



Dated on 8<sup>th</sup> March 2024

**SCOPE OF WORK AND DESIGN  
MANUFACTURING DATA ACQUISITION  
AND MANAGEMENT SYSTEM  
(MaDAMS)**

**ZENIG AUTO SDN. BHD.**

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# FLOW OF SYSTEM

**NOTE:** This is the overview of how overall system will be. The document is a scope of work which consist expected information or parameters, layout and behavior as per discussed to be implemented by development team.

The attached images are design reference to show how it will be implemented in the system. Minor changes in front end which will not affect the backend (database changes/customization) and timeline are acceptable as it required further feasibility analysis before implementation. However, please do reach management team in case of any queries regards to this type of changes.

## 1 Login Page

1. User have to enter username or email address and password to login.

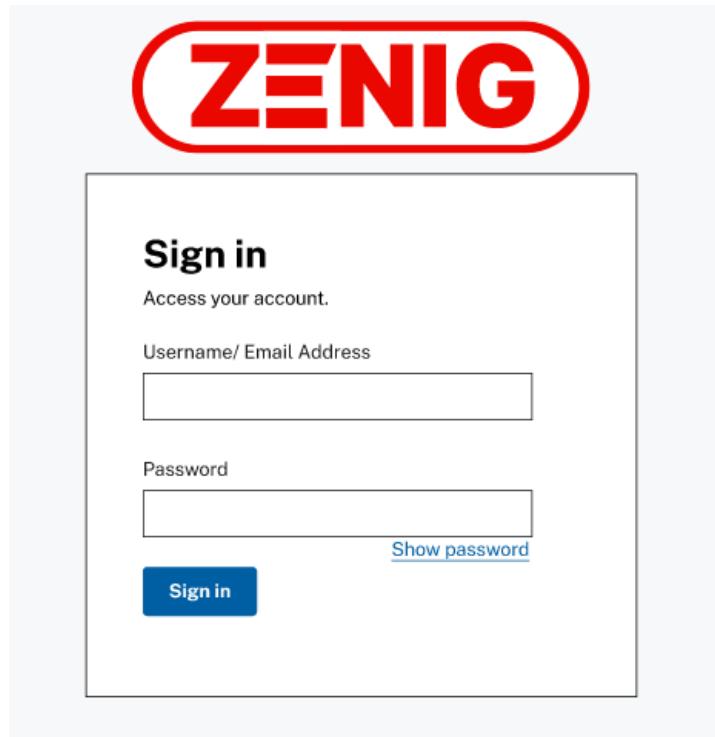


Figure 1: Login page

## 2 ERP

At the side navigation menu, there are four main menu which are **ERP**, **MES**, **WMS** and **Setting**. Under “**ERP**” module, it consists of several sub-module which are BD and PVD.

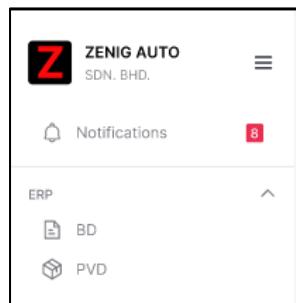


Figure 2: ERP Menu

### 2.1 Business Development (BD)

#### 2.1.1 Quotation

##### A. List

1. It shows list of records.
2. User can create new form for quotation.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. Quotation Ref No.
  - iii. Customer Name
  - iv. Date
  - v. Status
  - vi. Action

Quotation					
Show <select>10</select> entries <a href="#">+ Create New</a>					
Enter search terms <input type="text"/>					
No.	Quotation Ref No.	Customer Name	Created Date	Status	Action
1	ZASB-HTS (BD14/2023)	HICOM TECK SEE	01/01/2024	Submitted	Action
1	ZASB-HTS (BD14/2023)	HICOM TECK SEE	01/01/2024	Verified	Action
1	ZASB-HTS (BD14/2023)	HICOM TECK SEE	01/01/2024	Decline	Action
1	ZASB-HTS (BD14/2023)	HICOM TECK SEE	01/01/2024	Cancel	Action

Figure 3: Quotation list

1. By default, all list allow user to filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.

The screenshot shows a standard entries filter. On the left, there is a dropdown menu labeled 'Show' with options 10, 25, 50, and 100. To its right is a search bar with fields for 'Customer Name' and 'PO No.', each with a 'search' button. At the bottom, there is a footer with the number '1', the code 'SO-001496', the company name 'EDUKID DISTRIBUTORS SDN BHD', and the code 'PO-00'. Below the footer, it says 'Showing 1 to 1 of 1 Entries'.

Figure 4: Standard entries filter

Figure 5: Standard pagination.

2. In Action, user will have option dropdown to:

- View
  - Preview
  - Edit
  - Verify
  - Delete
- Quotation

The screenshot shows a standard action list. It features a table with columns: No., Quotation Ref No., Company Name, Date, Status, and Action. The Action column contains a dropdown menu with options: View, Edit, Verify, and Delete. The table has three rows, each representing a quotation with details like 'ZASB-HTS (BD14/2023)', 'HICOM TECK SEE', '14th August 2023', and 'Verified'. At the bottom, it says 'Showing 1 to 1 of 1 Entries' and includes a pagination section with buttons for 1, 2, ..., 9, 10.

Figure 6: Standard action list

- User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
- By default, all list allow user to search based on each column or at main search field at the top.

The screenshot shows a standard search box. At the top, there is a 'Create New' button and a 'Main search box' with a magnifying glass icon. Below the main search box is a 'Search based on column' button. The main area is a table with columns: No., Quotation Ref No., Company Name, Date, Status, and Action. Each column has its own search input field. The table has three rows, each representing a quotation with details like 'ZASB-HTS (BD14/2023)', 'HICOM TECK SEE', '14th August 2023', and 'Verified'. At the bottom, it says 'Showing 1 to 1 of 1 Entries' and includes a pagination section with buttons for 1, 2, ..., 9, 10.

Figure 31: Standard search box

- By default, all list allow user to sort column in increasing or decreasing order.
- User can click "Create" button to create new record.

Create new

1. User fill in the create form:

**Quotation Issuance**

**Customer details**

Customer Name:  Search

Customer Address:   
  <Auto-generated based on Company Name>

**Quotation Details**

Quotation Ref No.:  <Auto-generated>

Date:  <Auto-generated today date but editable>

Attn:  <Autodisplay PIC name of the company>

Department:  <Autodisplay>

Cc:  {User input}

Department:  {User input}

**Part List**

No.	Part No.	Part Name	Remarks	Price (RM)	Action
	<auto based on add product>	<auto based on add product>	<auto based on add product>	<price editable pull from sale price>	<input type="button"/> X

**Term and Condition**

[User input]

Figure 7: Information key-in

- i. Created By: auto display current logged in user
- ii. Customer Details section consist of:
  - **Customer Name:** dropdown with search
  - **Customer Address:** auto display based on selected Company Name
- iii. Quotation Details section consist of:
  - **Quotation Ref No.:** auto running no. [Format: QT/running no./yyy]
  - **Date:** auto current date but editable
  - **Attn:** auto display based on PIC name of the selected Company Name
  - **Department:** auto display based on PIC name of the selected Company Name
  - **CC:** text input
  - **Department:** text input
- iv. Part List table consist of:
  - **Add Product:** button to add product
  - **Add Row** button to add new empty row

**Part List**

No.	Part No.	Part Name	Remarks	Price (RM)	Action
					<input type="button"/> X
					<input type="button"/> X

**+ Add Product**   **+ Add Row**

Figure 8: After click "Add Row" button

- **No.**
- **Part No:** auto based on added product
- **Part Name:** auto based on added product
- **Remarks:** text input
- **Price (RM):** auto based on Sale Price of the Part No. but editable
- **Action:** Remove button

v. Term and Condition: textarea

2. If user click “Add Product” button, a Product List will pop up in a modal as following for user to select:

Product List						
Show	10	entries	Enter search terms			
	Part No.	Part Name	Unit	Model	Variant	Type of Product
<input checked="" type="checkbox"/>	CP001	Braker Pad Set	pcs	Proton	Standard	Finish Good OEM
<input checked="" type="checkbox"/>	CP002	Spark Plug	pcs	Honda	High Flow	Components REM

Showing 1 to 2 of 101 entries

[+ Add](#)

Figure 9: Search Product to Add

- i. The modal consists of:
- Entries filter
  - Search box
  - Search based on column
  - Checkbox for each product
  - Part No.: auto display from Product database
  - Part Name: auto display from Product database
  - Unit: auto display from Product database
  - Model: auto display from Product database
  - Variance: auto display from Product database
  - Type of Product: auto display from Product database
  - Category: auto display from Product database
  - Pagination
  - Add: button
- ii. Once the product is searched and selected, user has to click <Add> button to add it to the main table as shown below:

Part List					
No.	Part No.	Part Name	Remarks	Price (RM)	Action
1	Part No. 123	Part Name ABC	Remarks ABC	Price 123	<span style="background-color: red; color: white;">X</span>

Figure 491: New product is added into the table

3. At the bottom there are several buttons:
- <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.



Figure 10: Standard Save and Back button

4. The status can be divided into:
- Submitted (Grey) – after quotation is created
  - Verified (Light Blue) - if user click verify button.
  - Declined (Orange) - if user click decline button.
  - Cancelled (Red) - if user click cancel button.

## B. Form

The screen layout for sales order form will be differ based on the action and user can click action based on permission right.

### Action: View

1. Display all information from the latest saved state in read-only mode.
2. Preview button to view the quotation letter.

### Action: Preview

1. View quotation letter.

### Action: Edit

1. Display all information from the latest saved state.
2. User can edit the details that is not in read-only mode.
3. Quotation Ref No. cannot be edited.
4. Save and Back button is available in the bottom-right of the page.
5. User cannot edit anymore once verified.
6. Preview button to view the quotation letter.

### Action: Delete

1. User can delete a record.

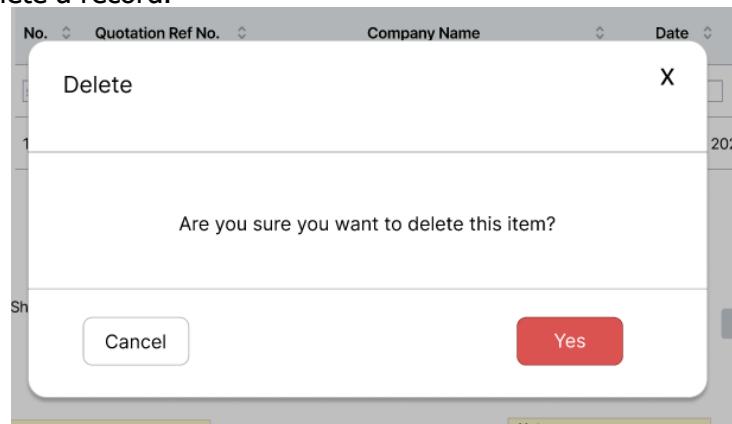


Figure 11: Delete action.

**Quotation Issuance**
Created By: <auto/display based on login user>

<b>Customer details</b> <p>Customer Name: HICOM TECK SEE MANUFACTURING MALAYSIA SDN BHD</p> <p>Customer Address: Lot 76 &amp; 75A, Jalan Sementa 27/91, Section 27, 40000, Shah Alam Selangor Darul Ehsan</p>	<b>Quotation Details</b> <p>Ref No. ZASB-HTS (BD14/2023)</p> <p>Date: 14th August 2023</p> <p>Attn: Ms. Yuhana Ayu</p> <p>Department: Head of Procurement &amp; Vendor Development</p> <p>Cc: Ms. Nor Izzawanie</p> <p>Department: Assistant Manager of Procurement &amp; Vendor Development</p>												
<b>Part List</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Part No.</th> <th>Part Name</th> <th>Remarks</th> <th>Price (RM)</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Part No. 123</td> <td>Part Name ABC</td> <td>Test ABC</td> <td>Price 123</td> <td></td> </tr> </tbody> </table>		No.	Part No.	Part Name	Remarks	Price (RM)	Action	1	Part No. 123	Part Name ABC	Test ABC	Price 123	
No.	Part No.	Part Name	Remarks	Price (RM)	Action								
1	Part No. 123	Part Name ABC	Test ABC	Price 123									
<b>Term and Condition</b> <ol style="list-style-type: none"> <li>1. Quoted price are excluding 10% SST.</li> <li>2. Payment Terms: 60 days upon received the PO.</li> <li>3. The price is based on information given (attachment through email) and subject to change shall there be any change on part weight, material price, cycle time, machine tonnage and other that varies from this quotation.</li> <li>4. Material price based on HTS given and subject to change shall there be any changes for the price. Zenig Auto will be purchases material from HTS and HTS will deliver materials to Zenig Auto.</li> <li>5. The price is excluding Development cost and modification cost if any.</li> </ol>													
<b>Verified By</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>Username</th> <th>Designation</th> <th>Department</th> </tr> </thead> <tbody> <tr> <td>20/09/2023</td> <td>Username ABC</td> <td>HOD</td> <td>BD</td> </tr> </tbody> </table>		Date	Username	Designation	Department	20/09/2023	Username ABC	HOD	BD				
Date	Username	Designation	Department										
20/09/2023	Username ABC	HOD	BD										
<a href="#" style="color: #000;">&lt; Back To List</a>	<a href="#" style="background-color: #000; color: white; padding: 5px 10px;">Generate preview</a>												

Figure 12: View form

Ref No: <auto>				
Company Name: <auto>				
Company Address: <auto>				
Date: <auto>				
Attn. <auto>				
Cc. <auto>				
Dear Sir/Madam,				
<b>PART PRICE QUOTATION</b>				
No.	Part No.	Part Name	Remark	Price (RM)
<auto>	<auto>	<auto>	<auto>	<auto>
<auto>				

**Term and Conditions:**

1. <auto>
2. <auto>
3. <auto>
4. <auto>
5. <auto>
6. <auto>

We trust that our quotation will meet your requirements and expectation. We look forward to your kind consideration and approval.

Thanks and regard,  
**ZENIG AUTO SDN BHD.**

Name: <auto>  
Position: <auto>  
Department: <auto>

Lot 9414 Jalan Jasmine 1, Seksyen BB10, Bukit Beruntung, 48300 Rawang, Selangor  
Tel: +60(03)60281712/4421 | Fax: +60(03)60282844

This statement is computer-generated, and no signature is required.

Figure 13: Quotation preview

**Action: Verify**

1. Display all information from the latest saved state in read-only mode.
2. Preview button to view the quotation letter.
3. Verify, Decline and Cancel button is available at the bottom of the page.

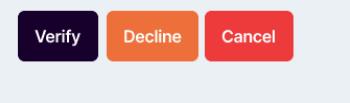


Figure 14: Verify section.

4. Once user click <Verify>, Date, Username, Designation and department will be auto display based on the current date and user information.

**Verified**

Date	Username	Designation	Department
01/01/2024	mr. abc	HOD	

Figure 15: After click verify button

5. Click <Save> for the changes to be applied.

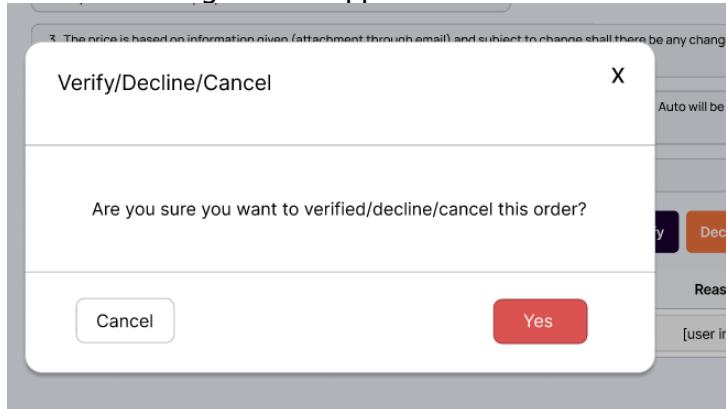


Figure 16: Cancel popup confirmation

6. Status of the record will change to "Verified".
7. User cannot edit anymore once verified and verify action can only be done one time.
8. If user click <Decline> button, Date, Username, Designation and Department will be auto display (based on the current date and user information) and Reason field to be keyed in by user.

<b>Declined</b>				
Date	Username	Designation	Department	Reason
01/01/2024	mr. abc	HOD	BD	[user input]

Figure 17: After click Decline button

9. Once saved, status will change to "Declined".
10. If user click <Cancel> button, Date, Username, Designation and Department will be auto display (based on the current date and user information) and Reason field to be keyed in by user.

<b>Cancelled</b>				
Date	Username	Designation	Department	Reason
01/01/2024	mr. abc	HOD	BD	[user input]

Figure 18: After click cancel

11. If the form is edit after decline action, the status will revert back to "Submitted". The user will need to verify the form again.

**Notes:**

- A notification will be sent if verification is not done within 1 hour.

## 2.1.2 Order

### A. List

1. It shows list of records.
2. User can create new order.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. Order No.
  - iii. PO No.
  - iv. Customer Name
  - v. Created Date
  - vi. Status
  - vii. Action

Order Registration

The screenshot shows a table titled "Order Registration". At the top right is a blue button labeled "+ Create New". Below it is a search bar with placeholder text "Enter search terms" and a magnifying glass icon. To the left is a dropdown menu showing "Show 10 entries". The table has a header row with columns: No., Order No., PO No., Customer Name, Created Date, Status, and Action. Under each column header is a "search" button. The data table contains two rows:

No.	Order No.	PO No.	Customer Name	Created Date	Status	Action
1	SO-123	PO-123	Perodua	11/01/2024	In progress	Action
1	SO-123	PO-123	Perodua	11/01/2024	Completed	Action

Figure 19: Order registration list

7. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
8. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
9. User can search based on each column or at main search field at the top.
10. User can sort column in increasing or decreasing order.
11. User can click "Create" button to create new record.

Create new

- User fill in the create form:

The screenshot shows the 'Order Registration' form. It includes sections for 'General Information' (Created Date, Order No., PO. No., Order Month, Status), 'Customer details' (Customer Name, PIC Name, PIC Email, PIC Phone No.), and a 'Product Details' table. A status dropdown example is shown with 'In progress' and 'Complete' options.

No.	Part No.	Part Name	Type of Product	Variance	Model	Category	Unit	Price(Unit)
<auto>	<auto>	<auto>	<auto>	<auto>	<auto>	<dropdown>▼	<auto>	<auto>

Figure 20: Information key-in

- Created By: auto display current logged in user
- General Information section consist of:
  - Created Date.:** auto current date but editable
  - Order No.:** input text
  - PO No.:** input text
  - Order Month:** month picker
  - Status:** static dropdown
- Customer Details section consist of:
  - Customer Name:** dropdown with search based on Customer's database
  - PIC Name:** auto display based on PIC of the selected Company Name
  - PIC Email:** auto display based on PIC email of the selected Company Name
  - PIC Phone No. (Work/Mobile):** auto display based on mobile phone of the selected Company Name
- Product Details table consist of:
  - Add Product:** button to add product
  - No.**
  - Part No:** auto display based on the added Product
  - Part Name:** auto display based on the added Product
  - Type of Product:** auto display based on the added Product

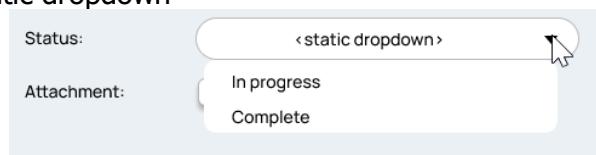


Figure 21: Status dropdown

- **Variance:** auto display based on the added Product
- **Model:** auto display based on the added Product
- **Category:** auto display based on the added Product
- **Unit:** auto display based on the added Product
- **Price (Unit):** auto display based on the added Product's Sale Price
- **SST%:** auto based on General Setting (By default 10%)
- **SST Value:** auto based on SST % \* Price
- **Firm 1 Month Qty:** integer input
- **N+1 Forecast Month Qty:** integer input
- **N+2 Forecast Month Qty:** integer input
- **N+3 Forecast Month Qty:** integer input
- **Action:** Remove button

2. If user click "Add Product" button, a Product List will pop up in a modal as following for user to select:

Product List							
	Part No.	Part Name	Unit	Model	Variant	Type of Product	Category (OEM/REM)
<input checked="" type="checkbox"/>	CP001	Braker Pad Set	pcs	Proton	Standard	Finish Good	OEM
<input checked="" type="checkbox"/>	CP002	Spark Plug	pcs	Honda	High Flow	Components	REM

Showing 1 to 2 of 101 entries

1 2 ... 9 10 >

**+ Add**

Figure 22: Search Product to Add

- i. The modal consists of:
  - Entries filter
  - Search box
  - Search based on column
  - Checkbox for each product
  - Part No.: auto display from Product database
  - Part Name: auto display from Product database
  - Unit: auto display from Product database
  - Model: auto display from Product database
  - Variance: auto display from Product database
  - Type of Product: auto display from Product database
  - Category: auto display from Product database
  - Pagination
  - Add: button
- ii. Once the product is searched and selected, user has to click <Add> button to add it to the main table as shown below:

No.	Part No.	Part Name	Type of Product	Category	Variant	Model	OEM/REM	Unit
1	t	Part ABC	Finish Good	Category A	Variance 123	Model A	OEM	pcs

Figure 491: New product is added into the table

3. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.
4. The status can be divided into:
  - In Progress (Light Yellow) – based on assigned status
  - Complete (Green) – based on assigned status

## B. Form

The screen layout for sales order form will be differ based on the action and user can click action based on permission right.

### Action: View

1. Display all information from the latest saved state in read-only mode.

### Action: Edit

1. Display all information from the latest saved state.
2. User can edit the details that is not in read-only mode.
3. Save and Back button is available in the bottom-right of the page.

### Action: Delete

1. User can delete a record.

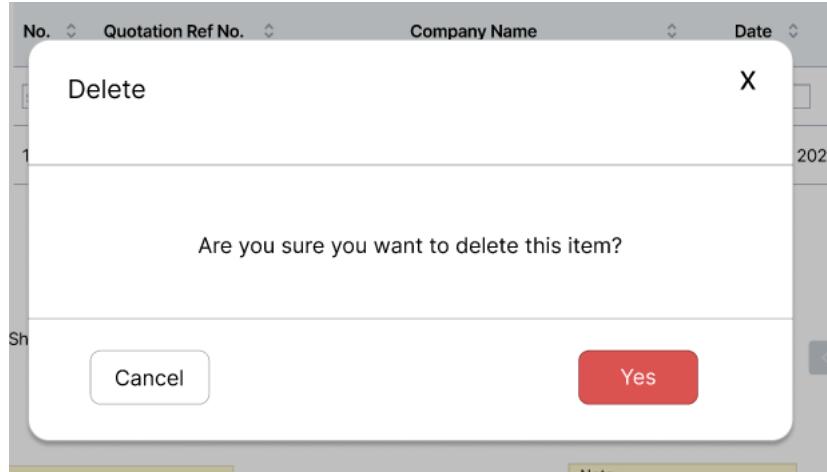


Figure 23: Delete action.

### 2.1.3 Sales Price

#### A. List

1. It shows list of records.
2. User can create new form.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. Part No.
  - iii. Part Name
  - iv. Unit
  - v. Model
  - vi. Variance
  - vii. Unit
  - viii. Price/ Unit (RM)
  - ix. Effective Date
  - X. Status
  - xi. Action

No.	Part No.	Part Name	Model	Variance	Unit	Price/Unit(RM)	Effective Date
1	Part 123	Part ABC	Modal A	Variance 123	kg	123	1/1/2024

Showing 1 to 1 of 1 Entries

Figure 24: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Verify
  - iv. Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

Create new

1. User fill in the create form:

The screenshot shows a 'Sale Price Registration' form under 'Sale Price Details'. It contains several input fields with placeholder text: 'Part No.' (dropdown from product), 'Category' (auto display from product), 'Part Name' (auto display from product), 'Unit' (auto display from product), 'Model' (auto display from product), 'Price/unit(RM)' (user input), 'Variance' (auto display from product), 'Effective Date' (select date, dd/mm/yyyy), and 'Type of Product' (auto display from product).

Figure 25: Information key-in

- i. **Part No.:** dropdown based on Product database
  - ii. **Part Name:** auto display based on selected Part No.
  - iii. **Model:** auto display based on selected Part No.
  - iv. **Variance:** auto display based on selected Part No.
  - v. **Type of Product:** auto display based on selected Part No.
  - vi. **Category:** auto display based on selected Part No.
  - vii. **Unit:** dropdown based on Unit database
  - viii. **Price/ Unit (RM):** input text
  - ix. **Effective Date:** date picker
2. At the bottom there are several buttons:
    - <Save> button to save and the record will be listed in the main list.
    - <Back to list> button is on the bottom left of the page if user want to cancel.
  3. The status can be divided into:
    - Submitted (Grey) – after created
    - Verified (Light blue) - if user click verify button.
    - Declined (Orange) - if user click decline button.
    - Cancelled (Red) - if user click cancel button.

**B. Form**

The screen layout for sales order form will be differ based on the action and user can click action based on permission right.

Action: View

1. Display all information from the latest saved state in read-only mode.

Action: Edit

1. Display all information from the latest saved state.
2. User can edit the details that is not in read-only mode.
3. Save and Back button is available in the bottom-right of the page.

**Action: Verify**

1. Display all information from the latest saved state in read-only mode.
2. Verify, Decline and Cancel button is available at the bottom of the page.



Figure 26: Verify section.

3. Once user click <Verify>, Date, Username, Designation and department will be auto display based on the current date and user information.

