the relevant factories. The system will meticulously analyze the quantity details of all orders for each product and organize them based on product categories. Users will have the seamless capability to generate a purchase order for each factory as needed.

Page Draft Design

Order Management System

Date Filter: Factory Filter:

Products

Product Name	Image	Quantity	Order Status	PO Number	Select
Product 6		35	Not ordered		<input type="checkbox"/>
Product 7		40	Not ordered		<input type="checkbox"/>
Product 8		45	Not ordered		<input type="checkbox"/>
Product 9		50	Not ordered		<input type="checkbox"/>
Product 10		55	Not ordered		<input type="checkbox"/>

Functional Requirement of P2 System (Order Management System) - PART 1

- Design the data population based on the filters like Date and Factory Filters
- Date filter should be working on the order created date
- The order count should be shown based on the items in an order with negative inventory status(Pre - Order).For eg-

ORDER ID	ITEM NAME	QTY ORDERED	STOCK STATUS	ORDER STATUS	PO NUMBER	FACTORY NAME
1235	PRODUCT A	1	IN STOCK			
1235	PRODUCT B	1	PRE ORDER	NOT ORDERED		
1235	PRODUCT C	1	PRE ORDER	NOT ORDERED		

In thS Order id “1235” for this Module we will only consider items “PRODUCT B” and “PRODUCT C”

- The table should have details like Product Name, Variant ,Image .Quantity,Select box
- Image Population for this table will be based on the factory image which will be stored in React app server
- PO only can be raised against factory.Which means the items in the raised PO should all match with the factory details of the item.For eg: ITEM A,B,C belong to Factory A then the system should not allow to raise a PO with ITEM D Which doesn't match the Factory condition.
- Select All option to select the items need to be pushed for the PO creation
- Create PO button to Generate the PO

Important Points Needs to consider Here

- We need to store the Purchase Order Number and Ordered Status corresponding to the ORDER ID and individual line items of products. This data storage will provide insights into the number of items ordered for a specific ORDER ID, such as 12345.

For eg: See the sample DB need to design for the above mentioned Logic

ORDER ID	ITEM NAME	QTY ORDERED	STOCK STATUS	ORDER STATUS	PO NUMBER	FACTORY NAME
1235	PRODUCT A	1	IN STOCK			
1235	PRODUCT B	1	PRE ORDER	ORDERED	PO-001	ABC FACTORY
1235	PRODUCT C	1	PRE ORDER	ORDERED	PO-001	ABC FACTORY

ORDER ID	ITEM NAME	QTY ORDERED	STOCK STATUS	ORDER STATUS	PO NUMBER	FACTORY NAME
1236	PRODUCT A	2	IN STOCK			
1236	PRODUCT F	1	PRE ORDER	ORDERED	PO-002	XYZ FACTORY
ORDER ID	ITEM NAME	QTY ORDERED	STOCK STATUS	ORDER STATUS	PO NUMBER	FACTORY NAME
1237	PRODUCT G	2	PRE - ORDER	ORDERED	PO-003	123 FACTORY
1237	PRODUCT B	1	PRE - ORDER	NOT ORDERED		

Post creating the PO details and Ordered status it needs to be updated against the Each line items in an order as mentioned above.

If one PO is canceled then it needs to be reverted in the DB as well based on the order ID and items we considered.

- Design the system in a way that it should understand that against which Order ID we have placed orders and which are not ordered to avoid duplicate order count
- Group By functionality of the Product should be more specified by the Item variant details as well

2. PO Management system

This section is pivotal for effective PO management within our system. It functions as the centralized dashboard, providing a comprehensive overview of all purchase orders raised by our team. Users can access this dashboard to gain insights into the status of each PO, enabling them to monitor progress and promptly take necessary actions as required. Whether it's reviewing pending orders, confirming deliveries, or addressing any issues that may arise, this dashboard offers a robust platform for seamless PO management.