Verified			
Date	Username	Designation	Department
01/01/2024	mr. abc	HOD	

Figure 27: After click verify button

4. Click <Save> for the changes to be applied.

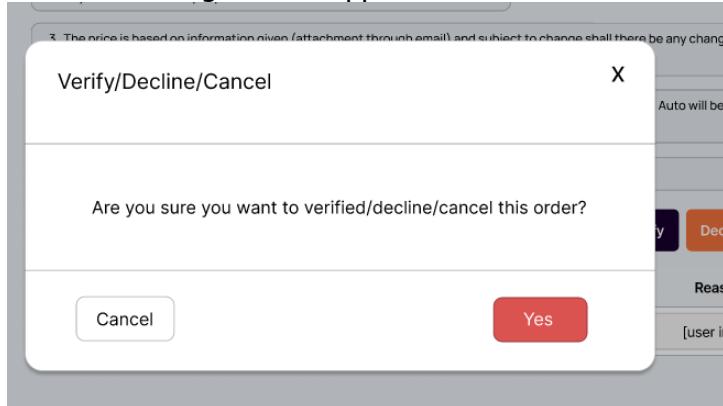


Figure 28: Popup confirmation

5. Status of the record will change to "Verified".
6. User cannot edit anymore once verified and verify action can only be done one time.
7. If user click <Decline> button, Date, Username, Designation and Department will be auto display (based on the current date and user information) and Reason field to be keyed in by user.

Declined				
Date	Username	Designation	Department	Reason
01/01/2024	mr. abc	HOD	BD	[user input]

Figure 29: After click Decline button

8. Once saved, status will change to "Declined".
9. If user click <Cancel> button, Date, Username, Designation and Department will be auto display (based on the current date and user information) and Reason field to be keyed in by user.

Cancelled				
Date	Username	Designation	Department	Reason
01/01/2024	mr. abc	HOD	BD	[user input]

Figure 30: After click cancel

10. If the form is edit after decline action, the status will revert back to "Submitted".  
The user will need to verify the form again.

**Notes:**

- A notification will be sent if verification is not done within 1 hour.

**Action: Delete**

1. User can delete a record.

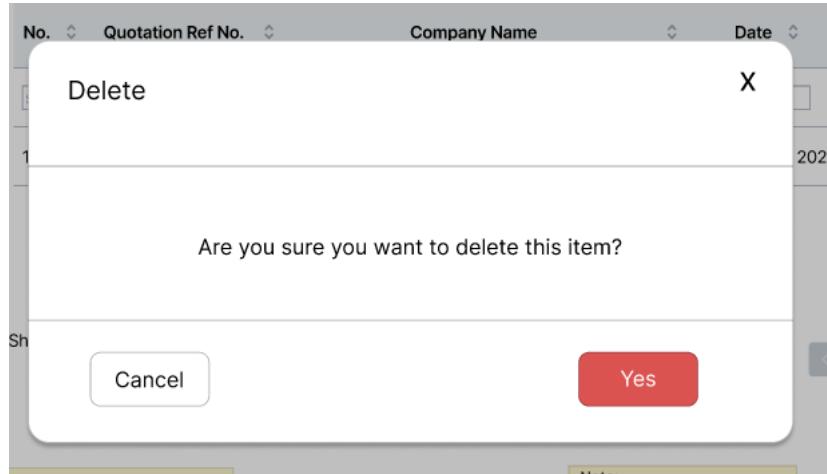


Figure 31: Delete action.

**2.1.4 Invoice****A. List**

1. It shows a list of invoice records.
2. Export and Create button is available above the main search box.
3. Saved form will be listed in this list screen.
4. The list will show following columns:
  - i. Sr#
  - ii. DO No.
  - iii. Invoice No.
  - iv. Created By
  - v. Created Date
  - vi. Action

**Invoice**

						<a href="#">Export</a>	<a href="#">+ Create New</a>
						<input type="text" value="Search"/>	
Sr.	DO No.	Invoice No.	Created By	Created Date	Action		
1.	DO/24/1	INV/24/1	PCS	PCS	Action		

Showing 1 to 1 of 1 Entries

< 1 2 ... 9 10 >

Figure 32: List

5. In Action column, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
6. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
7. User can search based on each column or at main search field at the top.
8. User can sort column in increasing or decreasing order.
9. User can click "Create" button to create new record.

Create new

1. User fill-in details in form.

### Invoice

DO No.:	<input type="button" value="dropdown"/>	Invoice No.:	<input type="text" value="User input"/>
Customer :	<input type="button" value="display based DO selection"/>		
Address	<input type="button" value="display address customer"/>		
Attn:	<input type="button" value="display based customer database"/>		
Tel:	<input type="button" value="display based customer database"/>		
Fax:	<input type="button" value="display based customer database"/>		
A/C No:	<input type="text" value="user input"/>		

Show 10 entries

Part No.	Part Name	Unit	Quantity	Unit Price	Disc AMT
No data available					

Showing 1 to 1 of 1 Entries < 1 2 ... 9 10 >

Back To List [Generate Preview](#) [Save](#)

Figure 33: Information key-in create form

- i. **DO No.:** multi select dropdown auto based on created DO at Outgoing
- ii. **Customer:** auto based on selected DO No.
- iii. **Address:** auto based on selected customer
- iv. **Attn:** auto based on selected customer's PIC Name

- v. **Tel:** auto based on selected customer's PIC Phone (Work/Mobile)
  - vi. **Fax:** auto based on selected customer's Fax
  - vii. **A/C No.:** text input
  - viii. **Invoice No.:** text input
  - ix. **Created Date:** auto display current date
  - x. **Created By:** auto display current logged in user
  - xi. **Term:** text input
  - xii. The product table (based on selected DO No. except Disc AMT) consists of:
    - No.
    - Part No
    - Part Name
    - Unit
    - Quantity
    - Unit Price
    - Disc AMT: **integer input**
    - Total Excl. SST
    - SST %: auto based on general setting
    - Total Incl. SST: auto calculated
2. At the bottom there are several buttons:
- <Generate Preview> button to print Invoice
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout will be differ based on the action and user can click action based on permission rights.

### Action: View

1. Same as 2.1.2.B view action.
2. <Generate Preview> button is provided to generate the Invoice for printing.

### Action: Preview

1. To generate the Invoice for printing.

### Action: Edit

1. Same as 2.1.2.B edit action.
2. <Generate Preview> button is provided to generate the Invoice for printing.

### Action: Delete

1. Same as 2.1.2.B delete action.

<b>ZENIG AUTO SDN BHD</b>	ZA-SCM-FRM-001																																												
 (1015897-M) Lot 9414, Jalan Jasmine 1, Seksyen BB 10, Bukit Beruntung, 48300 Rawang, Selangor Darul Ehsan. Tel: 03-6028 1712/ 03-6028 4421 Fax: 03-6028 2844																																													
<b>INVOICE</b>																																													
< Customer> < Customer's Address> < Customer's Address> < Customer's Address> <b>Attn:</b> < Attn> <b>Tel:</b> < Tel> <b>Fax:</b> < Fax> <b>GST No:</b> < GST No> <b>Acc No:</b> < Attn> <b>D.O No:</b> < DO No. >	<b>No :</b> < invoice no.> <b>Date:</b> < created date> <b>Term:</b> < term> <b>Page:</b> < auto based on page no.>																																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Item No.</th> <th style="text-align: left; padding: 2px;">Part No.</th> <th style="text-align: left; padding: 2px;">Part Name</th> <th style="text-align: left; padding: 2px;">Unit</th> <th style="text-align: left; padding: 2px;">Quantity</th> <th style="text-align: left; padding: 2px;">Unit Price</th> <th style="text-align: left; padding: 2px;">Disc Amt</th> <th style="text-align: left; padding: 2px;">Total Excl. SST</th> <th style="text-align: left; padding: 2px;">SST</th> <th style="text-align: left; padding: 2px;">Total Incl. SST</th> </tr> </thead> <tbody> <tr> <td style="text-align: left; padding: 2px;">&lt;no&gt;</td> <td style="text-align: left; padding: 2px;">&lt;Part No. &gt;</td> <td style="text-align: left; padding: 2px;">&lt;Part Name&gt;</td> <td style="text-align: left; padding: 2px;">&lt;Unit&gt;</td> <td style="text-align: left; padding: 2px;">&lt;Quantity&gt;</td> <td style="text-align: left; padding: 2px;">&lt;unit price&gt;</td> <td style="text-align: left; padding: 2px;">&lt;Disc Amt&gt;</td> <td style="text-align: left; padding: 2px;">&lt;total excl. SST&gt;</td> <td style="text-align: left; padding: 2px;">&lt;SST&gt;</td> <td style="text-align: left; padding: 2px;">&lt;Total Incl. SST&gt;</td> </tr> </tbody> </table>		Item No.	Part No.	Part Name	Unit	Quantity	Unit Price	Disc Amt	Total Excl. SST	SST	Total Incl. SST	<no>	<Part No. >	<Part Name>	<Unit>	<Quantity>	<unit price>	<Disc Amt>	<total excl. SST>	<SST>	<Total Incl. SST>																								
Item No.	Part No.	Part Name	Unit	Quantity	Unit Price	Disc Amt	Total Excl. SST	SST	Total Incl. SST																																				
<no>	<Part No. >	<Part Name>	<Unit>	<Quantity>	<unit price>	<Disc Amt>	<total excl. SST>	<SST>	<Total Incl. SST>																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">SST Summary</th> <th style="text-align: left; padding: 2px;">Amount</th> <th style="text-align: left; padding: 2px;">SST Amount</th> <th style="text-align: right; padding: 2px;">MYR</th> </tr> </thead> <tbody> <tr> <td style="text-align: left; padding: 2px;">&lt;Auto based on General Setting&gt;</td> <td style="text-align: left; padding: 2px;">&lt;auto&gt;</td> <td style="text-align: left; padding: 2px;">&lt;auto&gt;</td> <td style="text-align: right; padding: 2px;">Sub Total</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right; padding: 2px;">&lt;auto&gt;</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right; padding: 2px;">Total Discount</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right; padding: 2px;">&lt;auto&gt;</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right; padding: 2px;">Total Excl. SST</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right; padding: 2px;">&lt;auto&gt;</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right; padding: 2px;">Add SST</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right; padding: 2px;">&lt;auto&gt;</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right; padding: 2px;">Total Payable Incl. SST</td> </tr> <tr> <td></td> <td></td> <td></td> <td style="text-align: right; padding: 2px;">&lt;auto&gt;</td> </tr> </tbody> </table>		SST Summary	Amount	SST Amount	MYR	<Auto based on General Setting>	<auto>	<auto>	Sub Total				<auto>				Total Discount				<auto>				Total Excl. SST				<auto>				Add SST				<auto>				Total Payable Incl. SST				<auto>
SST Summary	Amount	SST Amount	MYR																																										
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			Total Payable Incl. SST																																										
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Figure 34: Generated Invoice

## 2.2 Procurement and Vendor Development (PVD)

### 2.2.1 Purchase Price

#### A. List

1. It shows list of records.
2. User can create new form.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. Part No.
  - iii. Part Name
  - iv. Unit
  - v. Price/ Unit (RM)
  - vi. Effective Date
  - vii. Status
  - viii. Action

## Sales Price

Name	Model	Variance	Unit	Price/Unit(RM)	Effective Date	Status	Action
t ABC	Modal A	Variance 123	kg	123	1/1/2024	Submitted	Action
t ABC	Modal A	Variance 123	kg	123	1/1/2024	Verified	Action
t ABC	Modal A	Variance 123	kg	123	1/1/2024	Declined	Action

Showing 1 to 1 of 1 Entries

1 2 ... 9 10 >

Figure 35: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

Create new

1. User fill in the create form:

**Purchase Price Registration**

**Purchasing Price Details**

Part No.:	<dropdown>	Model:	<auto display from selected part no.>
Part Name:	<auto display from selected part no.>		
Type of Product	<auto display from selected part no.>		
Category:	<auto display from selected part no.>		
Unit:	<auto display from selected part no.>		
Price/unit(RM):	[user input]		
Effective Date:	<select date>		

Figure 36: Information key-in

- i. **Part No.:** dropdown based on Product database
- ii. **Part Name:** auto display based on selected Part No.
- iii. **Model:** auto display based on selected Part No.

- iv. **Variance:** auto display based on selected Part No.
  - v. **Type of Product:** auto display based on selected Part No.
  - vi. **Category:** auto display based on selected Part No.
  - vii. **Unit:** dropdown based on Unit database
  - viii. **Price/ Unit (RM):** input text
  - ix. **Effective Date:** date picker
2. At the bottom there are several buttons:
- <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.
3. The status can be divided into:
- Submitted (Grey) – after created
  - Verified (Green) - if user click verify button.
  - Declined (Orange) - if user click decline button.
  - Cancelled (Red) - if user click cancel button.

## B. Form

The screen layout for sales order form will be differ based on the action and user can click action based on permission right.

### Action: View

1. Display all information from the latest saved state in read-only mode.

### Action: Edit

1. Display all information from the latest saved state.
2. User can edit the details that is not in read-only mode.
3. Save and Back button is available in the bottom-right of the page.

### Action: Verify

1. Display all information from the latest saved state in read-only mode.
2. Verify, Decline and Cancel button is available at the bottom of the page.

Figure 37: Verify section.

3. Once user click <Verify>, Date, Username, Designation and department will be auto display based on the current date and user information.

<b>Verified</b>			Verify	Decline	Cancel	
Date	Username	Designation	Department			
01/01/2024	mr. abc	HOD				

Figure 38: After click verify button

4. Click <Save> for the changes to be applied.

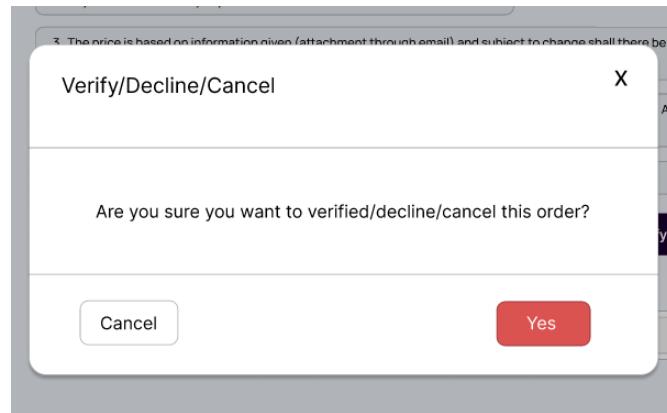


Figure 39: Popup confirmation

5. Status of the record will change to "Verified".
6. User cannot edit anymore once verified and verify action can only be done one time.
7. If user click <Decline> button, Date, Username, Designation and Department will be auto display (based on the current date and user information) and Reason field to be keyed in by user.

Verified			
Date	Username	Designation	Department
01/01/2024	mr. abc	COO	PVD

Figure 40: After click Decline button

8. Once saved, status will change to "Declined".
9. If the form is edit after decline action, the status will revert back to "Submitted". The user will need to verify the form again.

**Notes:**

- A notification will be sent if verification is not done within 1 hour.

Action: Delete

1. User can delete a record.

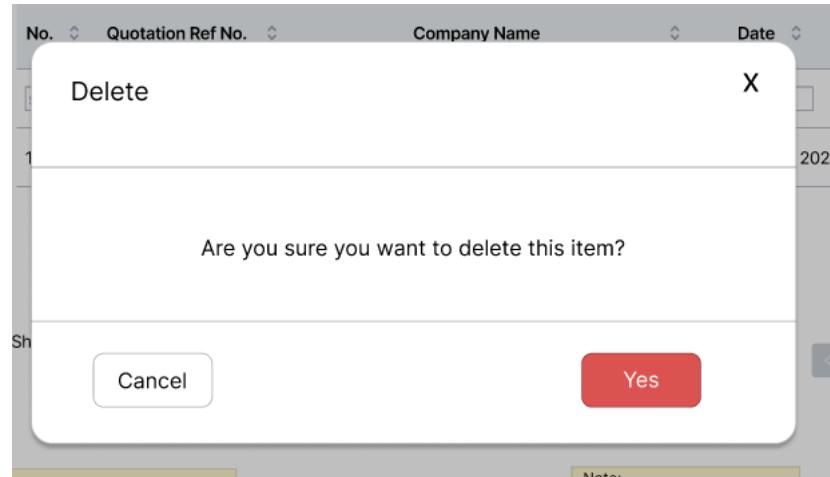


Figure 41: Delete action.

## 2.2.2 Purchase Planning

### A. List

1. It shows list of records.
2. User can create new purchase planning.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. PP No.
  - iii. Created Date
  - iv. Products
  - v. Status (Current Status, Designation and Name)
  - vi. Action

Purchase Planning

No.	PP No.	Created Date	Status	Designation	Name	Action
1	PP123	1/1/2024	Prepared	Exec	Miss A	Action
2	PP123	1/1/2024	Checked	Manager	Mr B	Action
3	PP123	1/1/2024	Verified	HOD	Miss C	Action
4	PP123	1/1/2024	Declined	Acc	Mr D	Action
5	PP123	1/1/2024	Cancelled	HOD	Miss E	Action
5	PP123	1/1/2024	Approved	CEO	Mr F	Action

Showing 1 to 1 of 1 Entries

← 1 → ... 9 10 →

Figure 42: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Check
  - iv. Verify (HOD)
  - v. Verify (Acc)
  - vi. Approve
  - vii. Delete
7. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

Create new

- User fill in the create form:

**Purchase Planning**

**Purchase Planning Details**

- PP Registration No.: <Autogenerated running no>
- Order No. \*: <select order no.>
- Created Date: <auto but editable>
- Note: Order Registration Details View Mode Only
- Format: pp/running\_no/yy
- Qty Planning = <auto based on add supplier button>  
remove unit qty

**Order Registration Details**

- Order Date: <autodisplay based on order>
- Order Month: <autodisplay based on order>
- Attachment:  File\_Upload.pdf
- Customer Name: <Auto display based on order>
- PIC Name: <Auto display based on order>
- PIC Email: <Auto display based on order>
- PIC Phone No. (Mobile/Work) <Auto display based on order>

**Product Details**

- Show 10 entries
- Columns
- Note: Any table column can be hidden
- remove: price(unit), SST %, SST Value
- qty sum will show in qty planning - read on

No.	Part No.	Part Name	Type of Product	Product Quantity	Total Qty (1 Month Firm + 3 N)
<auto>	<auto>	<auto>	<auto>	<auto>	<auto>

**Planning Details**

- Show 10 entries
- Columns

No.	Part No.	Part Name	Parent Product	Type of Product	Unit Qty	Unit	Total Qty (1
<auto>	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>

can add Supplier (+)  
 • after approval qty cannot be change  
 • if want to buy other things need to do new purchase planning

Once purchase plan created and approved  
 • if there sudden change need to request to edit  
 • no need just make new order

Figure 43: Information key-in

- Purchase Planning Details section consist of:
  - Created By:** auto display current logged in user
  - Created Date.:** auto current date but editable
  - PP Registration No.:** auto running no. [Format: PP/running no./yyyy]
  - Order No.:** dropdown based on registered Order No., required
  - View:** button to view order form
- Order Registration Details section auto display based on selected Order No. which consist of:
  - Order Date**
  - Order Month**

- **Attachment**
- iii. Customer details section auto display based on selected Order No. which consist of:
  - **Customer Name**
  - **PIC Name**
  - **PIC Email**
  - **PIC Phone No. (Mobile/Work)**
- iv. Product Details table auto display based on selected Order No. which consist of:
  - **Entries filter**
  - **Column filter**
  - **No.**
  - **Part No**
  - **Part Name**
  - **Type of Product**
  - **Product Quantity**
  - **Total Qty (1 month firm + 3 month forecast)**
- v. Planning Details table consist of:
  - **Entries filter**
  - **Column filter**
  - **No.**
  - **Part No:** auto display
  - **Part Name:** auto display
  - **Parent Product:** auto display
  - **Type of Product:** auto display
  - **Unit (Qty):** integer input
  - **Unit:** auto display based
  - **Total Qty (1 Month Firm + 3 Month Forecast):** auto display based
  - **Inventory Qty:** auto based on current inventory
  - **MOQ:** integer input
  - **Balance:** auto calculate MOQ - Inventory
  - **Qty Planning:** auto based on Qty Supplier (Qty added at <Add Supplier> button)
  - **Supplier:** Add button

2. If user click “Add Supplier” button, a Supplier List will pop up in a modal as following for user to select:

No.	Supplier Name	Unit	Qty	Action
1	<dropdown>	<auto>	[user input]	<span style="color: red;">x</span>

Figure 44: Search Supplier and add qty

- i. The modal consists of:
  - Part No.: auto display based on selected Part No at Planning Details table
  - Part Name.: auto display based on selected Part No at Planning Details table
  - Qty Planning: auto display based on Product List section
  - Qty Supplier: auto display based on Qty by Supplier table
  - Add Row: button
  - No.
  - Supplier Name: dropdown based on Supplier Database
  - Unit: dropdown based on Unit Database
  - Qty: input integer
  - Action
  - Entries filter
  - Search box
  - Pagination
- ii. Once done, user has to click <Add> button to add it to the main table as shown below:

Value	Total Qty (1 Firm + 3 Forecast)	Inventory Qty	Balance	MOQ	Qty Planning	Supplier
23	1800	200	20	320	123	Add Supplier

Figure 491: Part No.'s planning qty by supplier.

3. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.
4. The status can be divided into:
  - Submitted (grey) – after created
  - Checked (Yellow) – if user click check button.
  - Verified (Light Blue) – if user click verify button.
  - Approved (Dark Blue) - if user click approve button.
  - Declined (Orange) - if user click decline button.
  - Cancelled (Red) - if user click cancel button.

## B. Form

The screen layout for sales order form will be differ based on the action and user can click action based on permission right.

### Action: View

1. Same as 2.2.1.B view action

### Action: Edit

1. Same as 2.2.1.B edit action

### Action: Check

1. Display all information from the latest saved state in read-only mode.
2. Check button is available at the bottom of page.

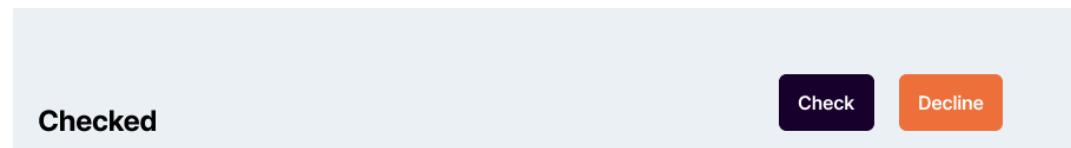


Figure 45: Check section.

- Once user click <Check>, Date, Username, Designation and department will be auto display based on the current date and user information.

Checked		Check	Decline
Date	Username	Designation	Department
01/01/2024	mr. abc	HOD	PVD

Figure 46: After click verify button

- Click <Save> for the changes to be applied.

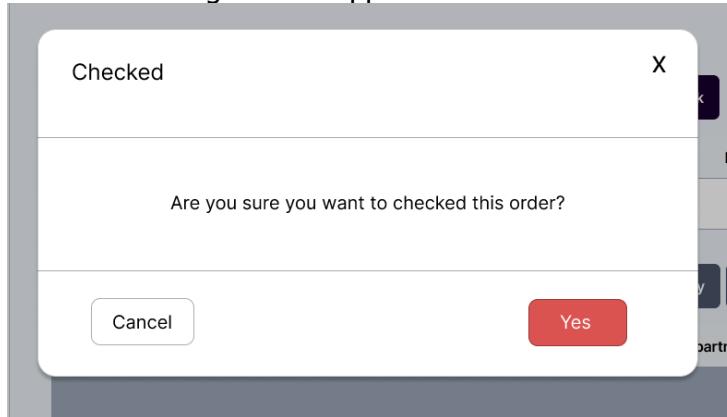


Figure 47: Popup confirmation

- Status of the record will change to "Checked".
- If user click <Decline> button, Date, Username, Designation and Department will be auto display (based on the current date and user information) and Reason field to be keyed in by user.

Declined				Verify	Decline	Cancel
Date	Username	Designation	Department	Reason		
01/01/2024	mr. abc	HOD	BD	[user input]		

Figure 48: After click Decline button

- Once saved, status will change to "Declined".
- If the form is edit after decline action, the status will revert back to "Submitted". The user will need to verify the form again.
- "Verify" and "Approve" table is view mode.

<b>Verified (HOD)</b>			
Date	Username	Designation	Department

<b>Verified (Acc)</b>			
Date	Username	Designation	Department

<b>Approved</b>			
Date	Username	Designation	Department

**Check**   **Decline**   **Cancel**

**Check**   **Decline**

**Approve**   **Decline**   **Cancel**

**Action: Verify (HOD)**

1. Display all information from the latest saved state in read-only mode.
2. Check, Verify (Acc) and Approve is view mode.
3. Verify, Decline and Cancel button is available at the bottom of the page.



Figure 49: Verify section.

3. Once user click <Verify>, Date, Username, Designation and department will be auto display based on the current date and user information.

<b>Verified</b>			
Date	Username	Designation	Department
01/01/2024	mr. abc	HOD	

**Verify**   **Decline**   **Cancel**

Figure 50: After click verify button

4. Click <Save> for the changes to be applied.

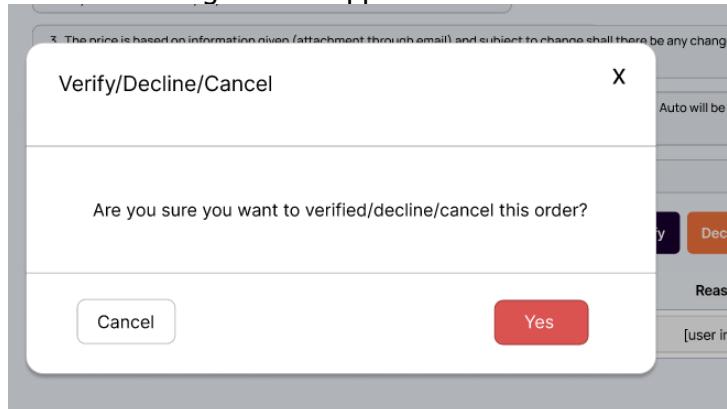


Figure 51: Popup confirmation

5. Status of the record will change to "Verified".
6. User cannot edit anymore once verified and verify action can only be done one time.
7. If user click <Decline> button, Date, Username, Designation and Department will be auto display (based on the current date and user information) and Reason field to be keyed in by user.

Date	Username	Designation	Department	Reason
01/01/2024	mr. abc	HOD	BD	[user input]

Figure 52: After click Decline button

8. Once saved, status will change to "Declined".
9. If user click <Cancel> button, Date, Username, Designation and Department will be auto display (based on the current date and user information) and Reason field to be keyed in by user.

Date	Username	Designation	Department	Reason
01/01/2024	mr. abc	HOD	BD	[user input]

Figure 53: After click cancel

10. If the form is edit after decline action, the status will revert back to "Submitted". The user will need to verify the form again.

**Notes:**

- A notification will be sent if verification is not done within 1 hour.

Action: Verify (Account)

1. Same as Verify (HOD) but do not have Cancel button.
2. Check, Verify (HOD) and Approve is view mode.

Action: Approve

1. Display all information from the latest saved state in read-only mode.
2. Check, Verify (HOD) and Verify (Acc) is view mode.
3. Approve, Decline and Cancel button is available at the bottom of the page.

Date	Username	Designation	Department

Figure 54: Verify section.

3. Once user click <Approve>, Date, Username, Designation and department will be auto display based on the current date and user information.

Approved			
Date	Username	Designation	Department
01/01/2024	mr. abc	HOD	BD

Figure 55: After click approve button

4. Click <Save> for changes to be applied.

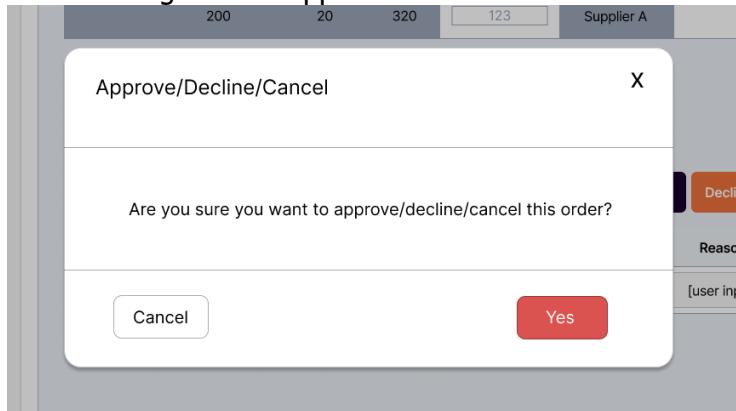


Figure 56: Popup confirmation

5. Status of the record will change to "Approved".
6. User cannot edit anymore once approved and approve action can only be done one time.
7. If user click <Decline> button, Date, Username, Designation and Department will be auto display (based on the current date and user information) and Reason field to be keyed in by user.

Declined				
Date	Username	Designation	Department	Reason
01/01/2024	mr. abc	HOD	BD	[user input]

Figure 57: After click decline button

8. Once saved, status will change to "Declined".
9. If user click <Cancel> button, Date, Username, Designation and Department will be auto display based on the current date and user information and Reason field to be keyed in by user.

Cancelled				
Date	Username	Designation	Department	Reason
01/01/2024	mr. abc	HOD	BD	[user input]

Figure 58: After click cancel button

10. If the form is edit after decline action, the status will revert back to "Submitted".  
The user will need to approve the form again.

**Notes:**

- A notification will be sent if approval is not done within 1 hour.

Action: Delete

1. Same as 2.2.1.B delete action

**2.2.3 Purchase Requisition****A. List**

1. It shows list of records.
2. User can create new purchase requisition.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. PR No.
  - iii. Department
  - iv. Date
  - v. Grand Total
  - vi. PR Status
  - vii. Category
  - viii. Requested By
  - ix. Status (Current Status, Designation and Name)
  - x. Action

Purchase Requisition



No.	PR No.	Department	Date Created	Grand Total	PR Status	Category
1	PR123	Production	1/1/2024	1/1/2024	Priority	Indirect
1	PR123	Production	1/1/2024	1/1/2024	Urgent	Direct I
1	PR123	Production	1/1/2024	1/1/2024	Not Urgent	Printing & St

Figure 59: List

**6. In Action, user will have option dropdown to:**

- i. View
- ii. Edit
- iii. Verify (HOD)
- iv. Verify (Acc)
- v. Approve
- vi. Delete

7. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

### Create new

1. User fill in the create form:

The screenshot shows the 'Purchase Requisition' creation form. At the top, there are two input fields: 'Format: PRunning\_no/ year' and 'Requested By: <auto-display by username>'. A note says 'if pick Others (pls specify) - a textbox will come out for user input'. Below this is the 'Purchase Requisition Details' section with fields for PR No. (auto generated), Department (autodisplay current user), Status (static dropdown), Date (auto display today date but editable), Required Date (date picker), and Category (static dropdown). There are buttons for 'Add Product' and '+ Add Row'. Below this is a table header with columns: No., Part No., Part Name, Price(RM), Qty, Total, Purpose. The table body shows 'No data'. In the bottom left, there's a 'Grand Total: <auto calculate>' field. On the right, there's a note about selecting assets: 'Note if user select asset → after account verified → notify MD for approval' with options: 'else →', '<RM3k by COO', '>RM3k by CEO', and '>RM10K by MD'. There are also fields for Attachment (Choose File, File\_Upload.pdf) and Remarks.

Figure 60: Information key-in

- i. Requested By: auto display current logged in user
- ii. Purchase Requisition Details section consist of:
  - **PR No.:** auto running no. [Format: PR/running no./yyy]
  - **Date.:** auto current date but editable
  - **Department:** auto display based on current user
  - **Required Date.:** date picker
  - **Status:** static dropdown

The screenshot shows a dropdown menu for 'Status' with options: Priority, Urgent, and Not Urgent. Below the dropdown are columns for 'No.', 'Des (Mode)', and 'Price'.

Figure 61: Status dropdown

- **Category:** static dropdown (if others, a new text box will be displayed)

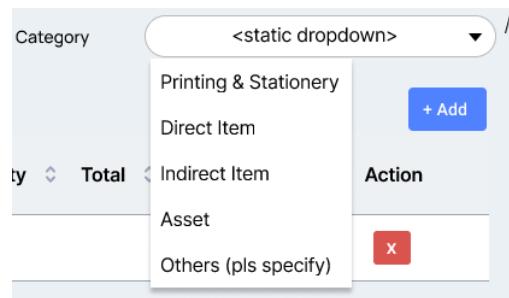


Figure 62: Category dropdown

- **Grand Total:** auto calculate
  - **Attachment:** upload or download (image or file) with view action
  - **Remarks:** textarea input
- iii. Product detail table which consists of:
- Add Product: button to add product
  - **No.**
  - **Part No.**
  - **Part Name**
  - **Price (RM)**
  - **Qty**
  - **Total (RM)**
  - **Purpose**
  - **Action: remove button**
2. If user click “Add Product” button, a Product List will pop up in a modal as following for user to select:

Product List							
		Show 10 entries		Enter search terms			
	Part No.	Part Name	Unit	Model	Variant	Type of Product	Category (OEM/REM)
<input checked="" type="checkbox"/>	CP001	Braker Pad Set	pcs	Proton	Standard	Finish Good	OEM
<input checked="" type="checkbox"/>	CP002	Spark Plug	pcs	Honda	High Flow	Components	REM

Showing 1 to 2 of 101 entries

[+ Add](#)

Figure 63: Search Product to Add

- iii. The modal consists of:
- Entries filter
  - Search box
  - Search based on column
  - Checkbox for each product
  - Part No.: auto display from Product database
  - Part Name: auto display from Product database
  - Unit: auto display from Product database
  - Model: auto display from Product database

- Variance: auto display from Product database
  - Type of Product: auto display from Product database
  - Category: auto display from Product database
  - Pagination
  - Add: button
- iv. Once the product is searched and selected, user has to click <Add> button to add it to the main table as shown below:

No.	Description (Mode, Saiz, Spec)	Price	Qty	Total	Purpose	Action
<input type="button" value="search"/>	<input type="button" value="X"/>					
1	Testing	RM123	RM123	RM456	to use in the office	<input type="button" value="X"/>

Figure 491: New product is added into the table

2. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.
3. The status can be divided into:
  - Requested (Grey) – after created
  - Verified (Light Blue) - if user click verify button.
  - Approved (Dark Blue) - if user click approve button.
  - Declined (Orange) - if user click decline button.
  - Cancelled (Red) - if user click cancel button.

## B. Form

The screen layout for sales order form will be differ based on the action and user can click action based on permission right.

### Action: View

1. Same as 2.2.1.B view action.

### Action: Edit

1. Same as 2.2.1.B edit action.

### Action: Verify (HOD)

1. Same as 2.2.2.B Verify (HOD) action
2. Verify (Acc) and Approve is view mode.

### Action: Verify (Account)

1. Same as 2.2.2.B Verify (Acc) action
2. Verify (HOD) and Approve is view mode.

### Action: Approve

1. Same as 2.2.2.B approve action
2. Verify (Account) and Verify (HOD) table is view mode.

### Action: Delete

1. Same as 2.2.1.B delete action

## 2.2.4 Purchase Order

### A. List

1. It shows list of records.
2. User can create new purchase requisition.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. PO No.
  - iii. Quotation No.
  - iv. Created Date
  - v. Supplier
  - vi. Net Total
  - vii. Quotation No
  - viii. Created Date
  - ix. Status
  - x. Action

Purchase Order

The screenshot shows a table with the following data:

No.	PO No.	Date	Supplier	Net Total	Quotation No.	Status
1	PO123	15/02/2024	Company ABC	102		<span style="background-color: yellow; border-radius: 50%; padding: 2px;">Request</span>

Below the table, there is a message: "Showing 1 to 1 of 1 Entries" and a pagination control with buttons for <, 1, 2, ..., 9, 10, >.

Figure 64: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Preview
  - iii. Edit
  - iv. Check
  - v. Verify
  - vi. Delete
7. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

Create new

1. User fill in the create form:

The screenshot shows the 'Purchase Order Registration' form. At the top right, there are two notes: 'Note: Code Differentiate for Ref No. PP - Purchase Planning PR - Purchase Requisition PO - Purchase Order' and 'Note: user key in/autogenerated based on format'. Below this, the 'Purchase Order Details' section includes fields for PO No. (auto-generated running no.), Quotation Ref. No. (optional), Ref No., Payment Term, Department, Required Date, Supplier, PO Date, Attachment (with a 'Choose File' button), Status, and W/O Discount. A note 'not allow add row in purchase Order' is shown near the status dropdown. The 'Product Purchase Details' section has a header 'Important Note in General Setting Purchase Order' and an 'Add Product' button. It includes a table with columns: No., Required Date, Part No., Part Name, Description, Type Of Product, and Price(RM). A note 'No data available in table' is displayed. The 'Total Section' at the bottom shows Total Quantity, Total Sale Tax, Total Discount, Net Total, and Issued By.

Figure 65: Information key-in

- i. Purchase Order Details section consist of:
- **PO No.:** auto running no. [Format: PO/running no./yyy]
  - **PO Date.:** auto current date
  - **Quotation Ref No. (optional):** dropdown based on created Quotation
  - **PP No.:** checkbox, if ticked it will display PP No. at the Ref No. dropdown based on approved PP
  - **PR No.:** checkbox, if ticked it will display PR No. at the Ref No. dropdown based on approved PR
  - **Ref No.:** dropdown based on the ticked checkbox (PP/PR)
  - **Payment Term:** text input
  - **Department:** dropdown based on Department database
  - **Supplier:** dropdown based on Supplier database
  - **Attachment:** upload or download (image or file) with view action
  - **Important:** dropdown based on general setting
  - **Status:** static dropdown (In Progress and Complete)
  - **W/O Discount:** toggle button (if ON, there will no discount applied for all product at the table)
  - **Required Date:** toggle button (if ON, the Required Date for all product at the table will be same)

- ii. Product Purchase Details table auto based on PP or PR which consists of:
- **Add Product:** button to add product
  - **No.**
  - **Required Date:** datepicker
  - **Part No.**
  - **Part Name**
  - **Type of Product**
  - **Price (RM)**
  - **Qty**
  - **Discount (%)**
  - **Discount**
  - **Sale Tax (%)**
  - **Sale Tax**
  - **Total (RM)**
  - **W/O Discount:** toggle
  - **Action:** remove button
- iii. Total Section calculation based on Product Purchase Details which consists of:
- **Total Quantity:** Sum of quantity
  - **Total Discount:** Sum of discount
  - **Total Sale Tax:** Sum of sale tax
  - **Net Total (RM):** auto minus grand total with total discount and sale tax
  - **Issued By:** auto current logged in user

2. If user click “Add Product” button, a Product List will pop up in a modal as following for user to select:

Product List							
Show	10	entries	Enter search terms				
	Part No.	Part Name	Unit	Model	Variant	Type of Product	Category (OEM/REM)
<input checked="" type="checkbox"/>	CP001	Braker Pad Set	pcs	Proton	Standard	Finish Good	OEM
<input checked="" type="checkbox"/>	CP002	Spark Plug	pcs	Honda	High Flow	Components	REM

Showing 1 to 2 of 101 entries

[1](#) [2](#) ... [9](#) [10](#)

[+ Add](#)

Figure 66: Search Product to Add

- i. The modal consists of:
- Entries filter
  - Search box
  - Search based on column
  - Checkbox for each product
  - Part No.: auto display from Product database
  - Part Name: auto display from Product database
  - Unit: auto display from Product database
  - Model: auto display from Product database
  - Variance: auto display from Product database

- Type of Product: auto display from Product database
  - Category: auto display from Product database
  - Pagination
  - Add: button
- ii. Once the product is searched and selected, user has to click <Add> button to add it to the main table as shown below:

Product Purchase Details							Add Product
No.	Required Date	Part No.	Part Name	Description	Type Of Product	Price	Q
1	1/1/2024	Part123	PartABC	Purchase of raw materials for production.	Level 1 - Finish Good	123	

Figure 491: New product is added into the table

3. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.
4. The status can be divided into:
  - Submitted (grey) – after submit
  - Checked (Yellow) – if user click verify button.
  - Verified (Light Blue) - if user click verify button.
  - Declined (Orange) - if user click decline button.
  - Cancelled (Red) - if user click cancel button.
  - In Progress (Light Yellow) – based on assigned status
  - Completed (Green) – based on assigned status

## B. Form

The screen layout for sales order form will be differ based on the action and user can click action based on permission right.

### Action: View

1. Same as 2.2.1.B view action
2. Generate Preview button to view the generated PO.

### Action: Preview

1. To view generated Purchase Order.

<b>ZENIG AUTO SDN BHD</b>		ZA-SCM-FRM-001											
 <p>(1015897-M) Lot 9414, Jalan Jasmine 1, Seksyen BB 10, Bukit Beruntung, 48300 Rawang, Selangor Darul Ehsan. Tel: 03-6028 1712/ 03-6028 4421 Fax: 03-6028 2844</p>													
<b>TO:</b>	<Supplier Name> <Supplier's Address> <Supplier's Address> <Supplier's Address>												
	<b>Delivery TO:</b>  ZENIG AUTO SDN. BHD Lot 9414, Jalan Jasmine 1 Seksyen BB10, Bukit Beruntung 48300 Rawang Selangor												
<b>ATTN:</b>	<Supplier PIC Name>												
<b>TEL:</b>	<Supplier PIC Telephone No>												
<b>FAX</b>	<Supplier PIC Fax No>												
<b>Payment Term:</b> <autodisplay> <b>PR No:</b> <autodisplay> <b>Department:</b> <autodisplay> <b>Required Date:</b> <autodisplay>		<b>Date:</b> <autodisplay> <b>Important:</b> <auto from general setting>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Item No.</th> <th style="text-align: left; padding: 2px;">Quantity</th> <th style="text-align: left; padding: 2px;">Description/Part No./Part Name</th> <th style="text-align: left; padding: 2px;">Discount</th> <th style="text-align: left; padding: 2px;">Unit Price</th> <th style="text-align: left; padding: 2px;">Amount</th> </tr> </thead> <tbody> <tr> <td style="text-align: left; padding: 2px;">&lt;n0&gt;</td> <td style="text-align: left; padding: 2px;">&lt;auto&gt;</td> </tr> </tbody> </table>	Item No.	Quantity	Description/Part No./Part Name	Discount	Unit Price	Amount	<n0>	<auto>	<auto>	<auto>	<auto>	<auto>	
Item No.	Quantity	Description/Part No./Part Name	Discount	Unit Price	Amount								
<n0>	<auto>	<auto>	<auto>	<auto>	<auto>								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Remark</th> <th style="text-align: left; padding: 2px;">Issued By</th> <th style="text-align: left; padding: 2px;">Checked By</th> <th style="text-align: left; padding: 2px;">Approved By</th> </tr> </thead> <tbody> <tr> <td style="text-align: left; padding: 2px;">&lt;auto&gt;</td> </tr> </tbody> </table>		Remark	Issued By	Checked By	Approved By	<auto>	<auto>	<auto>	<auto>				
Remark	Issued By	Checked By	Approved By										
<auto>	<auto>	<auto>	<auto>										
<small>N.B 1. Bill/Invoice to be submitted in duplicate for payment. 2. ZENIG AUTO. Sdn. Bhd. will not be responsible and will not accept bills for amounts other than those shown. 3. Please notify us immediately if you are unable to ship/deliver as specified</small>													

Figure 67: Preview

**Action: Edit**

1. Same as 2.2.1.B edit action
2. Generate Preview button to view the generated PO.

**Action: Check**

1. Display all information from the latest saved state in read-only mode.
2. Check button is available at the bottom of page.

	<b>Check</b>
--	--------------

Figure 68: Check section.

3. Once user click <Check>, Date, Username, Designation and department will be auto display based on the current date and user information.

<b>Checked</b>			
Date	Username	Designation	Department
01/01/2024	mr. abc	HOD	BD

Figure 69: After click verify button

4. Click <Save> for the changes to be applied.

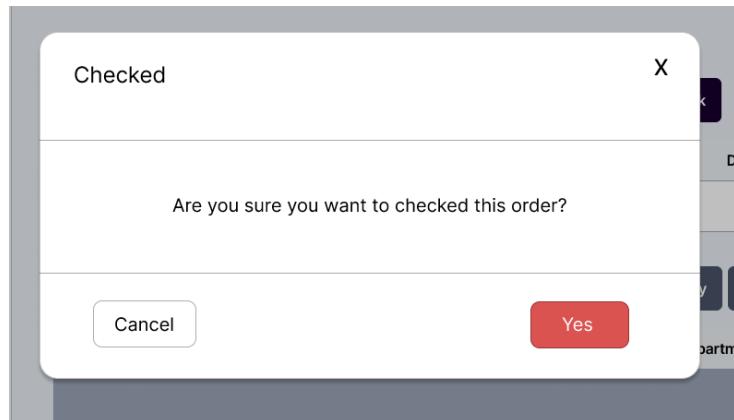


Figure 70: Popup confirmation

5. Status of the record will change to "Checked".
6. "Verify" table is view mode (located above verify table).

Action: Verify

1. Same as 2.2.1.B verify action
2. Generate Preview button to view the generated PO.
3. "Check" table is view mode (located above verify table).

Action: Delete

1. Same as 2.2.1.B delete action

## 2.2.5 Supplier Ranking List

### A. List

1. It shows list of records.
2. User can create new form.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. Supplier Name
  - iii. Ranking Date
  - iv. Customer Ranking
  - v. Created By
  - vi. Created Date
  - vii. Action

## Supplier Ranking List

The screenshot shows a table with columns: No., Supplier Name, Ranking Date, Customer Ranking, Created By, Created Date, and Action. There is a search bar at the top right and a 'Create New' button. The table has one row with data: No. 1, Supplier Name ABC Electronics, Ranking Date 01/2024, Customer Ranking A (highlighted in green), Created By User123, Created Date (not visible), and Action (with a gear icon).

No.	Supplier Name	Ranking Date	Customer Ranking	Created By	Created Date	Action
1	ABC Electronics	01/2024	A	User123		Action

Showing 1 to 1 of 1 Entries

Figure 71: List

6. In Action, user will have option dropdown to:
  - View
  - Edit
  - Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

## Create new

1. User fill in the create form:

The form has fields for Created By (auto-filled) and Created Date (auto-generated). The Supplier details section includes Supplier Name, Ranking, and Ranking Date. A notes panel on the right provides information about the supplier database rankings (A, B, C) and the date format (mm/yyyy).

Supplier details	
Supplier Name:	<dropdown>
Ranking:	<dropdown>
Ranking Date:	<select date>

From supplier database

- A (Green)
- B (Yellow)
- C (Red)

Format:  
mm/yyyy

Figure 72: Information key-in

- i. **Created By:** auto display based on current logged in user
- ii. **Created Date:** auto current date
- iii. **Supplier Name:** dropdown search based on supplier database

iv. **Ranking:** static dropdown

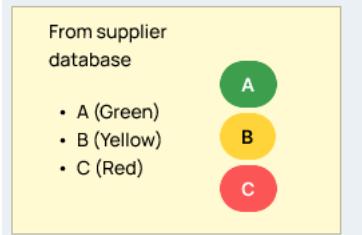


Figure 73: Ranking dropdown

v. **Ranking Date:** datepicker (mm/yyyy)

4. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout for sales order form will be differ based on the action and user can click action based on permission right.

### Action: View

1. Same as 2.2.1.B view action

### Action: Edit

1. Same as 2.2.1.B edit action

### Action: Delete

1. Same as 2.2.1.B delete action

### 3 MES

At the side navigation menu, there are four main menu which are **ERP**, **MES**, **WMS** and **Setting**. Under “**MES**” module, it consists of several sub-module which are Dashboard, Engineering, PPC, Production and OEE.

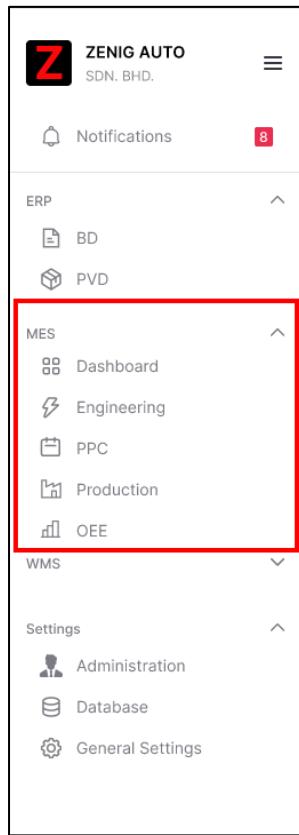


Figure 74: MES Menu

#### 3.1 Dashboard

##### 3.1.1 Machine Status

1. Display all the machine based on process.
2. For TV display, this page will automatically slide and arrow buttons to move left or right will be provided.
3. The dashboard box consists of:
  - Machine Name
  - Machine Status: ON/ OFF
  - Production Order No.: Current running production order
  - Part No.
  - Part Name
  - Planned Qty
  - Produced Qty
  - Rejected Qty
  - Status Order: Status of Production Order consists of Not Initiated (Grey), Started (Green), Paused (Yellow) and Stopped (Red).
  - Shift

4. The background colour of the Machine Name header will change according to the current status of machine which consist of:

- Green (Production)
- Red (Downtime)
- Yellow (Machine Preparation/ Setup)
- Grey (Not Initiated or No Production Order)
- "Require Assistance" blinking red (if Call for Assistance physical button is switched on)

Dashboard / Machine Status		
Machine 1 (YIZUMI 120T)	Machine 2 (YIZUMI 90T)	Machine 3 (YIZUMI 60T)
Machine Status: OFF	Machine Status: OFF	Machine Status: OFF
PRODUCTION ORDER NO. PLN/1/2024/INJ/1	PRODUCTION ORDER NO. PLN/1/2024/INJ/1	PRODUCTION ORDER NO. PLN/1/2024/INJ/1
PART NO 551A-INJ	PART NO 551A-INJ	PART NO 551A-INJ
PART NAME DOOR	PART NAME DOOR	PART NAME DOOR
PLANNED QTY 1000	PLANNED QTY 1000	PLANNED QTY 1000
PRODUCED QTY 500	PRODUCED QTY 500	PRODUCED QTY 500
REJECTED QTY 10	REJECTED QTY 10	REJECTED QTY 10
STATUS ORDER STARTED	STATUS ORDER STARTED	STATUS ORDER STARTED
SHIFT DAY	SHIFT DAY	SHIFT DAY

Machine 1 (YIZUMI 120T)	Machine 2 (YIZUMI 90T)	Machine 3 (YIZUMI 60T)
Machine Status: OFF	Machine Status: OFF	Machine Status: OFF
PRODUCTION ORDER NO. PLN/1/2024/INJ/1	PRODUCTION ORDER NO. PLN/1/2024/INJ/1	PRODUCTION ORDER NO. PLN/1/2024/INJ/1
PART NO 551A-INJ	PART NO 551A-INJ	PART NO 551A-INJ
PART NAME DOOR	PART NAME DOOR	PART NAME DOOR
PLANNED QTY 1000	PLANNED QTY 1000	PLANNED QTY 1000
PRODUCED QTY 500	PRODUCED QTY 500	PRODUCED QTY 500
REJECTED QTY 10	REJECTED QTY 10	REJECTED QTY 10
STATUS ORDER STARTED	STATUS ORDER STARTED	STATUS ORDER STARTED
SHIFT DAY	SHIFT DAY	SHIFT DAY

Figure 75: Machine Status sample— all machine including assembly process

### 3.1.2 Shopfloor

1. Display all the machine based on factory layout.
2. The machine will have a status indicator consists of Not Initiated/ No Order (Grey), Production (Green), Machine Preparation/ Setup (Yellow) and Downtime (Red).
3. If "Call for Assistance" physical button is switched on, the box will keep blinking.
4. Subjected to feasibility.