Page Draft Design

PO Management System								
Date Filter: <input type="text" value="dd/mm/yyyy"/>		PO Status Filter: <input type="text" value="All"/>		Factory Filter: <input type="text" value="All"/>				
PO Number	Date Created	Total Quantity	Estimated Cost (RMB)	Estimated Cost (AED)	Status	Payment Status	Factory	View
PO001	2024-04-22	100	500	150	Open	Paid	Factory A	Show order details
PO002	2024-04-23	200	1000	300	Checking with factory	Not Paid	Factory B	Show order details
PO003	2024-04-24	150	750	225	Closed	Paid	Factory C	Show order details
PO004	2024-04-25	120	600	180	Open	Not Paid	Factory A	Show order details
PO005	2024-04-26	90	450	135	Checking with factory	Paid	Factory A	Show order details
PO006	2024-04-27	80	400	120	Open	Paid	Factory B	Show order details
PO007	2024-04-28	110	550	165	Checking with factory	Not Paid	Factory B	Show order details
PO008	2024-04-29	130	650	195	Open	Not Paid	Factory C	Show order details

Functional Requirement of P2 System (Order Management System) - PART 2

- Design the PO details populate in the dashboard based on the Date filter, PO status filter and Factory Filter
- Need 2 window in this Management with one section for Normal PO and Scheduled PO
- Develop an PO details table with PO Number, Date created, Total Quantity, Estimated Cost (RMB), Estimated Cost (AED), Status, Payment Status, Factory, Action (**View, Edit, Cancel**), Download
- For the "Estimated Cost (AED)" section, you need to fetch formulas for the calculation from Google Finance Api.
- For the "Estimated Cost (RMB)" section the value can be fetched from the Product Master we are keeping in our React app Server.
- Against Each PO there should be provision to Download it in PDF and excel. Ideally it should contain, Product Image, Quantity, Variant details
- All PO raised newly should have default value as "Open" status and "Not Paid" in payment status

Important Points Needs to consider Here

- Need to have one option to create a Manual PO option as well. The details in Manual PO will not be generated against any order ID but it's for the additional Requirement of the shop. It also should have functionality to choose factory and to select all the products under the factory.
- Technically there will be 3 types of PO.
 - PO raised against Orders
 - Manual PO with normal product requirement
 - Scheduled PO

All the 3 types of PO need to be handled in different tabs to make the information in an efficient sorted way.

3. PO Detail Page

This section within the OMS module is specifically tailored to cater to the coordination team in China, furnishing them with essential details for efficient operations. It serves as a comprehensive repository, offering insights into the contents of each purchase order (PO) and the corresponding number of orders to be placed at the factory level. Through this page, the Purchase team gains the ability to seamlessly update both the operations and customer teams regarding confirmed orders and any items that are unavailable at the factory. This ensures smooth communication and coordination across teams, enhancing overall operational efficacy.

Page draft design

PO Details
XYZ Guangzhou
PO Number: 001

Payment Status: Paid

Product Name	Image	Qty Ordered	Estimated Cost (RMB)	Estimated Cost (AED)	Availability Status
Product 1		10	100	50	Confirmed
Product 2		20	200	100	Confirmed
Product 3		15	150	75	Confirmed
Product 4		12	120	60	Confirmed
Product 5		25	250	125	Confirmed
Product 6		18	180	90	Confirmed
Product 7		30	300	150	Confirmed
Subtotal		130	1300	650	

Update

Functional Requirement of P2 System (Order Management System) - PART 3

- The Page will provide all the information regarding the PO details like Product Name,Variant details,Image,Qty Ordered,Estimated Cost (RMB),Estimated Cost (AED),Available Qty,Availability status,Dispatch Status in table Format.
- It Should have PO number,Factory Name and PO type (Manual PO,PO against Orders,Scheduled PO)
- Give the dropdown facility to update the status of “Payment Status” with values “Paid and Not Paid”
- Give the dropdown facility to update the status of “PO status” with values “Open,Checking With Factory,Closed”
- “Availability Status” drop down with values “Confirmed,1 week, 2 week, 3 weeks,1 month, Out of Stock

- “Dispatched Status” with drop down value “Dispatched, Not Dispatched” Default value should be Dispatched
- The column “Available Qty” should fetch the value from quantity ordered automatically and value should be editable as required.
- One attachment option to Add the invoice and Dispatch bill
- Download option in PDF and Excel

Important Points Needs to consider Here







- Need to have a robust process to handle the changes in quantity ordered and Available Quantity differs. For eg:

If the Qty ordered in PO is 10 and the operation guy updated the item available as 9 then it should update 1 quantity back against concerned order item as “Not ordered status”.