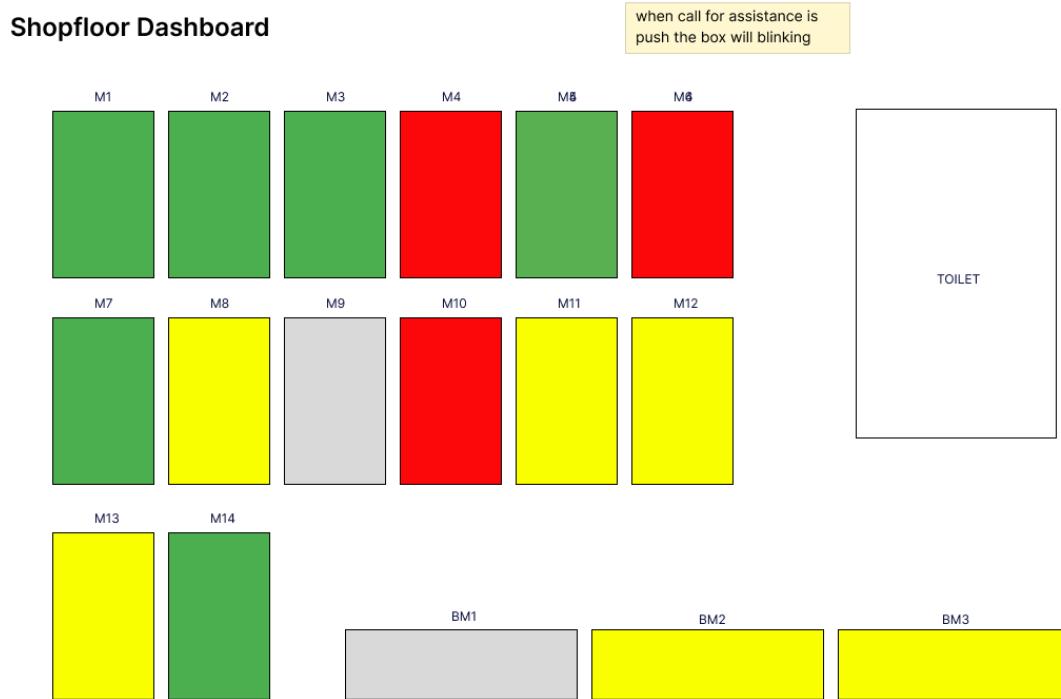


Figure 76: Shopfloor Dashboard Sample

## 3.2 Engineering

### 3.2.1 BOM

#### A. List

1. It shows list of records.
2. User can create new BOM.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. Ref No.
  - iii. Part No.
  - iv. Part Name
  - v. Customer Name
  - vi. Customer Product Code
  - vii. Type of Product
  - viii. Unit
  - ix. Qty
  - x. Model
  - xi. Variance
  - xii. Part Weight (g)
  - xiii. Date
  - xiv. Description
  - xv. Status
  - xvi. Action

BOM

+ Create New

Show 10 entries

Search

Unit	Qty	Model	Variance	Part Weight	Date	Description	Status	Action
Each	50	Model-X	0.5%	0.2kg	01/03/2024	Prototype Assembly	Pending	Action
kg	100	Model-Y	2.0%	0.8kg	01/03/2024	Main Assembly	Verified	Action

Showing 1 to 1 of 1 Entries

1 2 ... 9 10 >

Figure 77: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Verify
  - iv. Inactive
  - v. Delete
7. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

Create new

## 1. User fill in the create form:

**BOM Registration**

**Product Information**

- Revision No.: <auto>
- Ref No.\*: [User input]
- Part No.: <drop down>
- Part Name: <auto-generated>
- Customer Name: <auto-generated>
- Customer Product Code: <auto-generated>
- Model: <auto-generated>
- Variance: <auto-generated>
- Part Weight(g): <auto-generated>

Created By: [autogenerated]

Created Date: [autogenerated/choose date]

Description: [User input]

Attachment 1: Choose File No file chosen

Attachment 2: Choose File No file chosen BOM no need Qty in crushing material section

Attachment 3: Choose File No file chosen

Quantity = 3 decimal points by default. no need machine

Put notes for crushing material: Qty will be assigned at PPC

**Material and Purchase Part**

No.	Part No.	Part Name	Type of Product	Unit	Qty	Remarks	Action
search	search	search	search	search	search	search	
auto	auto	auto	auto	auto	[user input]	<input type="button" value="Add"/>	<input type="button" value="X"/>

**Crushing Material**

No.	Part No.	Part Name	Type of Product	Unit	Remarks	Action
search	search	search	search	search	search	
auto	auto	auto	auto	auto	<input type="button" value="Add"/>	<input type="button" value="X"/>

**Subpart**

No.	Part No.	Part Name	Type of Product	Unit	Qty	Remarks	Action
search	search	search	search	search	search	search	
auto	auto	auto	auto	auto	[user input]	<input type="button" value="Add"/>	<input type="button" value="X"/>

**Process**

No.	Process	Process Number	Raw-Part	Sub-Part	Supplier	Machine Tonnage
1	dropdown	<User input>	multi-select dropdown	multi-select dropdown	dropdown	dropdown

Figure 78: Information key-in

- i. Created By: auto display current logged in user
- ii. Product Information section consist of:
  - **Revision No.:** auto, by default 1
  - **Ref No.:** text input, should be unique and required
  - **Part No.:** dropdown search based on Product database
  - **Part Name:** auto display based on selected Part No.
  - **Customer Name:** auto display based on selected Part No.
  - **Customer Product Code:** auto display based on selected Part No.
  - **Model:** auto display based on selected Part No.

- **Variance:** auto display based on selected Part No.
  - **Part Weight (g):** auto display based on selected Part No.
  - **Created Date.:** auto current date but editable
  - **Description:** textarea input
  - **Attachment 1:** upload or download (image or file) with view action
  - **Attachment 2:** upload or download (image or file) with view action
  - **Attachment 3:** upload or download (image or file) with view action
- iii. Material and Purchase Part section consist of:
- **Add Material:** button
  - **No.**
  - **Part No:** auto based on Product database
  - **Part Name:** auto based on the selected Part No.
  - **Type of Product:** auto based on the selected Part No.
  - **Unit:** auto based on the selected Part No.
  - **Qty:** integer input
  - **Remarks:** add button (Green – have remarks, Red – no remarks)

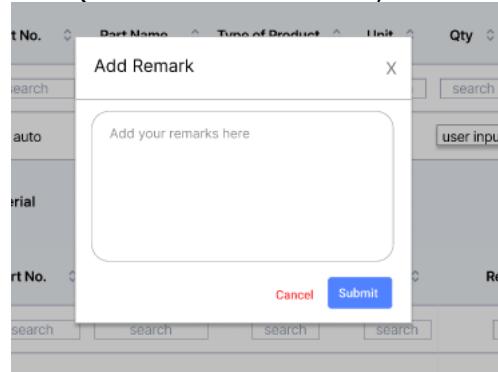


Figure 79: Standardized add Remark

- iv. Crushing Material section consist of:
- **Action:** remove button
- v. Subpart section consist of:
- **Add Subpart:** button
  - **No.**
  - **Part No:** auto based on Product database
  - **Part Name:** auto based on the selected Part No.
  - **Type of Product:** auto based on the selected Part No.
  - **Unit:** auto based on the selected Part No.
  - **Remarks:** add button (Green – have remarks, Red – no remarks)
  - **Action:** remove button
- vi. Process section consist of:
- **Add Row:** button to add empty row

- **No.**
  - **Process:** dropdown based on Process database
  - **Process Number:** integer input
  - **Raw-Part:** multiselect dropdown search based on the section iii,iv and v.
  - **Sub-Part:** multiselect dropdown search based on the section iii,iv and v.
  - **Supplier:** dropdown search based on supplier database (if have subcon)
  - **Machine:** dropdown search based on machine database
  - **Machine Tonnage:** multiselect dropdown search based on machine tonnage database
  - **Cavity:** integer input
  - **CT:** integer input
  - **Action:** remove button
5. If user click "Add Material" or "Add Subpart" button, a Product List will pop up in a modal as following for user to select:
- 
- |                                     | Part No. | Part Name      | Unit | Model  | Variant   | Type of Product | Category (OEM/REM) |
|-------------------------------------|----------|----------------|------|--------|-----------|-----------------|--------------------|
| <input checked="" type="checkbox"/> | CP001    | Braker Pad Set | pcs  | Proton | Standard  | Finish Good     | OEM                |
| <input checked="" type="checkbox"/> | CP002    | Spark Plug     | pcs  | Honda  | High Flow | Components      | REM                |
- Showing 1 to 2 of 101 entries
- + Add
- i. The modal consists of:
- Entries filter
  - Search box
  - Search based on column
  - Checkbox for each product
  - Part No.: auto display from Product database
  - Part Name: auto display from Product database
  - Unit: auto display from Product database
  - Model: auto display from Product database
  - Variance: auto display from Product database
  - Type of Product: auto display from Product database
  - Category: auto display from Product database
  - Pagination
  - Add: button
- ii. Once the product is searched and selected, user has to click <Add> button to add it to the main table.
6. At the bottom there are several buttons:
- <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

7. The status can be divided into:

- Submitted (Yellow) – after created
- Verified (Light Blue) - if user click verify button.
- Declined (Orange) - if user click decline button.
- Cancelled (Red) - if user click cancel button.
- Inactive (No colour) - if user click Inactive button.

## B. Form

The screen layout for sales order form will be differ based on the action and user can click action based on permission right.

### Action: View

1. Display all information from the latest saved state in read-only mode.

### Action: Edit

1. Display all information from the latest saved state.
2. User can edit the details that is not in read-only mode.
3. Save and Back button is available in the bottom-right of the page.

### Action: Verify

1. Display all information from the latest saved state in read-only mode.
2. Verify, Decline and Cancel button is available at the bottom of the page.



Figure 81: Verify section.

3. Once user click <Verify>, Date, Username, Designation and department will be auto display based on the current date and user information.

<b>Verified</b>			
Date	Username	Designation	Department
01/01/2024	mr. abc	HOD	

Figure 82: After click verify button

4. Click <Save> for the changes to be applied.

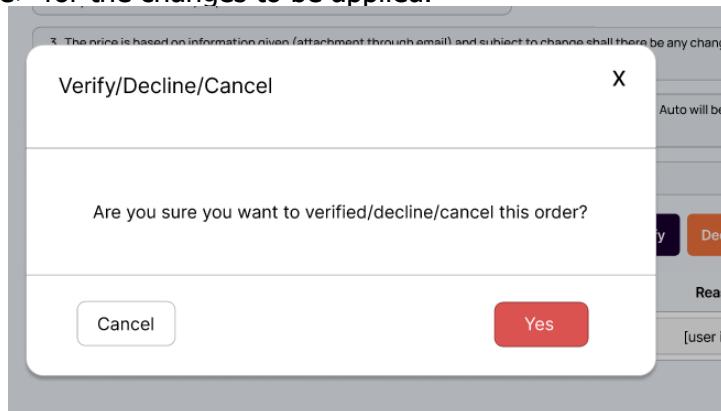


Figure 83: Cancel popup confirmation

5. Status of the record will change to "Verified".
6. User cannot edit anymore once verified and verify action can only be done one time.
7. If user click <Decline> button, Date, Username, Designation and Department will be auto display (based on the current date and user information) and Reason field to be keyed in by user.

Date	Username	Designation	Department	Reason
01/01/2024	mr. abc	HOD	BD	[user input]

Figure 84: After click Decline button

8. Once saved, status will change to "Declined".
9. If user click <Cancel> button, Date, Username, Designation and Department will be auto display (based on the current date and user information) and Reason field to be keyed in by user.

Date	Username	Designation	Department	Reason
01/01/2024	mr. abc	HOD	BD	[user input]

Figure 85: After click cancel

10. If the form is edit after decline action, the status will revert back to "Submitted". The user will need to verify the form again.

**Notes:**

- A notification will be sent if verification is not done within 1 hour.

Action: Inactive

1. If user click this action, it will inactive the BOM (cannot be proceeded any further) and create a duplicate version of the BOM.
2. The Revision No. will be incremented (e.g. from 1 to 2)
3. The Revision No. will be added at the last digit at the BOM Ref No but the user can still edit the Ref No.

Action: Delete

1. User can delete a record.

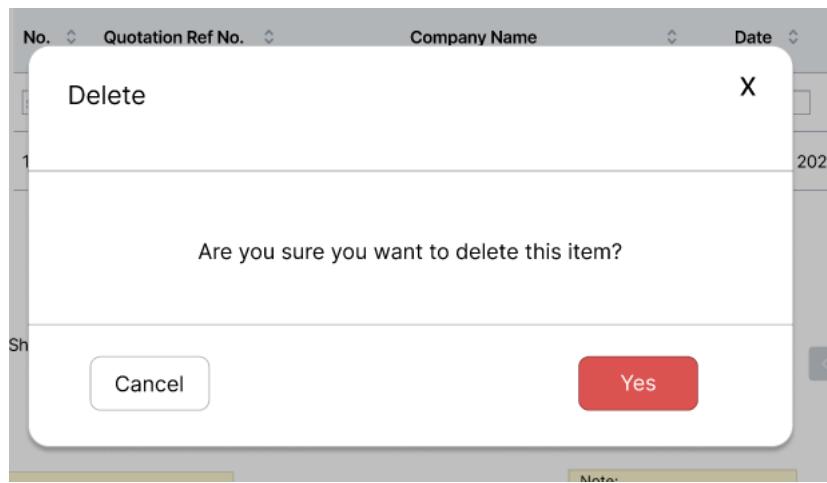


Figure 86: Delete action.

### 3.2.2 BOM Report

#### A. List

- It shows a report's filter and list of BOM.

BOM Report

- export-excel

Select Product

multiselect dropdown ▾

Generate

Show 10 entries
collapsible for sub-part - by default open


🔍

Part No.	Part Name.	Unit	Quantity
74113-T5A-0000	INS, ENG UNDER COVER	PCS	1.00
90114-SE0-0	SCREW, WASH, 5X20(TAPPING)	PCS	6.00
90308-SB2-130	NUT SUS M5	PCS	6.00
74111-TSR-A002-INJ	COVER, ENG UNDER	PCS	1.00
74165-T5A-0101-INJ	SPLASH GUARD L,FR	PCS	1.00
74115-T5A-0000-INJ	SPLASH GUARD R,FR	PCS	1.00

Item No.: R-74110-T5H-H001:COVER ASSY ENG UNDER (Misc. Cost: 0.00)

subpart that has BOM is collapsible

Figure 87: BOM Report

- Generated after a BOM is created.
- At the filter section, it consists of:

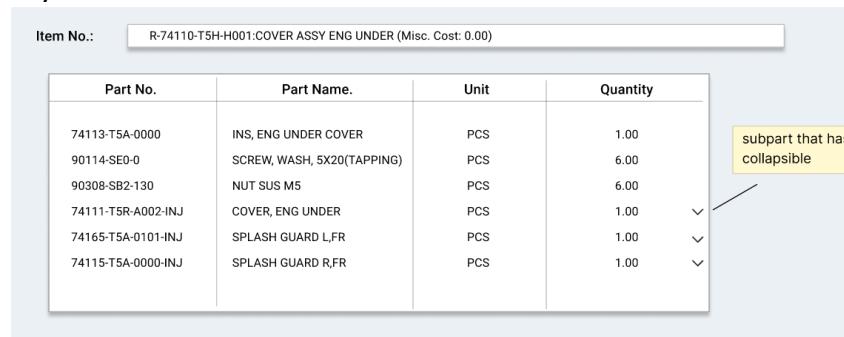
Select Product

multiselect dropdown ▾

Generate

Figure 88: Filter section

- Search button
  - **Part No.:** multiselect dropdown with search based on Product database
4. The list will show several columns below:
- i. Product
  - ii. Part No.
  - iii. Part Name
  - iv. Unit
  - v. Quantity

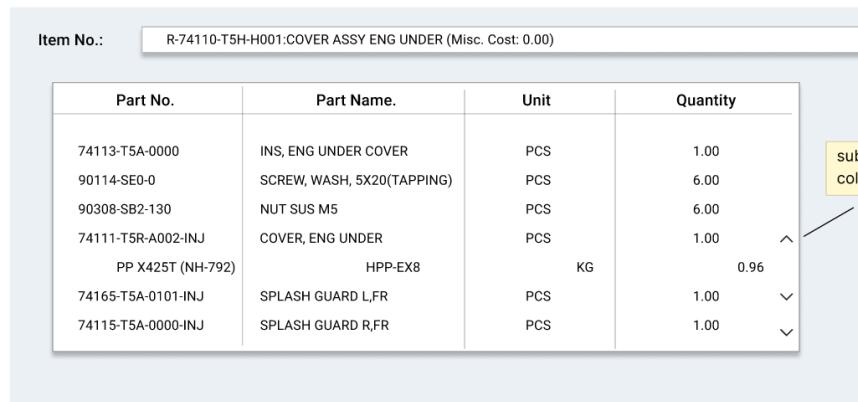


The screenshot shows a table titled "R-74110-T5H-H001:COVER ASSY ENG UNDER (Misc. Cost: 0.00)". The table has four columns: Part No., Part Name., Unit, and Quantity. There are six rows of data. To the right of the table, a yellow callout box with a pointer points to the quantity column of the last row, containing a collapse icon (a downward arrow). Another yellow callout box with a pointer points to the same row, containing the text "subpart that has collapsible".

Part No.	Part Name.	Unit	Quantity
74113-T5A-0000	INS, ENG UNDER COVER	PCS	1.00
90114-SE0-0	SCREW, WASH, 5X20(TAPPING)	PCS	6.00
90308-SB2-130	NUT SUS M5	PCS	6.00
74111-T5R-A002-INJ	COVER, ENG UNDER	PCS	1.00
74165-T5A-0101-INJ	SPLASH GUARD L,FR	PCS	1.00
74115-T5A-0000-INJ	SPLASH GUARD R,FR	PCS	1.00

Figure 89: Product BOM details

5. User can click the expand or collapse icon to view the child part details.



The screenshot shows a table titled "R-74110-T5H-H001:COVER ASSY ENG UNDER (Misc. Cost: 0.00)". The table has four columns: Part No., Part Name., Unit, and Quantity. There are seven rows of data. The last row contains a different unit (KG) and quantity (0.96). A yellow callout box with a pointer points to the quantity column of the last row, containing an expand icon (an upward arrow). Another yellow callout box with a pointer points to the same row, containing the text "subpart that has collapsible".

Part No.	Part Name.	Unit	Quantity
74113-T5A-0000	INS, ENG UNDER COVER	PCS	1.00
90114-SE0-0	SCREW, WASH, 5X20(TAPPING)	PCS	6.00
90308-SB2-130	NUT SUS M5	PCS	6.00
74111-T5R-A002-INJ	COVER, ENG UNDER	PCS	1.00
PP X425T (NH-792)	HPP-EX8	KG	0.96
74165-T5A-0101-INJ	SPLASH GUARD L,FR	PCS	1.00
74115-T5A-0000-INJ	SPLASH GUARD R,FR	PCS	1.00

Figure 90: Expand or collapse details

6. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.
7. User can search based on main search field at the top.

### 3.3 PPC

#### 3.3.1 Monthly Production Planning

1. MPP has to be generated for every monthly production before proceed Daily Production Planning.
2. Export button (as csv) is available at the page.
3. The page will show the following fields and tables: -
  - i. **Order No.:** dropdown based on registered Order
  - ii. **Select Customer:** dropdown based on customer database
  - iii. **Select Order Month:** monthpicker
  - iv. **Generate:** button
4. If "Generate" button is clicked, two tables will be displayed (based on the selected Order No., Customer and Order month):

The screenshot shows a web-based application for 'Monthly Production Planning'. At the top, there are input fields for 'Sales Order' (dropdown), 'Registration No.' (dropdown), 'Select Customer' (dropdown), and 'Select Order Month' (dropdown). A 'View.DI' button with an eye icon is also present. A yellow callout box provides instructions: 'calculate all 30 days or 29 or 28 days generated list for that one then we calculate product estimation from here. similarly with daily production, we not allow anything just DI. if one month they have 3 customer to produce they can. monthly generate customer 1, customer 2, customer 3, but daily.' Another callout box says 'go to order month DI selected when click eye icon'. A 'Generate' button is located at the bottom right.

The main interface displays two tables:

- Product Table:** Headers: No., Part No., Part Name, Type of Product, Model, Variance, Current Inventory Qty. Data: 1, <auto>, <auto>, <auto>, <auto>, <auto>, 30.
- DI Table:** Headers: DI Date, Estimated Inventory Qty, Required Qty, DI Qty, 1 Day Buffer Qty, 3D Buffer Qty, Total Required Qty. Data: <auto>, <auto>, <auto>, <auto>, <auto>, <auto>, <auto>.

Figure 91: After click Generate button

i. **Product table consist of:**

- No.
- Part No.
- Part Name
- Type of Product
- Model
- Variance
- Current Inventory Qty

ii. **DI table consist of:**

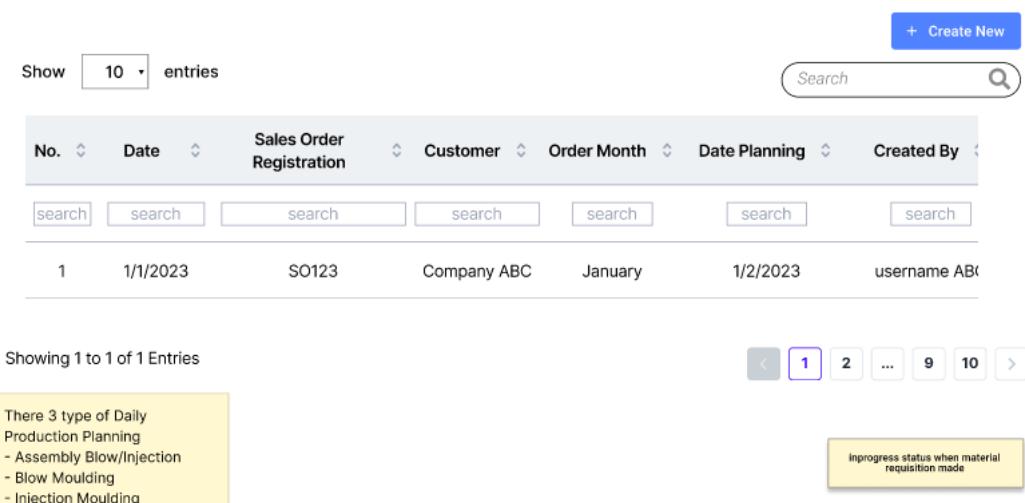
- DI Date
- Estimated Inventory Qty
- Required Qty
- DI Qty
- 1 Day Buffer Qty
- 3D Buffer Qty
- Total Required Qty: Required Qty + 3D Buffer Qty
- Estimated Produced Qty: Total Required Qty - Estimated Inventory Qty

### 3.3.2 Daily Production Planning

#### A. List

1. It shows list of records.
2. User can create new planning.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. Order No.
  - iii. Customer
  - iv. Order Month
  - v. Planning Date
  - vi. Created By
  - vii. Created Date
  - viii. Status
  - ix. Action

Daily Production Planning



The screenshot shows a list view for 'Daily Production Planning'. At the top right is a blue 'Create New' button. Below it is a search bar with a magnifying glass icon. On the left, there's a dropdown for 'Show' set to '10 entries'. The main area has a table header with columns: No., Date, Sales Order Registration, Customer, Order Month, Date Planning, and Created By. Each column has a dropdown arrow indicating it's sortable. Below the header are seven small 'search' buttons. A single record is listed: Row 1, Date 1/1/2023, Sales Order Registration SO123, Customer Company ABC, Order Month January, Date Planning 1/2/2023, and Created By username ABC. At the bottom, it says 'Showing 1 to 1 of 1 Entries' and shows a page navigation with buttons for <, 1, 2, ..., 9, 10, >. Two yellow callout boxes are present: one on the left stating 'There are 3 types of Daily Production Planning - Assembly Blow/Injection - Blow Moulding - Injection Moulding' and one on the right stating 'In progress status when material requisition made'.

No.	Date	Sales Order Registration	Customer	Order Month	Date Planning	Created By
1	1/1/2023	SO123	Company ABC	January	1/2/2023	username ABC

Figure 92: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

Create new

1. User fill in the create form:

**Daily Production Planning**

**Daily Production Planning Details**

Order No.:	<dropdown>	ref no. for production planning daily
Customer:	<autodisplay>	auto-generated today date but editable
Order Month:	<autodisplay>	
Planning Date:	<date picker>	

This table shows all the main part

Estimated Planning Qty:  
By default qty by month planning but editable

Created Date: <auto>

Created By: <login user display>

Planning Ref No.: <auto>

Status: <static dropdown>

**Product List:**

No.	Part No.	Part Name	Type of Product	Model	Variance	Unit	DI Qty	Current Inventory Qty
1	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>

**Child-part List:**

No.	Parent No.	Part No.	Part Name	Model	Variance	Type of Product	Unit	Unit Qty
1	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>

**Next**

Figure 93: Information key-in

i. Daily Production Planning section consist of:

- **Order No.:** dropdown based on registered Order No.
- **Customer:** auto display based on selected Order No.
- **Order Month:** auto display based on selected Order No.
- **Planning Date:** datepicker
- **Created Date.:** auto current date
- **Created By.:** auto current logged in user
- **Planning Ref No.:** auto running no. [Format: PLN/running no./yyy]
- **Status:** static dropdown

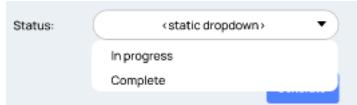


Figure 94: Status dropdown

- **Generate:** button

2. If “Generate” button is clicked, product table will be displayed (based on the selected Order No. above):

main part

Estimated Planning Qty:  
By default qty by month planning but editable

**Product List:**

No.	Part No.	Part Name	Type of Product	Model	Variance	Unit	DI Qty	Current Inventory Qty
1	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>

Figure 95: After click Generate button

- i. Product table (auto based on monthly planning) consist of:
- No.
  - Part No.
  - Part Name
  - Type of Product
  - Model
  - Variance
  - Unit
  - DI Qty
  - Current Inventory Qty
  - Estimated Total Required
  - Estimated Planning Qty: Estimated Total Required- Current Inventory Qty, editable
3. If user click "Next" button, it will generate the Child - part product planning table:

Child-part List:									Next
No.	Parent No.	Part No.	Part Name	Model	Variance	Type of Product	Unit	Unit Qty	
1	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>	

Figure 96: After click Next button

- i. Child – part list (auto based on monthly planning) consists of:
- No.
  - Parent Part No.
  - Part No.
  - Part Name
  - Type of Product
  - Model
  - Variance
  - Unit
  - DI Qty
  - Total Required Qty
  - Current Inventory Qty
  - Estimated Total Required
  - Estimated Planning Qty: Estimated Total Required- Current Inventory Qty, editable
4. If user click "Next >> Scheduling" button, it will redirect to the Scheduling page. The page will show the following list: -

Production Scheduling

Order No.: <autodisplay>      Created Date: <autodisplay>

Customer: <autodisplay>      Created By: <login user display>

Order Month: <autodisplay>      Planning Ref No.: <autodisplay>

No.	Process	Process No	Part No.	Part Name	Model	Variance	Type of Product	M P
1	ASSEMBLE	1	D38L 64780-BZ200-C0	PANEL ASSY, BACK DOOR TRIM	D38L	STD	FINISH GOOD	D 9C C PF K1
2	INJECTION	1	D38L 64780-BZ030-INJ	BOARD BACK DOOR TRIM	D38L	STD	Child part	

Figure 97: Scheduling list

- i. Order No.: auto based on selected DPP
- ii. Customer: auto based on selected DPP
- iii. Order Month: auto based on selected DPP
- iv. Created Date: auto based on selected DPP
- v. Created By: auto based on selected DPP
- vi. Planning Ref No.: auto based on selected DPP
- vii. The table (based on BOM) consist of:
  - Process
  - Process No.
  - Part No.
  - Part Name
  - Model
  - Variance
  - Type of Product
  - Material and Purchase Part
  - Child Part
  - CT (s)
  - Total Planned Qty: auto based on Planned Qty at <Planning>
  - Action: <Planning> button
- viii. If user click <Planning> button, a popup will be displayed as following:
  - Planning Ref No.: auto based on selected DPP
  - Part No.: auto based on selected DPP
  - Part Name: auto based on selected DPP
  - Process: auto based on selected DPP
  - Total Plan Qty: auto based on selected DPP
  - Plan Qty: auto based on the sum of Planned Qty at the Scheduling table
  - Add Row: button to add new row
  - Scheduling table

The screenshot shows a software interface for scheduling planning. At the top, there are input fields for 'Planning Ref No.' (DPP/24/1), 'Part No.' (D38L64780-BZ200-C0), and 'Part Name' (PANEL ASSY, BACK DOOR TRIM). To the right, a 'Process' dropdown is set to 'ASSEMBLE' and a 'Total Plan Qty' of 293 is displayed. Below these, a table header defines columns for Shift, Spec Break, Planned Qty, Machine, Machine Tonnage, Cavity, Proceed Request Material, and Action. The 'Action' column contains a 'Proceed' button, which is highlighted in blue. The table body is currently empty. Several yellow callout boxes provide instructions for specific fields and buttons:

- A box near the top right explains that 'Total Plan Qty is based on main table' and 'Plan Qty based on table below'.
- A box under the table header lists: 'Production Order No Format: <planning Ref No. /process/runnning no. >', 'Planned date by default take planning date but user can change', and 'machine tonnage and cavity by default from BOM but user can change'.
- A box under the table body lists: 'once request and save → cannot request again', 'click to proceed will generate material request inquiry', 'status show not initiated for material requisition', and 'button proceed only available after save the detail'.
- A box near the bottom right has a 'Save' button with a disk icon.

Figure 98: Scheduling - Planning modal

ix. The scheduling table consist of:

- Production Order No.: auto running no. [format: Planning Ref No./process/running no.]
- Planned Date: datepicker, auto based on Planning Date (DPP)
- Operator Name: multiselect search dropdown
- Shift: static dropdown

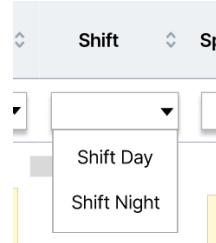


Figure 99: Shift dropdown

- Spec Break: dropdown

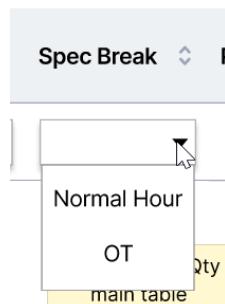


Figure 100: Spec Break dropdown

- Planned Qty: integer input
- Process: dropdown based on process database
- Machine: auto based on BOM but editable dropdown based on machine database
- Machine Tonnage: auto based on BOM but editable dropdown based on machine tonnage database
- Cavity: auto based on BOM but editable
- Proceed Request Material: Proceed button (Only available after the form is saved. If clicked, it will auto create MRP Planning)

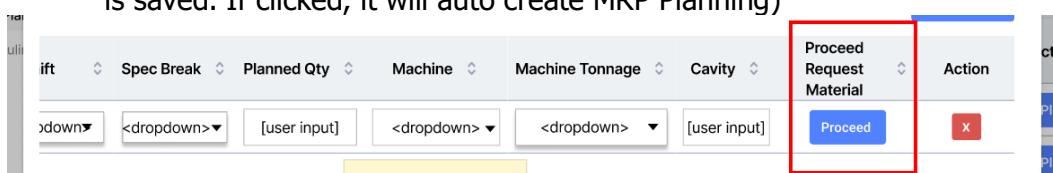


Figure 101: Proceed button

x. Save button to save the changes.

5. If user click "Proceed Request Material", it will redirect user to MRP Planning:

**Material Planning**

**Material Requisition Form Details**

Production Order Ref. No:	Running No.	based on production date	Running No.
Request Date:	< auto display >	MRF No.:	< autodisplay >
Department:	< autodisplay >	Shift:	< autodisplay >
Planned Date:	production planning	Process:	< autodisplay >
	<auto>	Total Planned Qty:	<autodisplay>
		Remarks:	[user input]

**Item List:**

No.	Machine	Part No.	Part Name	Type of Product	Model	Variance	Unit	Qty
1	M1	123	ABC	xxx	xxx	xxx	pcs	

Figure 102: MRP Planning

- i. Production Order No.: auto based on scheduled Production Order no.
  - ii. Requested Date: auto current date
  - iii. Department: auto based on requester's department
  - iv. Planned Date: auto based on scheduled Production Order no.
  - v. MRF No.: auto running no. [Format: MRF/running no./yyyy]
  - vi. Shift: auto based on scheduled Production Order no.
  - vii. Process: auto based on scheduled Production Order no.
  - viii. Total Planned Qty: auto based on scheduled Production Order no.
  - ix. Remarks: textarea input
  - x. A table consist of:
    - No.
    - Machine/ Line: auto based on the Production Order no.
    - Part No.: auto based on the Production Order no.
    - Part Name: auto based on the Production Order no.
    - Type of Product: auto based on the Production Order no.
    - Model: auto based on selected Production Order no.
    - Variance: auto based on selected Production Order no.
    - Unit: auto based on selected Production Order no.
    - Quantity from BOM: auto
    - Current Qty from Store: auto
    - Request Qty from Store: integer input
    - Current Qty from Production: auto
    - Request Qty from Production: integer input
    - Total Requested Qty: auto sum
    - Difference (Total Request – BOM Qty): auto deduct
  - xi. If click <Save>, MRF will be auto created to Store or Production.
6. At the bottom there are several buttons:
- <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

7. The status can be divided into:

- In Progress (Light Yellow) – based on assigned status
- Completed (Green) – based on assigned status

## B. Form

The screen layout for sales order form will be differ based on the action and user can click action based on permission right.

### Action: View

1. Same as 3.2.1.B view action.

### Action: Edit

1. Same as 3.2.1.B edit action.
2. Cannot be edited once Proceed Request Material.

### Action: Delete

1. Same as 3.2.1.B delete action.

## 3.3.3 Scheduling

1. It shows a calendar of events where it consists of the scheduled production as below:

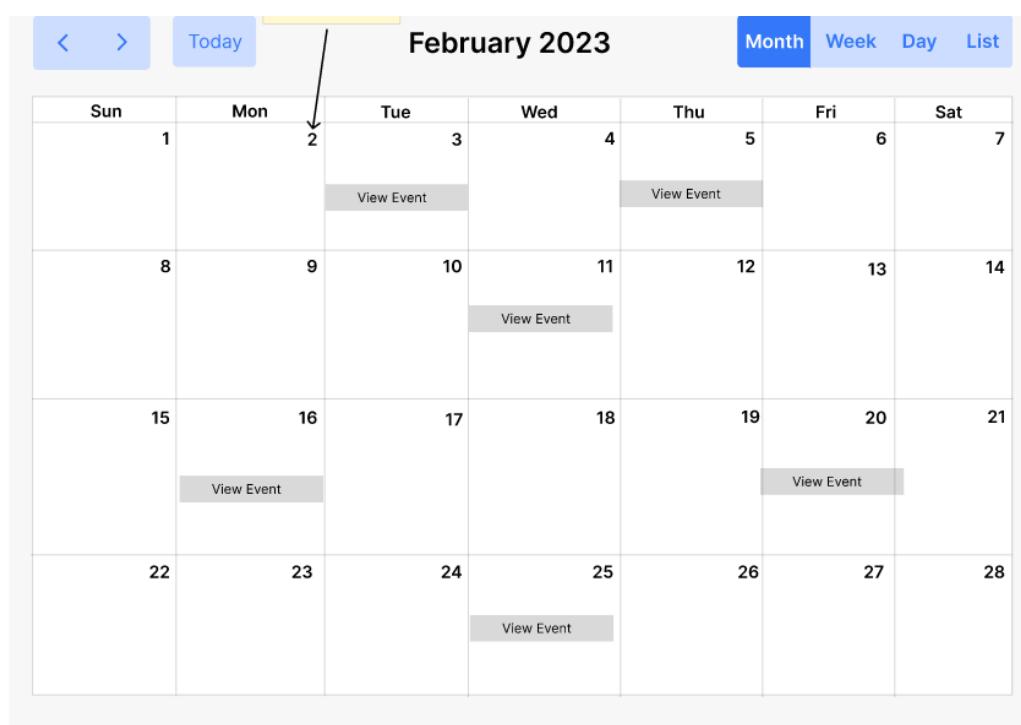


Figure 103: Scheduling calendar

2. If user click "View Event", it will pop up the following details:

- **Title**
- **Date**
- **Entries filter:** 10,25,50,100
- **Search box**

- Table of information:** Production Order No., Machine, Process, Shift and Status (Start – Green, Pause – Orange and Stop – Red)

Production Order No.	Machine Name	Process	Shift	Status
PO-001	Machine A	Assembly	Day	Start
PO-002	Machine B	Injection	Night	Stop
PO-003	Machine C	Blow	Day	Start
PO-003	Machine D	Assembly	Day	Stop

A yellow callout box contains the text: "• schedule event auto update from planning". Another yellow callout box at the bottom left contains the text: "• production order no = ref no from PPC + auto running no".

Figure 104: Scheduling view event

## 3.4 Production

### 3.4.1 Daily Production Output

#### A. List

1. It shows list of production output records.
2. Generated after scheduling – proceed material request is done.
3. The list will show several columns below:
  - i. Advanced Search filter
  - ii. Sr#
  - iii. Production Date
  - iv. Production Order No.
  - v. Process
  - vi. Part No.
  - vii. Part Name
  - viii. Shift
  - ix. Operator Name
  - x. Total Produced
  - xi. Total Rejected Qty
  - xii. Total Good Qty
  - xiii. Status
  - xiv. Action

#### Production Output Traceability

No.	Production Date	Production Order No.	Process	Part No.	Part Name	Shift
1	08-02-2024	PO-001	Injection	G123	Gear	Day

Showing 1 to 1 of 1 Entries

Figure 105: List

4. If user click on the Advanced Search, it will show the following filter:

The screenshot shows a 'Advanced Search' interface. It includes fields for 'Start Date' and 'End Date' with date pickers, a dropdown for 'Process', two multiselect dropdowns for 'Production Order No.' and 'Part No.', and a large 'Search' button.

Figure 106: Filter section

- Search button
- **Date range:** start date picker and end date picker

The screenshot shows a 'Date Range' picker for 'Start Date' and 'End Date'. The calendar for January 2024 is displayed, with the 8th highlighted. Below the calendar are search fields for 'Ref No.' and 'Item Code', and two 'Search' buttons.

Figure 107: Date range picker (start date and end date)

- **Process:** multiselect dropdown with search
- **Production Order No.:** multiselect dropdown with search
- **Part No.:** multiselect dropdown with search

5. In Action, user will have option dropdown to:

- i. View
- ii. Edit
- iii. QC
- iv. Delete

6. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.

7. User can search based on each column or at main search field at the top.  
8. User can sort column in increasing or decreasing order.

9. The status can be divided into:

- Start (Green) - if user click Start button
- Pause (Orange) – if user click Pause button
- Stop (Red) - if user click Stop button
- QC Done (Light Blue) – if user has done QC action

## B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights.

### Action: View

1. Display all information in Read-only mode.

### Action: Edit

1. Display all information in Read-only mode.
2. User can edit the details that is not in read-only mode.
3. Save and Back button is available in the bottom-right of the page.

**Production Output Traceability**

Production Button

Start
 Pause
 Stop

clicking stop will have pop out to put reason.  
maintenance need to verify

**Production Output Traceability Details**

Production Order No.:	PO-001	Machine:	injection M1
Process:	Injection	Shift:	Day
Production Date:	08-02-2024	Operator	John X Jane X
Part No.:	G123	Planned Qty:	1000
Part Name:	Gear	Report Qty:	980
Purging weight (g):	10	Remaining Qty:	980

• Total Produced = Rejected/Setup Count + Good Count  
• If accidentally stop, pop out confirmation and state reason

might add text for unit or just make all cycle time in (s)

report qty = total good count

Planned Cycle Time(s):	30	Actual Cycle Time(s):	32
Planned Qty/hr:	120	Actual Qty/hr:	112

**Raw Material Information**

After production finish, user will key in purging/extrude material (g)  
--- crushing material

No.	Part No.	Part Name	Type	Variance	Model
<auto>	<auto>	<auto>	<auto>	<auto>	<auto>

Total - reject = Good quantity

If click + button, pop out rejection modal

**Shift 1**

Time	Total Qty	Reject Quantity	Good Quantity	Remarks	Rejection Type
8AM-9AM	<from PLC>	[user input]	<autocalculate>	[user input]	
9AM-10AM	<from PLC>	[user input]	<autocalculate>	[user input]	
10AM-11AM	<from PLC>	[user input]	<autocalculate>	[user input]	
11AM-12PM	<from PLC>	[user input]	<autocalculate>	[user input]	
12PM-1PM	<from PLC>	[user input]	<autocalculate>	[user input]	
1PM-2PM	<from PLC>	[user input]	<autocalculate>	[user input]	
2PM-3PM	<from PLC>	[user input]	<autocalculate>	[user input]	
3PM-4PM	<from PLC>	[user input]	<autocalculate>	[user input]	
4PM-5PM	<from PLC>	[user input]	<autocalculate>	[user input]	
4PM-5PM	<from PLC>	[user input]	<autocalculate>	[user input]	
6PM-7PM	<from PLC>	[user input]	<autocalculate>	[user input]	
7PM-8PM	<from PLC>	[user input]	<autocalculate>	[user input]	
Total	<autocalculate>	<autocalculate>	<autocalculate>		

**Production Time Details**

Start datetime	End datetime	Total time (min)	Machine	Machi
start_time	pause_time	auto_calculate	auto_calculate	mac

**Production Machine Detail**

Production Status	Machine	Start datetime	End datetime	Total time (min)
production_status	machine_no	datetime_start	datetime_end	end_time - start_time

Figure 108: Production Output form

- i. Production Button consist of:
- Start
  - Pause
  - Stop (if user click, a popup will be displayed to state reason)



Figure 109: After click Stop button

- ii. Production Output Traceability Details section consist of:
- **Production Order No.:** auto based on daily production planning
  - **Process:** auto based on daily production planning
  - **Production Date:** auto based on daily production planning but editable
  - **Part No.:** auto based on daily production planning
  - **Part Name:** auto based on daily production planning
  - **Purging/ Crushing Weight (g):** input integer
  - **Machine:** auto based on daily production planning but editable
  - **Shift:** auto based on daily production planning
  - **Operator:** auto based on daily production planning, but editable (multiselect dropdown with search)
  - **Planned Qty:** auto based on daily production planning
  - **Reported Qty:** auto based on Good Quantity total
  - **Remaining Qty:** Planned Qty – Reported Qty
  - **Planned Cycle Time (s):** auto based on daily production planning
  - **Actual Cycle Time (s):** auto based on average cycle time from hardware
  - **Planned Qty/hr:** auto based on daily production planning
  - **Actual Qty/hr:** auto based on actual average good quantity
- iii. Raw Material Information table (auto based on production scheduling) which consists of:
- **No.**
  - **Part No.**
  - **Part Name**
  - **Type of Product**
  - **Variance**
  - **Model**
- iv. Shift Information table which consists of:
- **Time:** fixed hourly time as shown in the figure
  - **Total Qty:** from PLC (Rejected Qty/Setup Qty + Good Qty)
  - **Reject Quantity:** integer input
  - **Good Quantity:** auto from Total Qty – Reject Quantity
  - **Remarks:** text box
  - **Rejection Type:** Add button
  - **Total Qty:** auto display

- **Total Reject Quantity:** auto display
  - **Total Good Quantity:** auto display
  - v. Production time detail section which consists of:
    - **Start datetime:** production order is started
    - **End datetime:** production order is stopped
    - **Total time (min):** End datetime – start datetime
    - **Machine:** auto based on assigned machine
    - **Machine Count:** auto based on Total Qty
  - vi. Production machine detail section which consists of:
    - **Production Status:** auto based on machine status (production, downtime or machine preparation)
    - **Machine:** auto based on machine status (production, downtime or machine preparation)
    - **Start datetime:** auto based on collected data from hardware
    - **End datetime:** auto based on collected data from hardware
    - **Total time (min):** End datetime – start datetime
2. If user click "+" at Rejection Type column, it will pop up the following for user to key in:

Rejected Qty	Rejection Type	Comments	Action
user input	<dropdown>	user input	+ -

Showing 1 to 1 of 1 Entries

Done Close

2PM-3PM <from PLC> [user input] <autocalculate> [user input]

Figure 110: Add rejection type

- i. Title
- ii. Time: selected hour
- iii. Entries filter
- iv. Main search box
- v. Search by column
- vi. Table of rejection which consist of:
  - Rejected Qty: integer input
  - Rejection Type: dropdown based on Type of Rejection database
  - Comment: text input
  - Action: add or remove row

#### Action: QC

1. Display all extracted information from last saved state as Read-only mode.
2. Authorized user can edit the details that is not in read-only mode.
3. Save and Back button is available in the bottom-right of the page.
4. The product table have additional Total (By QC) row under the Shift output data which are:
  - i. **Total Qty:** auto display
  - ii. **Total Reject Quantity:** auto based on rejected qty keyed in at "+".
  - iii. **Total Good Quantity:** Total Qty – Total Reject Qty
  - iv. **“+” button:** add rejection type and quantity (same as in Edit action Point 2)

Total	<input type="button" value="autocalculate"/>	<input type="text" value="user input"/>	<input type="button" value="autocalculate"/>
Total (By QC)	<input type="button" value="autocalculate"/>	<input type="text" value="user input"/>	<input type="button" value="autocalculate"/> +

After production end, QC will be done first to verify the final output. The QC may change the final rejected or good quantity

Figure 111: Total (By QC) to be keyed in by QC

**Action: Delete**

1. User can delete a record.

**3.4.2 Summary Report****A. List**

1. It shows a report's filter and summary report.
2. By default, will show top ten machine or product.



Figure 112: Summary Report

3. At the filter section, it consists of:

The screenshot shows a user interface for filtering data. It includes a 'Date Range' section with two date pickers, a 'Select All' toggle button, a 'Sort By' section with 'Ascending' selected, a 'Machine' multiselect dropdown, a 'Machine / Product' multiselect dropdown, and a 'Search' button.

Figure 113: Filter section

- Search button
- **Date range:** start date picker and end date picker

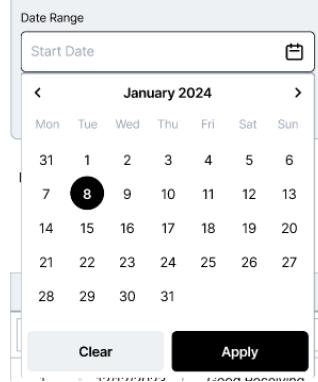


Figure 114: Date range picker (start date and end date)

- **Select All:** toggle button
- **Machine:** multiselect dropdown with search based on machine database
- **Product:** multiselect dropdown with search based on product database
- **Sort By:** sorting function (increasing or decreasing)

4. If user click the <Search> button, it will display the graph for the following parameter:

- i. Production time (hrs)
- ii. Production time (%)
- iii. Down time (hrs)
- iv. Down Time (%)
- v. Setup Time (hrs)
- vi. Setup Time (%)
- vii. Setup frequency
- viii. Rejected (pcs)
- ix. Rejected (kg)
- x. Rejected (%)
- xi. Planned vs Actual Qty (pcs)

### Machine Graph

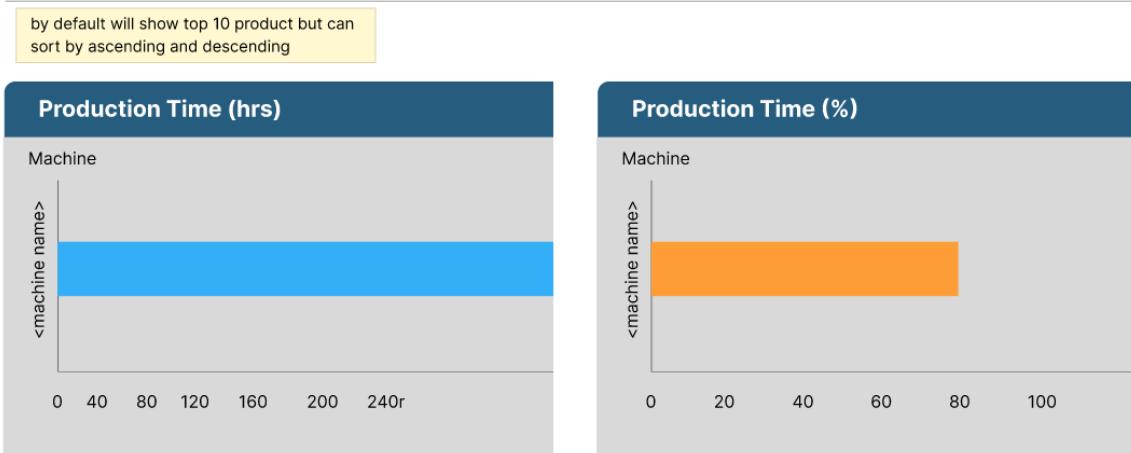


Figure 115: Machine Graph sample

### Product Graph

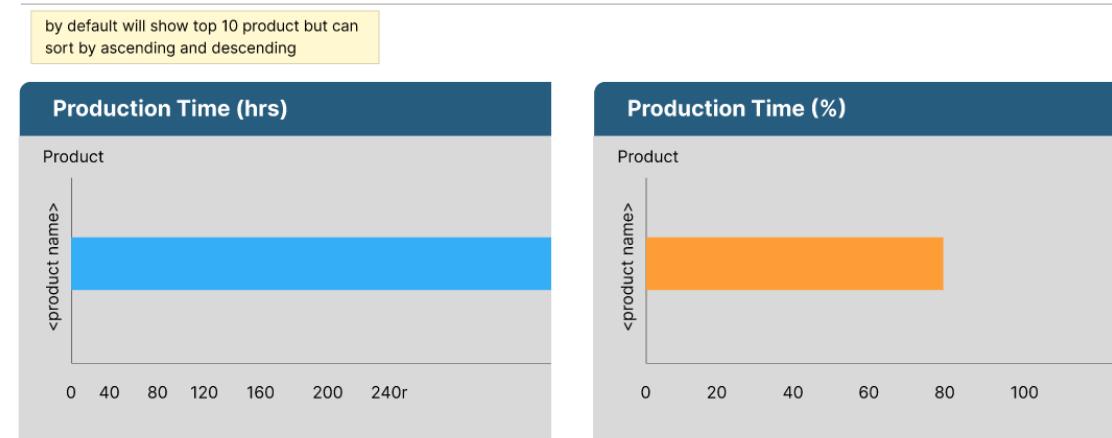


Figure 116: Product Graph sample

#### 3.4.3 Call for Assistance

##### A. List

1. It shows list of records.
2. The record is auto generated in this list when call for assistance physical button.
3. The list will show several columns below:
  - i. Sr#
  - ii. Machine
  - iii. Calling Datetime
  - iv. Attended PIC
  - v. Attended Datetime
  - vi. Submitted By
  - vii. Submitted Datetime
  - viii. Status
  - ix. Action

## Call for Assistance

No.	Machine	Calling Date time	Attended PIC	Attended Date time	Submitted Date time
1	INJ01	1/6/2024 10:55:14 AM	John Doe	John Doe	John Doe
2	ASM01	1/6/2024 10:55:14 AM	Jane Smith	Jane Smith	Jane Smith
3	ASM01	1/6/2024 10:55:14 AM	Alice Johnson	Alice Johnson	Alice Johnson

Showing 1 to 1 of 1 Entries

1 2 ... 9 10 >

Figure 117: List

4. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
5. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
6. User can search based on each column or at main search field at the top.
7. User can sort column in increasing or decreasing order.
8. User can click "Create" button to create new record.
9. The status of the record can be divided into:
  - In progress (Yellow) – after Call for Assistance physical button is switched on
  - Submitted (Blue) - if user click Save button.