Scheduled PO creation page

The concept of "scheduled PO" refers to the creation of an Alternative PO in response to the availability of items determined by factory production planning, distinct from the regular PO linked to the order ID. As an extra measure to track orders, an alert email will be sent to the admin one day before the scheduled delivery, providing timely notification. Additionally, this interface will serve as a tool for the customer support team to reach out to customers for order confirmation in alignment with production planning schedules.

Page draft design

Order Not Available							
Raise Scheduled PO		Filter by Estimated Production Timing: All					
Order ID	Item name	Image	Qty	Customer contact no	Estimated Production Timing	Customer status	Select
1	Item 1		1	1234567890	1 week	Not confirmed	<input type="checkbox"/>
2	Item 2		2	9876543210	2 weeks	Not confirmed	<input type="checkbox"/>
3	Item 3		1	4567890123	3 weeks	Not confirmed	<input type="checkbox"/>
4	Item 4		2	7890123456	1 month	Not confirmed	<input type="checkbox"/>
5	Item 5		1	8901234567	2 weeks	Not confirmed	<input type="checkbox"/>
6	Item 6		2	9012345678	1 week	Not confirmed	<input type="checkbox"/>

Functional Requirement of P2 System (Order Management System) - PART 4

- All details of Order ID items not available in the Factories will populate here
- If the value selected by the user in the Availability status column in PO apart from the confirmed status it will populate here
- We need a Filter for Estimated Production Timing with values "1 week,2 week,3 week,1 month,Out of stock"
- Need a Order details Table page with attributes like Order ID,Item Name,Image,Qty,Customer contact, Estimated Production Timing,Customer Status,Select(Check box)
- Create a "Schedule PO" button to raise a the Scheduled PO for items


- Only for confirmed items we can raise the scheduled PO otherwise pop up error message
- While raising the “Scheduled PO” if the values for “Estimated Production Timing” in the selected items differs then it should show one warning message "Purchase order items are on separate schedules. Do you want to proceed with the action?"

For eg-

If the user select total 3 items by selecting checkbox and in this one item has Estimated Production Timing as “1 week” and other 2 item has “1 month” then we need to populate this Pop up message

- Highlight the each line items based on color coding
 - If the value in customer status = Confirmed (light green)
 - if the value in customer status = Exchange (Yellow)
 - if the value in customer status = Refund (Red)
- While Raising the Scheduled PO the user can select the date to Remind him about the PO follow up date.It should be mandatory before submitting the PO.

Order ID	Item name	Qty	Status
1	Item 1	1	Confirmed
2	Item 2	2	Confirmed

Set Reminder Date: 

- Option to raise a Manual PO without ORDER ID with a reminder date
- While Raising Scheduled PO it should automatically convert it into a group by Product with a variant details while showing in the Pop window

Important Points Needs to consider Here

- Schedule PO numbers should be different PO numbers.Starting Like “S-PO 001”.One Item can have PO and S-PO number as well.Let us know.if we will have any technical difficulties for maintaining the same

P3 System

The P3 system is designed to facilitate the management of On-Hold orders and GRN, providing the team with comprehensive details on orders awaiting processing. It assists in determining the orders that require preparation based on the quantity received in the warehouse. This module comprises two internal components: the first component manages the details of incoming goods, while the second component identifies orders associated with these goods. Barcode integration will be implemented during the inwarding process to enhance process alignment and efficiency. The system consists of 2 sections.

1. GRN Capturing Section
2. GRN Details
3. On-Hold Order details Page

1. GRN Capturing Section Page

The section will be used for the inwarding of the items received in the warehouse. The user can enter received items in the warehouse and Generate the GRN no for it. Through this process the system will know, how many items we have received and how we can distribute the items accordingly against each order. We will integrate the Barcode system for this process to make it more easier

Page Draft Design

On-hold Management System

Select All☐

Date:

dd/mm/yyyy







Verified By:

Operation Guy 1

Boxes Received:

Attach the Delivery Bill:

Choose File No file chosen

Name	Image	Qty Received
Product 1	 Product 1	<div>10</div>
Product 2	 Product 2	<div>20</div>
Product 3	 Product 3	<div>15</div>
Product 4	 Product 4	<div>12</div>
Product 5	 Product 5	<div>18</div>
Product 6	 Product 6	<div>25</div>