## B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights.

### Action: View

1. Display all information in Read-only mode.

### Action: Edit

1. User can only edit Attended PIC, Image and Remarks. The form consists of the following details:
  - **Machine:** auto based on collected data from hardware
  - **Calling Datetime:** auto based on when the Call for Assistance physical button is switched on
  - **Attended PIC:** multi search dropdown based on user database
  - **Attended Date:** auto generated after the Call for Assistance physical button is turned off
  - **Submitted By:** auto generated based on current logged in user
  - **Submitted Date:** auto generated after user click Save
  - **Description:** RTE input

- **Image:** png/jpg format
2. Save button is available in the bottom-right of the page.
  3. Back button is available in the bottom-left of the page.

The form is titled "Call for Assistance". It contains fields for "Call for Assistance Details" such as Machine (Machine A), Calling Date time (1/6/2024 10:55:14 AM), Attended PIC (John Doe), Attended Date time (1/6/2024 11:10:14 AM), Submitted By (<current log in user>), and Submitted Date time (1/6/2024 11:55:14 AM). There is a "Description" section with a rich text editor containing "User Input". Below it is a "Choose File" button with "file.png" selected. A toolbar at the bottom right includes icons for B, I, S, and various alignment and style options.

Figure 118: Call for assistance form.

**Action: Delete**

1. User can delete a record.

## 3.5 OEE

### 3.5.1 OEE Report

1. This page consists of filter and OEE graph as below:

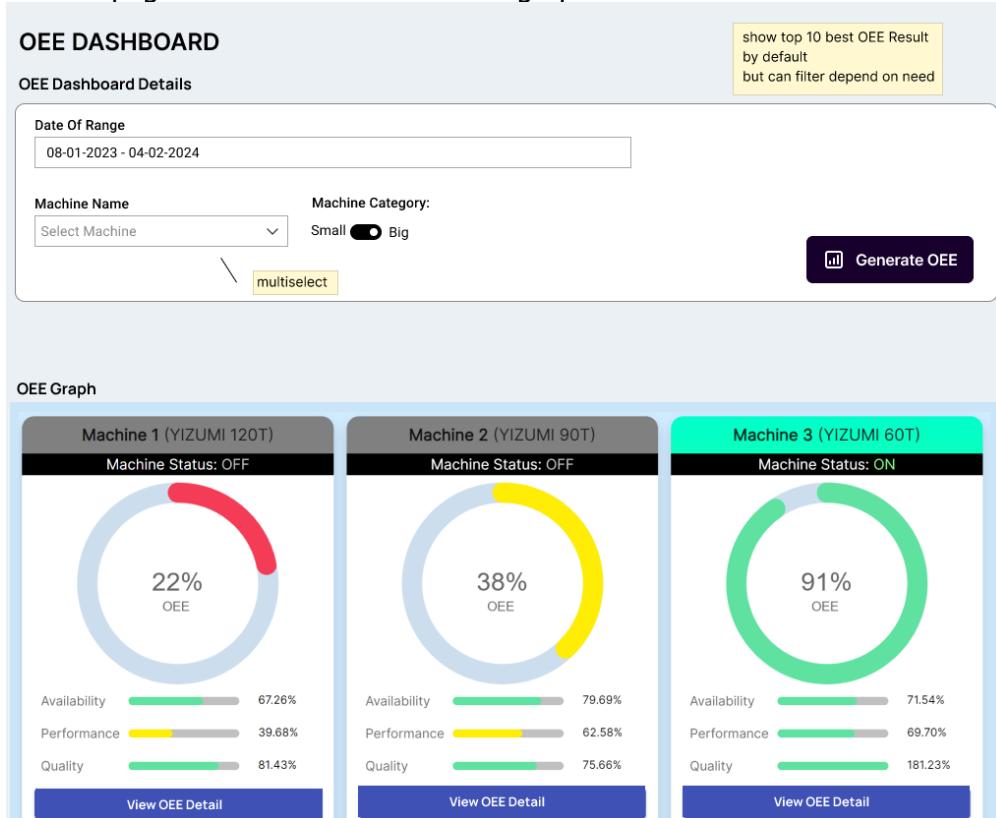


Figure 119: OEE Dashboard

2. At the filter, it consists:

- Date Range: daterangepicker

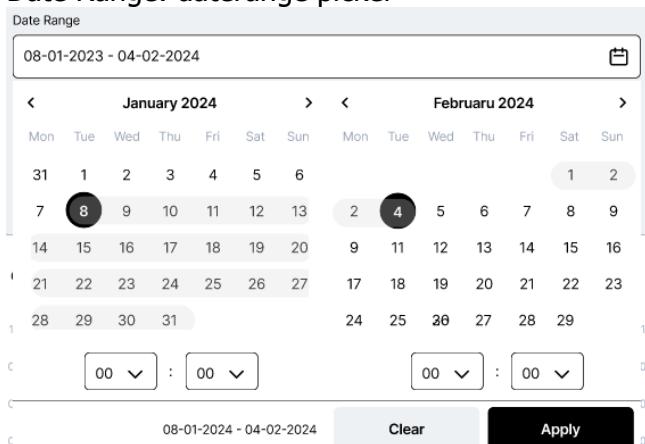


Figure 120: Date range selector

- Machine: multiselect search dropdown

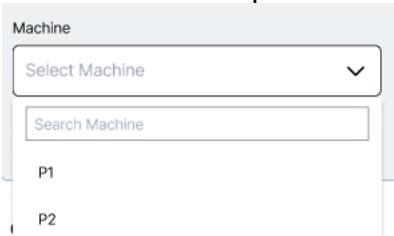


Figure 121: Machine dropdown

- Machine Category: toggle button

**Machine Category:**

Small  Big

Figure 122: Machine category toggle

3. User has to click Generate OEE button to view the OEE graph.

Figure 123: Generate OEE button

4. OEE graph show the factors percentage of machine:

- Availability = (Operating Time/ Planned Production Time) \* 100%
- Performance = (Total Pieces/ Operation Time)/Ideal Run Rate \* 100%
- Quality = (Good Pieces/ Total Pieces) \* 100%
- OEE = A \* P \* Q

5. If user click <View OEE Detail>, a modal will popup which consist of:

OEE Details (Machine Name)									
Show 10 entries									
Machine	Order No.	Part No.	Cycle Time(s)	No. of Cavity	Ideal Run Rate	Total Produced	Rejected Qty	Down Time(h)	Production Time(h)
Showing 1 to 1 of 1 Entries									
<		1		2		...		9	
10		>							

Figure 124: OEE table details

- Entries filter
- Search box
- Machine No.
- Order No.
- Part No.
- Cycle Time (s)
- No. of Cavity
- Ideal Run Rate
- Total Produced
- Rejected Qty
- Setup time (h)
- Downtime (h)
- Production Time (h)
- Availability (%)
- Performance (%)
- Quality (%)
- OEE (%)

6. Export button is for user to download the OEE details in csv format.

## 4 WMS

At the top navigation menu, there are four main menu which are **ERP**, **MES**, **WMS** and **Setting**. Under “**WMS**” module, it consists of several sub-module which are Warehouse, Dashboard and Report.

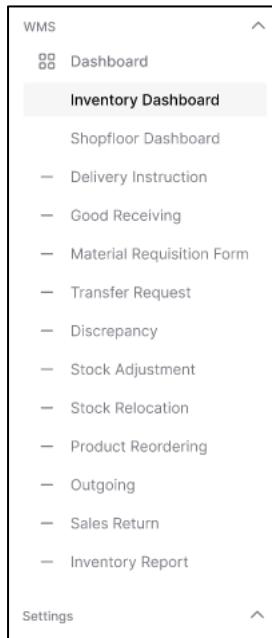


Figure 125: WMS Menu

### 4.1 Dashboard

#### 4.1.1 Inventory Dashboard

1. Display all the current inventory status and quantity.
2. Has to set the min and max quantity at Product Reordering page first.
3. It shows the product table as well as the legend.
4. The legend and indicator consist of:
  - Available Quantity > 3D buffer (Green)
  - 1D Buffer < Available Quantity < 3D Buffer (Orange)
  - Available Quantity < 1D Buffer (Red)
  - Not Set (Grey)
5. The product table consist of:
  - Entries filter
  - Search box
  - Part No.
  - Part Name
  - 1D Buffer
  - 3D Buffer
  - Available Quantity
  - Status

### Inventory Dashboard

The screenshot shows a table of inventory items with columns: Part No., Part Name, 1D Buffer, 3D Buffer, Available Quantity, and Status. A legend on the right defines the status colors: green for Available Quantity > 3D Buffer, orange for 1D Buffer < Available Quantity < 3D Buffer, red for Available Quantity < 1D Buffer, and grey for Not Set. A yellow callout box at the top left states: "if qty < 3D buffer → will trigger system!"

Part No.	Part Name	1D Buffer	3D Buffer	Available Quantity	Status
P1234	Gear Housing	50	150	200	Green
W5678	Bracket Assembly	30	100	50	Orange
M9012	Shaft	40	120	100	Orange
A3456	Valve Assembly			60	Grey
B7890	Bearing	20	60	10	Red

Figure 126: Inventory Dashboard

#### 4.1.2 Inventory Shopfloor

- Display all the inventory quantity based on area and shelf.

### Inventory Shopfloor

The screenshot shows a grid of inventory units. Each unit is represented by a table with three rows: the first row contains the area name ('Area A' or '<Area>'), the second row contains rack details ('Rack 1: 1000', 'Rack 2: 500', 'Total: 1500'), and the third row contains the total quantity ('Total: <auto>'). There are five units in the first row and five in the second row.

<Area>	Area A	<Area>	<Area>	<Area>
Rack:<auto>	Rack 1: 1000 Rack 2: 500	Rack:<auto>	Rack:<auto>	Rack:<auto>
Total: <auto>	Total: 1500	Total: <auto>	Total: <auto>	Total: <auto>
<Area>	<Area>	<Area>	<Area>	<Area>
Rack:<auto>	Rack:<auto>	Rack:<auto>	Rack:<auto>	Rack:<auto>
Total: <auto>	Total: <auto>	Total: <auto>	Total: <auto>	Total: <auto>

Figure 127: Inventory Dashboard

- WMS area dropdown (static) is at the top right to change the inventory shopfloor accordingly:



Figure 128: Static WMS area dropdown

- If user click on the Rack name, it will pop up the detailed of the rack inventory quantity:

- Rack location
- Search box
- Entries filter: 10, 25, 50, 100
- Item details: Levels, Part No., Total, Action

Levels.	Part No.	Total	Action
L1	Part A	20	<button>View Products</button>
L2	Part B	200	<button>View Products</button>

Figure 129: Inventory quantity based on rack

4. If user click on the View Products, it will pop up the detailed of the rack level inventory quantity:
  - Rack location
  - Search box
  - Entries filter: 10, 25, 50, 100
  - Item details: Part No., Part Name. Quantity

Area 1		Area 2	
Shelf -1: 1200		Shelf -1: 1200	
Shelf -2: 200		Shelf -2: 200	
Total: 1400		Total: 1400	
Area A > Shelf -1 > R1			
Show 10 entries		Enter search terms	
Item Code	Description	Quantity	
Item A	Item AAA	20	
Item B	Item BBB	200	

Figure 130: Inventory quantity based on rack levels

## 4.2 Warehouse

### 4.2.1 Delivery Instruction

#### A. List

1. It shows list of records.
2. User can create new DI.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. Order No.
  - iii. Customer Name
  - iv. Order Month
  - v. Created Date
  - vi. Created By
  - vii. Action

### Delivery Instruction

							<a href="#" style="color: blue;">+ Create New</a>
Customer Name							Search <input style="width: 20px; border: 1px solid #ccc; border-radius: 5px; margin-left: 10px;" type="text"/>
No.	Order No.	Customer Name	Order Month	Date	Created By	Action	
1	SO123	Company ABC	Product ABC	Product ABC	usernameABC	Action	

Showing 1 to 1 of 1 Entries

<
1
>
2
...
9
10

Figure 131: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

### Create new

1. User fill in the create form:

**Delivery Instruction**

**Delivery Instruction Details**

Order No.:	<input style="width: 100%; border: 1px solid #ccc; border-radius: 5px; height: 30px; padding: 5px; margin-bottom: 5px;" type="text"/>	<span style="font-size: 20px; color: #0070C0;">eye</span>	Created Date: <input style="width: 100%; border: 1px solid #ccc; border-radius: 5px; height: 30px; padding: 5px; margin-bottom: 5px;" type="text"/>
Customer Name:	<input style="width: 100%; border: 1px solid #ccc; border-radius: 5px; height: 30px; padding: 5px; margin-bottom: 5px;" type="text"/>	<span style="font-size: 20px; color: #0070C0;">eye</span>	Created By: <input style="width: 100%; border: 1px solid #ccc; border-radius: 5px; height: 30px; padding: 5px; margin-bottom: 5px;" type="text"/>
Order Month:	<input style="width: 100%; border: 1px solid #ccc; border-radius: 5px; height: 30px; padding: 5px; margin-bottom: 5px;" type="text"/>		

can view SO registration No.
can view SO registration No.

No.	Part No.	Part Name	Type of Product	Model	Variance	Calendar	Acti
1	<auto>	<auto>	<auto>	<auto>	<auto>	Calendar	
1	<auto>	<auto>	<auto>	<auto>	<auto>	Calendar	

Figure 132: Information key-in

- i. Delivery Instruction Details section consist of:
  - **Order No.:** dropdown based on registered Order No.
  - **Customer Name:** auto display based on selected Order No.
  - **Order Month:** auto display based on selected Order No.
  - **Created Date.:** auto current date but editable
  - **Created By.:** auto current logged in user
- ii. DI table based on selected Order No. consist of:
  - No.
  - Part No.
  - Part Name

- Type of Product
- Model
- Variance
- Calendar: action to add DI quantity

8. If "Calendar" button is clicked, a modal will be popup as shown:

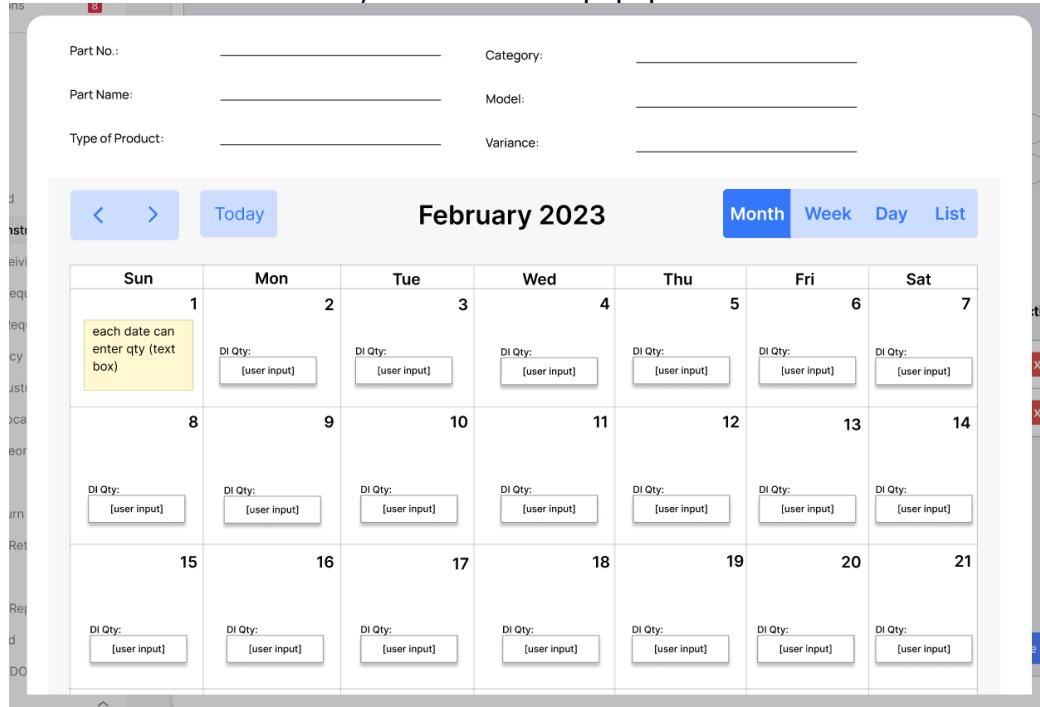


Figure 133: After click Calendar button

- User can assign the DI qty for specific date on the given calendar.
9. At the bottom there are several buttons:
- <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout for sales order form will be differ based on the action and user can click action based on permission right.

### Action: View

- Display all information in Read-only mode.

### Action: Edit

- Display all information from the latest saved state.
- User can edit the details that is not in read-only mode.
- Save and Back button is available in the bottom-right of the page.

### Action: Delete

- User can delete a record.

#### 4.2.2 Good Receiving

##### A. List

1. It shows list of good receiving records.
2. The list will show following columns:
  - i. Sr#
  - ii. PO No.
  - iii. Supplier
  - iv. PO Qty
  - v. Received Qty
  - vi. Received Date
  - vii. Received By
  - viii. Status
  - ix. Action

**Good Receiving**

+ Create New

Show

10

entries

Search

No.	PO No.	Supplier	PO Quantity	Received Qty	Received Date	Received By	Status	Action
1	PO-001	Supplier A Inc.	123	123	15/01/2024	John Doe	<span style="color: yellow;">R</span>	<span style="color: yellow;">R</span>
2	PO-002	Supplier B Inc.	456	456	16/01/2024	John Doe	<span style="color: orange;">C</span>	<span style="color: orange;">C</span>
3	PO-003	Supplier C Inc.	789	789	17/01/2024	John Doe	<span style="color: green;">A</span>	<span style="color: green;">A</span>

Showing 1 to 1 of 1 Entries

<
1
2
...
9
10
>

Figure 134: List

3. In Action column, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. QC
  - iv. Allocation
  - v. Delete
4. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.
5. User can search based on each column or at main search field at the top.
6. User can sort column in increasing or decreasing order.
7. User can click "Create" button to create new record.

Create new

- User fill in the create form:

**Good Receiving**

**Good Receiving Details**

Purchase Return

PO No.: <dropdown>

Supplier: <dropdown>

DO No.: [user input]

Received Date: auto today date but editable

Received By: <display login username>

Attachment: View File File\_Upload.pdf

If user tick the Purchase Return, the PO No. is replaced with GRD No. then supplier is auto fetched (grey)  
User can either select PO No./Supplier (Without PO)

user can select PO No. first then supplier dropdowns will be listed based on PO No. and vice versa

Require Purchase Return checkbox above PO No. to display GRD No. dropdown instead of PO No. Supplier field will be auto display (readonly) if GRD No is selected

If x PO qty, all empty (Previous Qty, Balance Qty, Received Qty, Remaining Qty)

Add Product (PO) Add Product

**Product/Material Details**

No.	Part No.	Part Name	Unit	PO Qty	Previous Qty	Balance Qty	Received Qty	Rem
1	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>	<auto>

Received Qty enable/allow to key in when check the just received checkbox or during receive action

Figure 135: Information key-in

- Good Receiving Details section consist of:
  - Purchase Return:** checkbox (if ticked, the PO No. will be replaced with GRD No. dropdown)
  - PO No.:** dropdown based on approved Purchase Order
  - Supplier:** dropdown based on supplier database (can be selected without PO). If Purchase Return, auto fetched supplier (read – only)
  - DO No.:** text input (from supplier)
  - Received Date.:** auto current date but editable
  - Received By.:** auto current logged in user
  - Attachment:** upload or download (image or file) with view action
- Product table consist of:
  - Add Product (PO): button to add product based on PO No.
  - Add Product: button to add product
  - No.
  - Required Date: auto from selected PO (will be empty if not based on PO No.)
  - Part No.: auto from added product
  - Part Name: auto from added product
  - Unit: auto from added product
  - PO Qty: auto from added product
  - Previous Qty: if any (will be empty if not based on PO No.)
  - Balance Qty: PO Qty – Previous Qty (will be empty if not based on PO No.)
  - Received Qty: integer input
  - Remaining Qty: Balance – Received (will be empty if not based on PO No.)
  - Remarks: add button (Green – have remarks, Red – no remarks)
  - Action: Remove button

- If user click “Add Product” button, a Product List will pop up in a modal as following for user to select:

Product List							
Show	10	entries	Enter search terms		<input type="button" value=""/>		
	Part No.	Part Name	Unit	Model	Variant	Type of Product	Category (OEM/REM)
<input checked="" type="checkbox"/>	CP001	Braker Pad Set	pcs	Proton	Standard	Finish Good	OEM
<input checked="" type="checkbox"/>	CP002	Spark Plug	pcs	Honda	High Flow	Components	REM

Showing 1 to 2 of 101 entries

1  2  ...  9  10

Figure 136: Search Product to Add

- i. The modal consists of:
  - Entries filter
  - Search box
  - Search based on column
  - Checkbox for each product
  - Part No.: auto display from Product database
  - Part Name: auto display from Product database
  - Unit: auto display from Product database
  - Model: auto display from Product database
  - Variance: auto display from Product database
  - Type of Product: auto display from Product database
  - Category: auto display from Product database
  - Pagination
  - Add: button
- ii. Once the product is searched and selected, user has to click <Add> button to add it to the main table as shown below:

Product/Material Details								Add Product
No.	Part No.	Part Name	Type of Product	Category	Model	Variant	Inventory Quant	
1	P1234	Gear Housing	Level 3 - Finish Good	Shaft	Model Z	Variant C	80	

Figure 491: New product is added into the table

2. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.
3. The status can be divided into:
  - Received (Blue) – after created
  - Checked (Yellow) – after submit QC
  - Completed (Green) – after user do allocation action

## B. Form

The screen layout will be differ based on the action and user can click action based on permission rights.

### Action: View

1. Same as 4.2.1.B view action

### Action: Edit

1. Same as 4.2.1.B edit action

### Action: QC

1. Display all extracted information from last saved state as Read-only mode.

The screenshot shows a web-based application for managing good receiving. At the top, there's a header for 'Good Receiving' and a sub-section for 'Good Receiving Details'. This section contains fields for PO No., Received Date, Supplier, Received By, DO No., and an attachment labeled 'File\_Upload.pdf'. Below this is a 'Product/Material Details' section with a table. The table has columns for No., Part No., Part Name, Unit, Received Quantity, Rejected Qty, and Rejected Reason. A note above the table says 'not accept - accept qty not appear'. Another note to the right says 'Received Qty enable/allow to key in when check the just received checkbox or during receive action'. At the bottom of the form are buttons for 'Back To List' and 'Save'.

Figure 137: Receive form

2. Authorized user can edit the details that is not in read-only mode.
3. Save and Back button is available in the bottom-right of the page.
4. The product table have additional column which are:
  - i. **Rejected Qty:** auto based on the total rejected quantity keyed in at the Rejection Reason
  - ii. **Rejection Reason:** "+" button to on hold or add rejected type, quantity and comment.
  - iii. **Status:** On - Hold or Accept
  - iv. **Accepted Qty:** auto calculate (Received Qty – Rejected Qty)

5. If user click on the "+" button, it will pop up a modal following:

The screenshot shows a modal window titled "Rejection". At the top right is a yellow callout box containing the text "Accept and on hold button under the table". Below the title, there are fields for "Part No: DXXX-XXX" and "Part Name: Part DXXX-XXX". To the right, it says "Total Rejected Qty: xxxxx". There is a search bar with a magnifying glass icon. Below the search bar is a table header with columns: "Rejected Qty", "Rejection Type", "Comments", and "Action". The "Action" column has a "+" button. A yellow callout box points to this button with the text "On Hold action". The list under "On Hold action" includes: "item cannot allocate store/inventory", "yg lain boleh masuk", and "rejection reason - accept/onhold". At the bottom of the modal, there are buttons for "On Hold", "Accept", and "Close".

Figure 138: After user click + button at Rejection Reason

- i. **Rejected Qty:** auto based on the total rejected quantity keyed in at the Rejection Reason
- ii. **Rejection Type:** dropdown based on Type of Rejection database
- iii. **Comments**
- iv. **Action:** add or remove row
- v. **On Hold:** button to hold the whole received quantity (cannot proceed for allocation). The table and Accept button will be disabled until release from On Hold status.
- vi. **Accept:** button to accept the rejected qty and auto calculate the accepted qty

#### Action: Allocation

1. Display all extracted information from last saved state as Read-only mode.

The screenshot shows a "Good Receiving" form. At the top, there is a "Good Receiving Details" section with fields for PO No., Supplier, DO No., Created Date, and Created By. A yellow callout box points to the "Last QC done will be on top" field. Below this is a "Product/Material Details" section with a "Add Product" button. A table follows, with columns: No., Received Date, Part No., Part Name, Unit, Accepted Qty, Remarks, and Action. The "Action" column contains a "+" button. A yellow callout box points to this button with the text "After accepted qty, add Total Allocated Qty (based on the + button/modal)". Another yellow callout box points to the "Accepted Qty" field with the text "Received Qty enable/allow to key in when check the just received checkbox or during receive action".