Functional Requirement of P3 System (On-Hold Management System) - PART 1

- This page help the team to add the inwarding data into the system
- Need an Option to select the Date(Show today's date default),Verified By,Boxes Received,Attachment
- "Verified By" option will be used to track who is doing this activity in the system
- The operation Guy need search product option to add the product details and enter the received qty details
- After adding 3 letters it should populate the related items details
- " + " button needs to be added after each item to add another row of product details
- The product details should be populating based on variant details eg -
 - ITEM A COLOR BLUE
 - ITEM B SIZE - 35
- After Adding the all item he should have option to submit button to create the GRN ID with all received goods details

Important Points Needs to consider Here

- **The Barcode integration Needs to be on top priority for this process rather than Manual.Need to discuss how we can achieve it.**

2. GRN Management

The GRN Management Page is designed to provide comprehensive insight into all Goods Received Notes (GRNs) generated within the warehouse. This tool empowers end-users by allowing them to easily discern the products received under each GRN. Furthermore, it facilitates the tracking of on-hold orders, providing real-time updates on their processing status, and enabling users to take prompt and necessary actions as required.

Page draft design

GRN Management					
Date Filter: <input type="text" value="dd/mm/yyyy"/> Status Filter: Partially Processed Apply					
GRN NO	Date Created	Created By	Total Items	Status	Action
GRN001	2024-04-28	John Doe	50	All Processed	View
GRN002	2024-04-27	Jane Smith	30	Partially Processed	View
GRN003	2024-04-26	David Brown	20	Pending for Process	View
GRN004	2024-04-25	Sarah Johnson	40	All Processed	View
GRN005	2024-04-24	Michael Davis	25	Partially Processed	View

Functional Requirement of P3 System (On-Hold Management System) - PART 2

- This section entitled to show all the GRN items created by team using the P3 system
- Need Date filter (Working based on GRN created filter) and Status Filter (All Processed , Partially Processed , Pending for Process),Here the condition for these values in status filter based is based on as follows

All Processed = All the items in GRN has been sent for P1 system.No pending

Partially Processed = Only few of the items in GRN sent for P1 system.Partially pending

Pending for Process = No items in GRN sent for P1 system.No orders has been processed

- Need a Table with all the GRN details like GRN No,Date filter,Created by,Total items,status,Action


Need a provision to edit the GRN as well

3. On-Hold Order details Page

This section serves as a valuable resource for the operations team, aiding in the identification of orders requiring processing for specific items. It presents a comprehensive overview of orders awaiting fulfillment corresponding to the quantity of items received in the warehouse. Armed with this detailed information, the team can efficiently prioritize and process orders, ensuring timely fulfillment and optimal inventory management.

Page draft Design

On Hold Management

Product Name	Image
Chanel Double Flap	

Order Details

Order ID	Shipping Country	Item Received	<input type="checkbox"/> Select All
86700	Saudia Arabia	1/1	<input type="checkbox"/>
88802	Kuwait	1/1	<input type="checkbox"/>
89065	UAE	1/2	<input type="checkbox"/>
91941	Qatar	1/1	<input type="checkbox"/>
92726	Baharain	1/1	<input type="checkbox"/>
94133	Oman	1/1	<input type="checkbox"/>

Send for Preparation

Functional Requirement of P3 System (On-Hold Management System) - PART 3

- This Page will help the users to identify the pending orders for the selected particular item
- Based on the count of items received against the particular item the system need to fetch order ID where this item belongs to based on ascending order ID (System needs to assign the order ID first created first basis)
- The Page needs to show the details of Product Name and Image in the top page
- Then it will show the order items related to this product based on number of items received
- The table shows Order ID , Shipping country , Item Recieved , Select All option
- Item Received means - Against this order out of all no.of items how many items received
- All the Order ID needs to be shown based on ascending order
- After the selection of order ID user can send the all order details for P1 processing by clicking “Send for Preparation”

Important Points Needs to consider Here

- The system should run the query for searching order details backwards. Which means the oldest order ID needs to be considered first.

For eg: for the "item A" we have received 8 quantity, then system should run the query to assign the 8 items from oldest order ID matched against the product details

- While running the query the Variant details also should match while assigning to the orders
- Need to check how to manage the P1 system if 2 items for the Order has received in in same GRN and while pushing how to merge it as one while pushing to the P1 system