Figure 139: Receive form

2. Authorized user can edit the details that is not in read-only mode.
3. Save and Back button is available in the bottom-right of the page.
4. The product table have additional column which are:
  - i. **Action:** "+" button to assign location

5. If user click “+” button, a modal will pop up as following for user to key in:

Lot No.	Location	Unit	Quantity	Action
[user input]	<dropdown>	DXXX	user input	X

Showing 1 to 1 of 1 Entries

Done Close

Figure 140: Assign location for the received quantity

- i. The modal consists of:
  - Title
  - Part No.: auto based on selected product
  - Part Name: auto based on selected product
  - Accepted Qty: auto based on the main table
  - Total Allocated Qty: auto sum based on keyed in Quantity
  - Entries filter
  - Search box
  - Lot No.: text input
  - Location: dropdown based on area database
  - Unit: auto based on selected product
  - Allocated Qty: integer input
  - Action: Add and remove row
  - Pagination
  - Done button
  - Close button
- ii. Once the product is searched and selected, user has to click <Done> button to add it to the main table as shown below:

Received Quantity	Rejected Qty	Rejected Reason	Accepted Qty	Remarks	Action
100	10	Dented	90	urgent	+

Figure 141: New product is added into the table

#### Action: Delete

1. Same as 4.2.1.B delete action.

#### 4.2.3 Material Requisition

##### A. List

1. It shows list of material request records.
2. Any material planning done will be auto created to this page.
3. User can also create new request with or without material planning.
4. Create button is available above the main search box.
5. Saved form will be listed in this list screen.
6. The list will show several columns below:
  - i. Sr#
  - ii. MRF No.
  - iii. Planning Ref No.
  - iv. Request From (Dept)
  - v. Request To (Dept)
  - vi. Requested Date
  - vii. Planned Date
  - viii. Machine
  - ix. Shift
  - x. Status
  - xi. Action

#### Material Requisition

The screenshot shows a table titled "Material Requisition" with the following data:

No.	MRF No.	Production Planning Ref No.	Request From	Requested Date	Plan Date	Machine	Shift	Status
1	MRF123	PP123	John Smith	01/01/2024	01/01/2024	M1	AM	Request
1	MRF123	PP123	John Smith	01/01/2024	01/01/2024	M1	PM	Issued
1	MRF123	PP123	John Smith	01/01/2024	01/01/2024	M2	AM	Received

Showing 1 to 1 of 1 Entries

Figure 142: List

7. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Issue
  - iv. Receive
  - v. Delete
8. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
9. User can search based on each column or at main search field at the top.
10. User can sort column in increasing or decreasing order.
11. User can click "Create" button to create new record.

Create new

## 1. User fill in the create form:

The screenshot shows a 'Material Requisition' form. At the top, there is a note: 'if from material planning should be read only and auto select'. The form contains several input fields: 'Production Order No.' (dropdown), 'Request Date' (date picker), 'Request From (Dept)' (dropdown), 'Description' (text area), 'MRF No.' (auto-filled), 'Plan Date' (date picker), 'Shift' (dropdown), 'Machine' (text area), and 'Request To' (dropdown). Below the form is a table titled 'Product table' with columns: Part No., Part Name, Type, Model, Variance, Unit, Request Qty, and Remarks. The table shows 1 entry with part number 10 and part name 'No.'. There is a 'Search' bar and a pagination area showing page 1 of 10.

Figure 143: Information key-in

- i. Production Order No.: dropdown based on created Production Order No.
- ii. Requested Date: auto current date but editable
- iii. Request From (Dept): dropdown based on department database
- iv. Request To (Dept): dropdown based on department database
- v. Description: textarea
- vi. MRF No.: auto running no. [Format: MRF/running no./yyyy]
- vii. Planned Date: datepicker
- viii. Shift: static dropdown (Day/Night)
- ix. Product table
  
2. Product table consist of:
  - i. Add Product button
  - ii. No.
  - iii. Part No: auto based on added product
  - iv. Part Name: auto based on added product
  - v. Type of Product: auto based on added product
  - vi. Model: auto based on added product
  - vii. Variance: auto based on added product
  - viii. Category: auto based on added product
  - ix. Unit: auto based on added product
  - x. Request Qty: integer input
  - xi. Remarks: add button (Green – have remarks, Red – no remarks)
  - xii. Action: remove button
  
3. If user click "Add Product" button, a Product List will pop up in a modal as following for user to select:

Product List							
Show 10 entries		Enter search terms <input type="text"/> <input type="button" value="Search"/>					
	Part No.	Part Name	Unit	Model	Variant	Type of Product	Category (OEM/REM)
<input checked="" type="checkbox"/>	CP001	Braker Pad Set	pcs	Proton	Standard	Finish Good	OEM
<input checked="" type="checkbox"/>	CP002	Spark Plug	pcs	Honda	High Flow	Components	REM

Showing 1 to 2 of 101 entries 1 2 ... 9 10 >

[+ Add](#)

Figure 144: Search Product to Add

- i. The modal consists of:
  - Title
  - Entries filter
  - Search box
  - Search based on column
  - Checkbox for each product
  - Part No.: auto display from Product database
  - Part Name: auto display from Product database
  - Unit: auto display from Product database
  - Model: auto display from Product database
  - Variance: auto display from Product database
  - Type of Product: auto display from Product database
  - Category: auto display from Product database
  - Pagination
  - Add button
- ii. Once the product is searched and selected, user has to click <Add> button to add it to the main table to key in the Quantity value as shown below:

New Product Addition							
Show 10 entries		Search <input type="text"/> <input type="button" value="Search"/>					
Part No.	Part Name	Type	Model	Unit	Request Qty	Remarks	Action
DXXX-XX	PART DXXX-XX	Child Part	DXXX	PCS	200	X	

Showing 1 to 1 of 1 Entries 1 2 ... 9 10 >

Figure 145: New product is added into the table

4. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the table if user want to cancel.
2. The status can be divided into:
  - Requested (Grey) – after created
  - Issued (Orange) – after issued form is submitted
  - Received (Blue) – after received form is submitted

## B. Form

The screen layout will be differ based on the action and user can click action based on permission rights.

### Action: View

1. Same as 4.2.1.B view action

### Action: Edit

1. Same as 4.2.1.B edit action

### Action: Issue

1. Display all extracted information from last saved state as Read-only mode.

The screenshot shows a 'Material Requisition' form with the following sections:

- Header:** Production Order No. (PPC/24/1), MRF No. (MRF/24/1), Request Date (12/1/2024), Plan Date (11/1/2024), Request From (Dept) (PPC), Shift (AM), Description (<User input>), Machine (M1), Request To (Store).
- Issuer:** Issue By (<auto>), Issue Date (<select Date>), Remarks (user input), Time (<auto but editable>).
- Table:** A table showing product details with columns: Part No., Part Name, Type, Model, Variance, Unit, Request Qty, Remark Request. One row is shown: DXXX-XX, PART DXXX-XX, Child Part, DXXX, DXXX, PCS, 200, X.
- Pagination:** Showing 1 to 1 of 1 Entries, with page numbers 1, 2, ..., 9, 10.

Figure 146: Receive form

2. Authorized user can edit the details that is not in read-only mode.
3. Save and Back button is available in the bottom-right of the page.
4. Issue section as following:
  - **Issue By:** auto based on current user
  - **Issue Date:** datepicker
  - **Issue Time:** timepicker
  - **Remarks:** textarea
5. The product table have additional column which are:
  - i. **Issue Qty:** auto based on the picking location quantity
  - ii. **Remarks:** add button (Green – have remarks, Red – no remarks)
  - iii. **Action:** “+” button to assign picking location
  - iv. **Label:** print MRF label

<b>ZENIG</b> ZENIG AUTO SDN. BHD. (1015897-M)			
<b>MRF ISSUED FORM</b>			
MRF NO:	<MRF NO.>	Date Plan:	<Date plan>
SHIFT:	<shift>		
MACHINE / LINE NO.	<machine>		
QUANTITY/ PIECES/ BAG	<quantity>		
MATERIAL/ C.PART NAME	<Part No.> <Part Name.>		
LOT NO.	<Lot No>		
<b>STORE ISSUE</b>			
DATE:	<Issue Date>	Time	<Issue Time>
ISSUE BY:	<Issue by>		
ISSUE DAY:	<Issue by>		

Figure 147: Label

6. If user click the "+" button at Action column, it will pop up the following modal:

Allocation

Part No: DXXX-XXX Request Qty: xxxxxx  
Part Name: Part DXXX-XXX Issue Qty: xxxxx

Show 10 entries

Lot No.	Location	Unit	Available Qty	Issue Qty	Action
<dropdown>	<dropdown>	DXXX	100	<input type="text"/>	

Showing 1 to 1 of 1 Entries ...

Figure 148: Receive Quantity modal

- i. Part No.: auto display based on selected Part No.
- ii. Part Name: auto display based on selected Part No.
- iii. Request Quantity: auto display based on selected Part No.
- iv. Issue Quantity: auto based on keyed in integer input
- v. Entries filter, Search box and Pagination
- vi. Table of:
  - Lot No.: dropdown based on registered Lot No. during incoming
  - Location: dropdown based on area database
  - Unit: auto display based on selected Part No.
  - Issue Quantity: Input integer

- Available Quantity: auto based on selected Lot No. and Location
  - Action: Add or Remove row
- vii. Close button
- viii. Done button (Click this button to assign the Issue Quantity at the assigned location)
7. Back button is available in the bottom-left of the page.

#### Action: Receive

1. Once issued, receiver has to receive within 1 hour.
2. Display all extracted information from last saved state as Read-only mode.

Model	Unit	Request Qty	Remark Request	Issue Qty	Remark Issue	Receive Qty	Remarks	Action
XXX	PCS	200	X	200	XX			+ Accept

Figure 149: Receive form

3. Authorized user can edit the details that is not in read-only mode.
4. Save and Back button is available in the bottom-right of the page.
5. Receiver section as following:
  - **Receive By:** auto based on current user
  - **Receive Date:** datepicker
  - **Receive Time:** timepicker
  - **Remarks:** textarea
6. The product table have additional column which are:
  - i. **Receive Qty:** integer input
  - ii. **Remarks:** add button (Green – have remarks, Red – no remarks)
  - iii. **Action:** Accept button and Return button

#### Action: Delete

1. Same as 4.2.1.B delete action.

#### 4.2.4 Transfer Request

##### A. List

1. It shows list of transfer request records.
2. User can create new request.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. Ref No.
  - iii. MRF No.
  - iv. Machine
  - v. Shift
  - vi. Request Date
  - vii. Request From
  - viii. Request To
  - ix. Receive By
  - x. Receive Date
  - xi. Receive Date
  - xii. Time
  - xiii. Status
  - xiv. Action

**Transfer Request**

+ Create New

Show 10 entries

Search

No.	Ref No.	MRF No.	Request Date	Shift	Request From	Machine	Request To	Rec
1	TR24/1	CategoryABC	12/2/2024	AM	Production	M1	Store	
2	TR/24/2	CategoryABC	12/2/2024	PM	Production	M1	Store	

Showing 1 to 1 of 1 Entries

1 2 ... 9 10 >

Figure 150: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Receive
  - iv. Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

Create new

- User fill in the create form:

**Transfer Request**

TR. No.	<auto display>	MRF No.	<dropdown>										
Request Date	<select Date>	Shift	<auto based MRF selection>										
Request From (Dept)	<Dropdown>	Machine:	<auto based MRF selection>										
Description:	user input	Request To:	<dropdown>										
<b>Receiver</b>													
Receive By:	<auto>	Receive Date:	<select Date>										
Remarks:	user input	Time:	<auto>										
<a href="#">+ Add Product</a> <input style="float: right;" type="button" value="Search"/>													
Show <input type="button" value="10"/> entries <input style="width: 100px; margin-left: 10px;" type="text"/> <input style="margin-left: 10px;" type="button" value="Search"/>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Variance</th> <th>Unit</th> <th>Transfer Qty</th> <th>Remarks</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td colspan="5" style="text-align: center;">No data available</td> </tr> </tbody> </table>				Variance	Unit	Transfer Qty	Remarks	Action	No data available				
Variance	Unit	Transfer Qty	Remarks	Action									
No data available													
Showing 1 to 1 of 1 Entries <span style="float: right;">&lt; 1 &gt; ... 9 10</span>													

Figure 151: Information key-in

- TR No.: auto running No. [Format: TR/running no./yyyy]
  - Request Date: auto current date but editable
  - Request From (Dept): dropdown based on department database
  - Request To (Dept): dropdown based on department database
  - MRF No. (optional): dropdown based on created MRF No.
  - Shift: auto based on selected MRF No.
  - Machine: auto based on selected MRF No.
  - Description: textarea
  - Product table
- Receiver section is disabled (will only be enabled during Receive action).
  - Product table consist of:
    - Add Product: button to add product
    - Part No: auto based on added product
    - Part Name: auto based on added product
    - Type: auto based on added product
    - Model: auto based on added product
    - Variance: auto based on added product
    - Unit: auto based on added product
    - Transfer Qty: integer input
    - Remarks: add button (Green – have remarks, Red – no remarks)
    - Action: remove button
  - If user click “Add Product” button, a Product List will pop up in a modal as following for user to select:

Product List							
Show <select>10</select> entries <input type="text" value="Enter search terms"/> <input type="button" value="Search"/>							
	Part No.	Part Name	Unit	Model	Variant	Type of Product	Category (OEM/REM)
<input checked="" type="checkbox"/>	CP001	Braker Pad Set	pcs	Proton	Standard	Finish Good	OEM
<input checked="" type="checkbox"/>	CP002	Spark Plug	pcs	Honda	High Flow	Components	REM

Showing 1 to 2 of 101 entries 1 2 ... 9 10 >

Figure 152: Search Product to Add

- i. The modal consists of:
  - Title
  - Entries filter
  - Search box
  - Search based on column
  - Checkbox for each product
  - Part No.: auto display from Product database
  - Part Name: auto display from Product database
  - Unit: auto display from Product database
  - Model: auto display from Product database
  - Variance: auto display from Product database
  - Type of Product: auto display from Product database
  - Pagination
  - Add button
- ii. Once the product is searched and selected, user has to click <Add> button to add it to the main table to key in the Quantity value as shown below:

Show <select>10</select> entries <input type="text" value="Search"/> <input type="button" value="Search"/>							
Part No.	Part Name	Type	Model	Variance	Unit	Transfer Qty	Remarks
P-001	Bolt	Fasteners	Model A	Variance A	pcs	100	Urgent

Showing 1 to 1 of 1 Entries 1 2 ... 9 10 >

Figure 153: New product is added into the table

- 5. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.
- 3. The status can be divided into:
  - Requested (Grey) – after created
  - Received (Blue) – after received form is submitted

## B. Form

The screen layout will be differ based on the action and user can click action based on permission rights.

### Action: View

1. Same as 4.2.1.B view action

### Action: Edit

1. Same as 4.2.1.B edit action

### Action: Receive

1. Display all extracted information from last saved state as Read-only mode.

#### Transfer Request

Production Order No.	TR-001	MRF No.	MRF-001																
Request Date	10/02/2024	Shift	AM																
Department :	Production	Machine:	Machine A																
Description:	Raw material transfer to Warehouse																		
<b>Receiver</b>																			
Receive By:	Warehouse	Receive Date:	10/02/2024																
Remarks:	Received as per schedule																		
<a href="#" style="color: blue;">+ Add Product</a>																			
Show <input type="button" value="10"/> entries		<input style="width: 100px; height: 20px; border-radius: 10px; border: none; padding: 5px; margin-right: 10px;" type="text"/> <span style="font-size: 1.5em;">Search</span>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Part No.</th> <th style="text-align: left; padding: 5px;">Part Name</th> <th style="text-align: left; padding: 5px;">Type</th> <th style="text-align: left; padding: 5px;">Model</th> <th style="text-align: left; padding: 5px;">Variance</th> <th style="text-align: left; padding: 5px;">Unit</th> <th style="text-align: left; padding: 5px;">Transfer Qty</th> <th style="text-align: left; padding: 5px;">Remarks</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">P-001</td> <td style="padding: 5px;">Bolt</td> <td style="padding: 5px;">Fasteners</td> <td style="padding: 5px;">Model A</td> <td style="padding: 5px;">Model A</td> <td style="padding: 5px;">pcs</td> <td style="padding: 5px;">100</td> <td style="padding: 5px;">Urgent</td> </tr> </tbody> </table>				Part No.	Part Name	Type	Model	Variance	Unit	Transfer Qty	Remarks	P-001	Bolt	Fasteners	Model A	Model A	pcs	100	Urgent
Part No.	Part Name	Type	Model	Variance	Unit	Transfer Qty	Remarks												
P-001	Bolt	Fasteners	Model A	Model A	pcs	100	Urgent												

Figure 154: Receive form

2. Authorized user can edit the details that is not in read-only mode.
3. Save and Back button is available in the bottom-right of the page.
4. Receiver section as following:
  - **Receive By:** auto current user
  - **Receive Date:** datepicker
  - **Receive Time:** timepicker
  - **Remarks:** textarea
5. The product table have additional column which are:
  - i. **Total Received Qty:** auto based on keyed in Received Qty at the "+" action
  - ii. **Remarks:** add button (Green – have remarks, Red – no remarks)
  - iii. **Action:** "+" button to assign location

6. If user click “+” button, a modal will pop up as following for user to key in:

The screenshot shows a modal window titled "Allocation". At the top, it displays "Part No: DXXX-XXX", "Request Qty: xxxxx", "Part Name: Part DXXX-XXX", and "Total Received Qty: xxxx". Below this, there is a search bar with "Show 10 entries" and a "Search" button. The main area contains a table with columns: Lot No., Location, Unit, Available Qty, Received Qty, and Action. A single row is shown with "Lot No." dropdown, "Location" dropdown, "Unit" dropdown, "Available Qty" (100), "Received Qty" (empty), and "Action" (red X). At the bottom, it says "Showing 1 to 1 of 1 Entries" with a pagination bar showing page 1 of 10. There are "Done" and "Close" buttons at the bottom right.

Figure 155: Assign location for the received quantity

- i. The modal consists of:
  - Title
  - Part No.: auto based on selected product
  - Part Name: auto based on selected product
  - Request Qty: auto based on selected product
  - Total Received Qty: auto sum based on Received Qty
  - Entries filter
  - Search box
  - Lot No.: dropdown based on registered Lot No. during incoming. Not applicable to FG and material from production (crushing)
  - Location: dropdown based on area database
  - Unit: auto based on selected product
  - Available Qty: auto based on current inventory at the selected location
  - Received Qty: integer input
  - Action: Add and remove row
  - Pagination
  - Done button
  - Close button
- ii. Once the product is searched and selected, user has to click <Done> button to add it to the main table to key in the Quantity value as shown below:

The screenshot shows a table with columns: Part No., Part Name, Type, Model, Unit, Transfer Qty, and Remarks. A single row is displayed with values: P-001, Bolt, Fasteners, Model A, pcs, 100, and Urgent. At the bottom, it says "Showing 1 to 1 of 1 Entries" with a pagination bar showing page 1 of 10.

Figure 156: New product is added into the table

#### Action: Delete

1. Same as 4.2.1.B delete action.

#### 4.2.5 Discrepancy

##### A. List

1. It shows a list of discrepancy records.
2. Auto created when there is a discrepancy at MRF issue and receive quantity.
3. Export button is available at the top right of the list.
4. The list will show following columns:
  - i. Sr#
  - ii. Created Date
  - iii. Discrepancy Ref No.
  - iv. MRF No.
  - v. Order No.
  - vi. Part No.
  - vii. Part Name
  - viii. Issued
  - ix. Received Quantity
  - x. Status
  - xi. Action



The screenshot shows a table with the following data:

Date	Ref No.	MRF No./TR No.	Order No.	Part No.	Part Name	Issued/ Transferred Quantity	Received Quantity
12/12/2023	XXXX-XXX	XXXX-XXX	XXXX-XXX	XXXX-XXX	Part XXXX-XXX	Dxxx	

Below the table, it says "Showing 1 to 1 of 1 Entries". At the bottom right, there is a pagination control with buttons for 1, 2, ..., 9, 10.

Figure 157: List

5. In Action column, user will have option dropdown to:
  - i. View
  - ii. Edit
6. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
7. User can search based on each column or at main search field at the top.
8. User can sort column in increasing or decreasing order.
9. User can click "Create" button to create new record.

Create new

- User fill-in details in form.

The screenshot shows a form titled "Discrepancy". At the top, there are four input fields: Ref No.: REF001, Date: 12/1/2024, MRF No./TR No.: MRF/24/01, Requester: Planner, Order No.: Production, Issuer: Stire, and Shift: Day. Below these are buttons for "Show 10 entries" and a search bar. A table follows, with columns: No., Part No., Part Name, Model, Variance, Type of product, Unit, and Discrepancy Quantity. One row is shown: No. 1, Part No. DXXX-XX, Part Name PART DXXX-XX, Model PART DXXX-XX, Variance PART DXXX-XX, Type of product PART DXXX-XX, Unit PCS, and Discrepancy Quantity 2. At the bottom, it says "Showing 1 to 1 of 1 Entries" and has a page navigation bar with buttons 1, 2, ..., 9, 10. There are "Back To List" and "Save" buttons at the bottom right.

Figure 158: Information key-in create form

- Discrepancy Ref No.:** auto running number [Format: DCR/running no./yyyy]
- Date:** auto display based on today date
- MRF No.:** auto and have eye icon to view the form
- Department:** auto
- Shift:** auto
- Requester:** auto
- Issuer:** auto
- Product table**

- The product table consists of:

- No.**
- Part No.**
- Part Name**
- Model**
- Variance**
- Type of Product**
- Unit**
- Discrepancy Quantity**
- Quantity**
- Action:** static dropdown
  - Add to issuer
  - Add to receiver

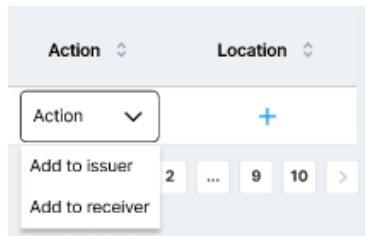


Figure 159: Search Product to Add

xi. **Location:** “+” button to assign location (only for Add to Issuer)

3. If user click “+” button, a modal will pop up as following for user to key in:

Lot No.	Location	Unit	Available Qty	Received Qty	Action
<dropdown>	<dropdown>	DXXX	100		

Showing 1 to 1 of 1 Entries

[Done](#) [Close](#)

Figure 160: Assign location for add to issuer

i. The modal consists of:

- Title
- Part No.: auto based on selected product
- Part Name: auto based on selected product
- Discrepancy Qty: auto based on discrepancy qty
- Total Qty: auto sum based on keyed in Quantity
- Entries filter
- Search box
- Location: dropdown based on area database
- Unit: auto based on selected product
- Quantity: integer input
- Action: Add and remove
- Pagination
- Done button
- Close button

4. At the bottom there are several buttons:

- <Save> button to save and the record will be listed in the main list.
- <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout will be differ based on the action and user can click action based on permission rights. Same as 4.2.1.B action.

### 4.2.6 Stock Adjustment

#### A. List

1. It shows a list of Stock Adjustment records based on current inventory.
2. The list will show following columns:
  - i. Sr#
  - ii. Part No.
  - iii. Part Name
  - iv. Available Qty

- v. Status  
vi. Action

### Stock Adjustment

Show 10 entries Search

No.	Part No.	Part Name	Available Qty	Status	Action
1	DXXX-XXX	Part DXXX-XXX	100	In Stock	<button>Adjust Quantity</button>

Showing 1 to 1 of 1 Entries

Stock Adjustment refers to the process of modifying the quantity or condition of items in the inventory or warehouse. This adjustment can be due to various reasons such as discrepancies in stock levels, damaged goods, expiration of products, or changes in inventory valuation methods. The Store Department typically manages stock adjustments to ensure accurate and up-to-date inventory records.

Figure 161: List

3. In Action column, a button is provided:
  - i. Adjust Quantity
4. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
5. User can search based on each column or at main search field at the top.
6. User can sort column in increasing or decreasing order.

### B. Form

The screen layout will be differ based on the action and user can click action based on permission rights.

#### Action: Adjust Quantity

1. Authorized user can edit the details that is not in read-only mode.
2. If user click "Adjust Quantity" button, a modal will pop up as following for user to key in the quantity:

Show 10 entries Search

No.	Adjust Quantity							
1	DXXX-XXX	DXXX-XXX	Production	Area A	S1	L1	100	<input type="text"/>

Showing 1 to 1 of 1 Entries

Total Quantity: <available qty>

Add Close

Figure 162: Search Product to Add

i. The modal consists of:

- Title
- Entries filter
- Search box
- Part No.
- Part Name
- Department (Production/ Store/ Logistic)
- Area
- Rack
- Level
- System Quantity: auto based on current available quantity
- Available Quantity: integer input
- Pagination
- Total Quantity: auto sum Available Quantity
- Add button
- Close button

ii. Once user click <Add> button, it will update the available quantity at the main table as shown below:

No.	Part No.	Part Name	Available Qty	Status	Action
1	DXXX-XXX	Part DXXX-XXX	100	In Stock	<button>Adjust Quantity</button>

Figure 163: Available Quantity is adjusted

3. The status consists of:

- In Stock (Green)
- Out of Stock (Red)

#### 4.2.7 Stock Relocation

##### A. List

1. It shows a list of Stock Relocation records.
2. Export and Create button is available above the main search box.
3. Saved form will be listed in this list screen.
4. The list will show following columns:
  - i. Sr#
  - ii. Created Date
  - iii. Stock Relocation Ref No.
  - iv. Description
  - v. Transfer By
  - vi. Action

##### Stock Relocation

Stock Relocation					<button>Export</button>	<button>+ Create New</button>
Show <select>10</select> entries <input placeholder="Search" type="text"/>					Action	
Date	Stock Relocation Ref No.	Description	Transfer By	Action		
12/12/2023	ADJ/24/01	Stock moving	Part DXXX-XXX	<button>Action</button>		
Showing 1 to 1 of 1 Entries						

Figure 164: List

5. In Action column, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
6. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.
7. User can search based on each column or at main search field at the top.
8. User can sort column in increasing or decreasing order.
9. User can click "Create" button to create new record.

**Create new**

1. User fill-in details in form.

**Stock Relocation**

Stock Relocation Ref No.: <auto display>

Created Date: <auto>

Description: <auto>

Transfer By: <auto>

**Location Transfer**

Previous Location: Dropdown

New Location: <auto>

**+ Add Product**

Show 10 entries

Search

Part No.	Part Name	Unit	Quantity	Action
No data available				

Showing 1 to 1 of 1 Entries

Figure 165: Information key-in create form

- i. **Stock Relocation Ref No.:** auto running number [Format: STR/running no./yyyy]
  - ii. **Created Date:** auto display based on today date
  - iii. **Description:** text input
  - iv. **Transferred By:** auto display current logged in user
  - v. **Previous Location:** dropdown, auto display based on current location of added Part No.
  - vi. **New Location:** dropdown based on existing location
  - vii. **Add Product:** button to add product
  - viii. **Product table**
2. The product table consists of:
    - i. **Part No.**
    - ii. **Part Name**
    - iii. **Unit**
    - iv. **Quantity**
    - v. **Action:** Remove button

3. If user click "Add Product" button, a Product List will pop up in a modal as following for user to select:

Product List							
Show <input type="button" value="10"/> entries		Enter search terms <input type="text"/>					
	Part No.	Part Name	Unit	Model	Variant	Type of Product	Category (OEM/REM)
<input checked="" type="checkbox"/>	CP001	Braker Pad Set	pcs	Proton	Standard	Finish Good	OEM
<input checked="" type="checkbox"/>	CP002	Spark Plug	pcs	Honda	High Flow	Components	REM

Showing 1 to 2 of 101 entries    ...

Figure 166: Search Product to Add

- i. The modal consists of:
  - Title
  - Entries filter
  - Search box
  - Search based on column
  - Checkbox for each product
  - Part No.: auto display from Product database
  - Part Name: auto display from Product database
  - Unit: auto display from Product database
  - Model: auto display from Product database
  - Variance: auto display from Product database
  - Type of Product: auto display from Product database
  - Pagination
  - Add button
- ii. Once the product is searched and selected, user has to click <Add> button to add it to the main table to key in the Quantity value as shown below:

+ Add Product					
Show <input type="button" value="10"/> entries		Search <input type="text"/>			
Part No.	Part Name	Unit	Quantity	Action	
DXXX-XX	PART DXXX-XX	PCS	<input type="text"/>	X	

Showing 1 to 1 of 1 Entries    ...

Figure 167: New product is added into the table

4. At the bottom there are several buttons:
- <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

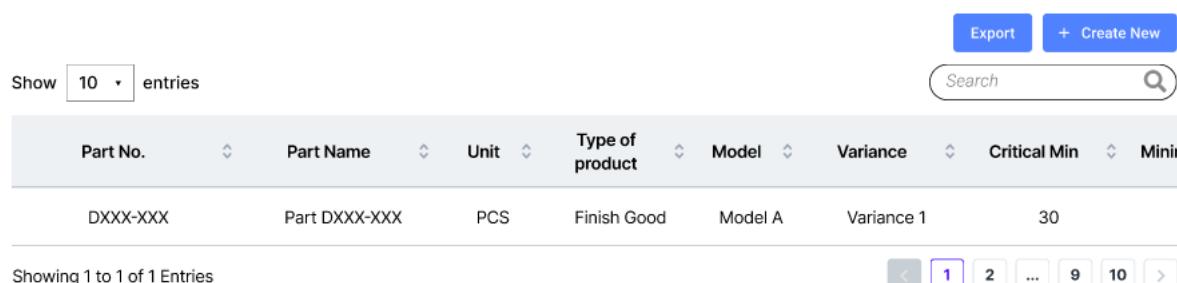
The screen layout will be differ based on the action and user can click action based on permission rights. Same as 4.2.1.B action.

### 4.2.8 Product Reordering

#### A. List

1. It shows a list of Product Reordering records.
2. The record is related to the Inventory Dashboard.
3. Export and Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show following columns:
  - i. Sr#
  - ii. Part No
  - iii. Part Name
  - iv. Unit
  - v. Type of Product
  - vi. Model
  - vii. Variance
  - viii. Critical Min
  - ix. Minimum Qty
  - x. Maximum Qty
  - xi. Action

**Product Reordering List**



The screenshot shows a table titled "Product Reordering List". At the top right are "Export" and "+ Create New" buttons. Below them is a search bar with a magnifying glass icon. On the left, there's a "Show" dropdown set to "10 entries" and a "Search" input field. The table has columns: Part No., Part Name, Unit, Type of product, Model, Variance, Critical Min, and Min. A single row is shown with values: DXXX-XXX, Part DXXX-XXX, PCS, Finish Good, Model A, Variance 1, 30. At the bottom, it says "Showing 1 to 1 of 1 Entries" and has a pagination bar with pages 1 through 10.

Part No.	Part Name	Unit	Type of product	Model	Variance	Critical Min	Min
DXXX-XXX	Part DXXX-XXX	PCS	Finish Good	Model A	Variance 1	30	

Showing 1 to 1 of 1 Entries

Figure 168: List

6. In Action column, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

Create new

1. User fill-in details in form.

**Product Reordering**

+ Add Product

Show 10 entries Search

Part No.	Part Name	Unit	Type of product	Model	Variance	Critical Min
No data available						

Showing 1 to 1 of 1 Entries

1 2 ... 9 10 >

Figure 169: Information key-in create form

- i. The product table consists of:
  - Add Product: button to add product
  - Part No
  - Part Name
  - Unit
  - Type of Product
  - Model
  - Variance
  - Critical Min
  - Minimum Qty
  - Maximum Qty
  - Action: Remove button
2. If user click “Add Product” button, a Product List will pop up in a modal as following for user to select:

Product List

Show 10 entries Enter search terms

	Part No.	Part Name	Unit	Model	Variant	Type of Product	Category (OEM/REM)
<input checked="" type="checkbox"/>	CP001	Braker Pad Set	pcs	Proton	Standard	Finish Good	OEM
<input checked="" type="checkbox"/>	CP002	Spark Plug	pcs	Honda	High Flow	Components	REM

Showing 1 to 2 of 101 entries

1 2 ... 9 10 >

+ Add

Figure 170: Search Product to Add

- i. The modal consists of:
  - Title
  - Entries filter
  - Search box
  - Search based on column
  - Checkbox for each product
  - Part No.: auto display from Product database
  - Part Name: auto display from Product database

- Unit: auto display from Product database
  - Model: auto display from Product database
  - Variance: auto display from Product database
  - Type of Product: auto display from Product database
  - Pagination
  - Add button
- ii. Once the product is searched and selected, user has to click <Add> button to add it to the main table. User has to key in the Critical Min, Minimum Quantity and Maximum Quantity value as shown below:

Product Reordering						
<input type="button" value="+ Add Product"/> <input type="text" value="Search"/> <input type="button" value="X"/>						
Type of product	Model	Variance	Critical Min	Minimum Qty	Maximum Qty	Action
Finish Good	Model A	Variance 1	<input type="text"/>	<input type="text"/>	<input type="text"/>	X
Showing 1 to 1 of 1 Entries						
<input type="button" value="&lt;"/> <input type="button" value="1"/> <input type="button" value="2"/> ... <input type="button" value="9"/> <input type="button" value="10"/> <input type="button" value="&gt;"/>						

Figure 171: New product is added into the table

3. At the bottom there are several buttons:
- <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout will be differ based on the action and user can click action based on permission rights. Same as 4.2.1.B action.

### 4.2.9 Outgoing

#### A. List

1. It shows a list of Outgoing records.
2. Export and Create button is available above the main search box.
3. Saved form will be listed in this list screen.
4. The list will show following columns:
  - i. Sr#
  - ii. Date
  - iii. DO No.
  - iv. Ref No.
  - v. Customer (if any)
  - vi. Supplier (if any)
  - vii. Action

## Outgoing

					<a href="#">Export</a>	<a href="#">+ Create New</a>
					<input type="text" value="Search"/> 	
No.	Date	DO No.	Ref No.	Customer/Supplier	Action	
1	12/12/2023	DO/24/001	PO-1234	Customer A	<a href="#">Action </a>	

Showing 1 to 1 of 1 Entries

« [1](#) [2](#) ... [9](#) [10](#) »

Figure 172: List

5. In Action column, user will have option dropdown to:
  - i. View
  - ii. Preview
  - iii. Edit
  - iv. Delete
6. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.
7. User can search based on each column or at main search field at the top.
8. User can sort column in increasing or decreasing order.
9. User can click "Create" button to create new record.

## Create new

1. User has to select form category (static dropdown) first:
  - Order
  - Sales Return
  - Purchase Return

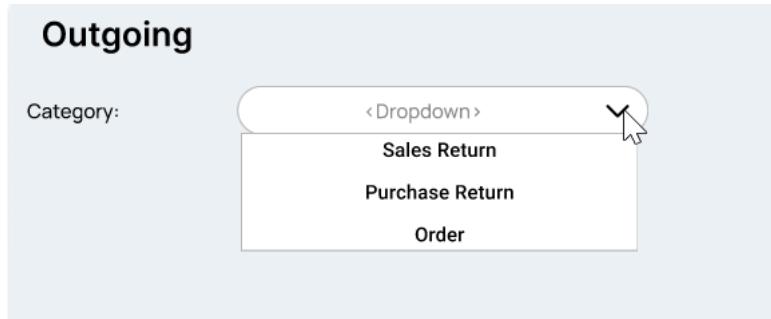


Figure 173: Outgoing form category selection

2. User fill-in details in form.

**Outgoing**

Category:	Order	Date:	<auto>
Delivery Order (DO) No.:	<auto generated running no. />	Created By:	<auto>
Order No.:	<dropdown>	A/C No.:	<user input>
Customer :	<auto based on Sales Return Ref. No. >	Payment Term:	<user input>
Address:	<auto based on Sales Return Ref. No. >		
Mode of Despatch: <user input>			

**+ Add Product**

Show 10 entries     

Part No.	Part Name	Unit	Quantity	Remarks	Action
<auto display based on Order No. >					

Showing 1 to 1 of 1 Entries      < 1 2 ... 9 10 >

Figure 174: Information key-in create form

- i. **Category:** static dropdown
- ii. **DO No.:** auto running no. [Format: DO/running no./yyyy]
- iii. **Ref No:** dropdown based on created Ref No. of selected category
- iv. **Customer/Supplier:** dropdown based on database
- v. **Address:** auto based on selected customer/supplier
- vi. **Created Date:** auto display current date
- vii. **Created By:** auto display current logged in user
- viii. **A/C No.:** text input
- ix. **Payment Term:** text input
- x. **Mode of Despatch:** text input
- xi. The product table (based on selected Ref No.) consists of:
  - Add Product: button to add product
  - No.
  - Part No
  - Part Name
  - Unit
  - Quantity
  - Remarks: add button (Green – have remarks, Red – no remarks)
  - Action: Remove button

3. If user click “Add Product” button, a Product List will pop up in a modal as following for user to select:

Product List							
Show 10 entries		Enter search terms <input type="text"/> <input type="button" value="Search"/>					
	Part No.	Part Name	Unit	Model	Variant	Type of Product	Category (OEM/REM)
<input checked="" type="checkbox"/>	CP001	Braker Pad Set	pcs	Proton	Standard	Finish Good	OEM
<input checked="" type="checkbox"/>	CP002	Spark Plug	pcs	Honda	High Flow	Components	REM

Showing 1 to 2 of 101 entries 1 2 ... 9 10 >

Figure 175: Search Product to Add

- i. The modal consists of:
  - Title
  - Entries filter
  - Search box
  - Search based on column
  - Checkbox for each product
  - Part No.: auto display from Product database
  - Part Name: auto display from Product database
  - Unit: auto display from Product database
  - Model: auto display from Product database
  - Variance: auto display from Product database
  - Type of Product: auto display from Product database
  - Pagination
  - Add button
- ii. Once the product is searched and selected, user has to click <Done> button to add it to the main table to key in the Quantity value as shown below:

<input type="button" value="+ Add Product"/>							
Show 10 entries		Search <input type="text"/>					
Part No.	Part Name	Unit	Quantity	Remarks	Action		
DXXX-XX	PART DXXX-XX	PCS	<input type="text"/>	<input type="text"/>	<input type="button" value="+"/> <input type="button" value="X"/>		

Showing 1 to 1 of 1 Entries 1 2 ... 9 10 >

Figure 176: Selected product is added into the table

4. At the bottom there are several buttons:
  - <Generate Preview> button to print DO
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout will be differ based on the action and user can click action based on permission rights.

## Action: View

1. Same as 4.2.1.B view action.
  2. <Generate Preview> button is provided to generate the DO for printing.

## Action: Preview

- #### 1. To view generated DO.

ZENIG AUTO SDN BHD

ZA-SCM-FRM-001

(1015897-M)

Lot 9414, Jalan Jasmine 1, Seksyen BB 10, Bukit Beruntung,  
 48300 Rawang, Selangor Darul Ehsan.  
 Tel: 03-6028 1712/ 03-6028 4421  
 Fax: 03-6028 2844

**To:** <Recipient> **Delivery Order:** <DO No.>  
 <Recipient's Address> **Mode of despatch:** <mode\_of\_despatch.>  
 <Recipient's Address>  
 <Recipient's Address>

Date <Date>	Customer Order No. <Date>	A/C No: <A/C No.>	Payment Term	<Payment Term >
----------------	---------------------------------	----------------------	-----------------	-----------------

Item No.	Part No.	Part Name	Unit	Quantity
<no>	<Part No. >	<Part Name>	<Unit>	<Quantity>

**ZENIG AUTO SDN BHD**

**CARRIER:-**

**CUSTOMER**

Authorized by:

Received The Above Goods In  
Good Order & Condition

Received The Above Goods In  
Good Order & Condition

Customer Sign & Co's Stamp

Received by: .....

IC No.: .....

Lorry No: .....

Date: .....

Figure 177: Generated DO

### Action: Edit

1. Same as 4.2.1.B edit action.
  2. <Generate Preview> button is provided to generate the DO for printing.

## Action: Delete

1. Same as 4.2.1.B delete action.

#### 4.2.10 Sales Return

## A. List

1. It shows a list of Sales Return records.
  2. Create button is available above the main search box.
  3. Saved form will be listed in this list screen.
  4. The list will show following columns:
    - i. Sr#
    - ii. Sales Return Ref No.
    - iii. Customer Name
    - iv. Returned Qty

- v. Returned Date
- vi. Status
- vii. Action

#### Sales Return

The screenshot shows a table titled "Sales Return" with the following columns: No., Sales Return Ref No., Returned Date, Delivered Qty, Returned Qty, Status, and Action. The "Action" column contains a dropdown menu. At the top, there is a search bar and a button labeled "+ Create New". Below the table, it says "Showing 1 to 1 of 1 Entries" and has a pagination section with buttons for 1, 2, ..., 9, 10.

No.	Sales Return Ref No.	Returned Date	Delivered Qty	Returned Qty	Status	Action
1	15/02/2024	15/02/2024	PN123	Company ABC	P 123	Action

Showing 1 to 1 of 1 Entries

1 2 ... 9 10

Figure 178: List

5. In Action column, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
6. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
7. User can search based on each column or at main search field at the top.
8. User can sort column in increasing or decreasing order.
9. User can click "Create" button to create new record.

#### Create new

1. User fill-in details in form.

The screenshot shows a "Sales Return" creation form. It has two main sections: "Sale Return Details" and "Product Details". The "Sale Return Details" section includes fields for Sales Return Ref No. (auto running no), Created Date (auto display but editable), Customer Name (dropdown), Created by (login user display), Address (auto display), Attn (auto display customer PIC), and Phone (auto display customer mobile phone). The "Product Details" section includes a table with columns: No., Part No., Part Name, Unit, Returned Quantity, Reason, Allocation, and Action. The table has a header row and one data row. At the bottom, there is a "Back To List" link and a "Save" button.

No.	Part No.	Part Name	Unit	Returned Quantity	Reason	Allocation	Action
1	<auto>	<auto>	<auto>	[user input]	[user input]		

Back To List Save

Figure 179: Information key-in create form

- i. **Sales Return Ref No.:** auto running no.
- ii. **Customer Name:** dropdown based on customer database
- iii. **Address:** auto based on selected customer
- iv. **Attn:** auto based on selected customer's PIC Name
- v. **Phone:** auto based on selected customer's PIC Phone No. (Mobile/Work)
- vi. **Created By:** auto current logged in user
- vii. **Created/Returned Date:** auto display current date
- viii. The product table (based on selected DO No.) consists of:
  - Add Product: button to add product
  - No.
  - Part No: auto based on added product
  - Part Name: auto based on added product
  - Unit: auto based on added product
  - Returned Quantity: integer input
  - Reason: text input
  - Allocation: "+" button to assign location
  - Action: remove button

5. If user click "+" button, a modal will pop up as following for user to key in:

The screenshot shows a modal dialog titled "Allocation". Inside, it displays the following information:

- Part No:** DXXX-XXX
- Part Name:** Part DXXX-XXX
- Total Quantity:** xxxx
- Show:** 10 entries
- Search:**  Search
- Table Headers:** Location, Unit, Quantity, Action
- Table Data:** A single row with Location set to "<dropdown>", Unit set to "<auto>", Quantity set to "user input", and Action with a red "X" button.
- Pagination:** Showing 1 to 1 of 1 Entries
- Buttons:** Done, Close

Figure 180: Assign location for the returned quantity

- ii. The modal consists of:
  - Title
  - Part No.: auto based on selected product
  - Part Name: auto based on selected product
  - Total Qty: auto sum based on keyed in Quantity
  - Entries filter
  - Search box
  - Location: dropdown based on area database
  - Unit: auto based on selected product
  - Quantity: integer input
  - Action (Add and remove)
  - Pagination
  - Done button
  - Close button

- iii. Once the product is searched and selected, user has to click <Done> button to add it to the main table as shown below:

Received Quantity	Rejected Qty	Rejected Reason	Accepted Qty	Remarks	Action
100	10	Dented	90	urgent	

Figure 181: New product is added into the table

6. At the bottom there are several buttons:
- <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout will be differ based on the action and user can click action based on permission rights.

### Action: View

1. Same as 4.2.1.B view action.

### Action: Edit

1. Same as 4.2.1.B edit action.

### Action: Delete

1. Same as 4.2.1.B delete action.

## 4.2.11 Purchase Return

### A. List

1. It shows a list of Purchase Return records.
2. Create button is available above the main search box.
3. Saved form will be listed in this list screen.
4. The list will show following columns:
  - i. Sr#
  - ii. Date
  - iii. GRD No.
  - iv. PO No.
  - v. Supplier
  - vi. Quantity
  - vii. Status
  - viii. Action

**Purchase Return**

No.	Date	GRD No.	PO No.	Supplier	Qty	Status	Action
1	12/2/2024	GRD-001	PO-001	Supplier A Inc.	120	Complete	<span>+ Create New</span>

Showing 1 to 1 of 1 Entries

1 2 ... 9 10 >

Figure 182: List

5. In Action column, user will have option dropdown to:
  - i. View
  - ii. Preview
  - iii. Edit
  - iv. Delete
6. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
7. User can search based on each column or at main search field at the top.
8. User can sort column in increasing or decreasing order.
9. User can click "Create" button to create new record.

Create new

1. User fill-in details in form.

**Purchase Return**

**Good Return Details**

GRD No.:	<auto>	Created Date:	<date picker>
PO No.:	<dropdown>	Created By:	<display login username>
Supplier	Supplier	For Office Use:	<dropdown>
Address	<auto Supplier>	Attachment:	<span>View File</span> File_Upload.pdf
Attn	<auto Supplier PIC>		
Phone No:	<auto Supplier >		

**Product/Material Details**

+ Add Product

No.	Part No.	Part Name	Unit	Quantity	Allocation	Returned Reason	Action
1	<auto>	<auto>	<auto>	[user input]	<span>+</span>	[user input]	<span>X</span>

**Remarks**

Input Text

< Back To List      Generate preview      Save

Figure 183: Information key-in create form

- i. **GRD No.:** auto running no.
- ii. **PO No.:** dropdown based on approved Purchase Order
- iii. **Supplier:** dropdown based on supplier database
- iv. **Address:** auto based on selected supplier
- v. **Attn:** auto based on selected supplier's PIC
- vi. **Phone No:** auto based on selected supplier's PIC Phone No.
- vii. **Created Date:** auto display current date
- viii. **Created By:** auto current logged in user
- ix. **For Office Use:** static dropdown

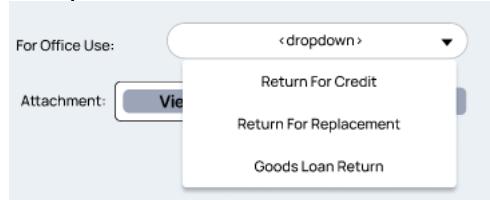


Figure 184: Static dropdown

- x. **Attachment:** upload or download (image or file) with view action
- xi. **Remarks:** textarea
- xii. The product table consists of:
  - Add Product button
  - No.
  - Part No: auto based on added product
  - Part Name: auto based on added product
  - Unit: auto based on added product
  - Quantity: auto based on allocation
  - Allocation: "+" button to assign location
  - Returned Reason: text input
  - Action: remove button

2. If user click "+" button, a modal will pop up as following for user to key in:

The modal has the following structure:

- Title:** Allocation
- Product Information:**
  - Part No: DXXX-XXX
  - Part Name: Part DXXX-XXX
  - Request Qty: XXXXX
  - Picking Qty: XXXXX
- Table Headers:** Lot No., Location, Unit, Available Qty, Picking Qty, Action
- Table Data:** A single row showing DXXX, 100, and a red 'X' button for removal.
- Buttons:** Done, Close

Figure 185: Choose location for the returned quantity

- i. The modal consists of:
  - Title
  - Part No.: auto based on selected product
  - Part Name: auto based on selected product
  - Total Qty: auto sum based on keyed in quantity
  - Entries filter
  - Search box
  - Lot No.: dropdown based on registered Lot No.

- Location: dropdown based on area database
  - Unit: auto based on selected product
  - Quantity: integer input
  - Action: Add and remove
  - Pagination
  - Done button
  - Close button
- ii. Once the product is searched and selected, user has to click <Done> button to add it to the main table as shown below:

Received Quantity	Rejected Qty	Rejected Reason	Accepted Qty	Remarks	Action
100	10	defected	90	urgent	

Figure 186: New product is added into the table

3. At the bottom there are several buttons:
- <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout will be differ based on the action and user can click action based on permission rights.

### Action: View

1. Same as 4.2.1.B view action.
2. Generate Preview button to view the generated GRD.

### Action: Preview

1. To view the generated GRD as shown below:

<b>ZENIG AUTO SDN BHD</b>		ZA-SCM-FRM-001																																																				
 (1015897-M) Lot 9414, Jalan Jasmine 1, Seksyen BB 10, Bukit Beruntung, 48300 Rawang, Selangor Darul Ehsan. Tel: 03-6028 1712/ 03-6028 4421 Fax: 03-6028 2844																																																						
<b>TO:</b> < Supplier Name> < Supplier's Address> < Supplier's Address> < Supplier's Address>  <b>ATTN:</b> <Supplier PIC Name>  <b>TEL:</b> <Supplier PIC Telephone No>  <b>FAX</b> <Supplier PIC Fax No>	<b>GRD NO.:</b>  <b>DATE:</b>  <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">FOR OFFICE USE</td> <td style="width: 50%; text-align: center;"><input checked="" type="checkbox"/></td> </tr> <tr> <td>RETURN FOR CREDIT</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>RETURN FOR REPLACEMENT</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>GOODS LOAN RETURN</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 10%;">Item</th> <th rowspan="2" style="width: 10%;">Ref No.</th> <th rowspan="2" style="width: 40%;">Description/Part No./ Part Name</th> <th rowspan="2" style="width: 10%;">Qty</th> <th colspan="4" style="text-align: center; border-bottom: 1px solid black;">Good Inward</th> </tr> <tr> <th style="width: 10%;">Date</th> <th style="width: 10%;">No.</th> <th style="width: 10%;">Bal.</th> <th style="width: 10%;">Remarks</th> </tr> </thead> <tbody> <tr> <td>&lt;no&gt;</td> <td>&lt;auto&gt;</td> <td>&lt;auto&gt;</td> <td>&lt;auto&gt;</td> <td style="text-align: center;">&lt;auto&gt;</td> <td style="text-align: center;">&lt;auto&gt;</td> <td style="text-align: center;">&lt;auto&gt;</td> <td style="text-align: center;">&lt;auto&gt;</td> </tr> <tr> <td colspan="4"></td> <td colspan="2" style="text-align: center;">Finance Approval:</td> <td colspan="2"></td> </tr> <tr> <td colspan="4"></td> <td colspan="2" style="text-align: center;">Security Release:</td> <td colspan="2"></td> </tr> <tr> <td colspan="4"></td> <td style="text-align: center;">Date:</td> <td style="text-align: center;">Time:</td> <td colspan="2"></td> </tr> </tbody> </table>	FOR OFFICE USE	<input checked="" type="checkbox"/>	RETURN FOR CREDIT	<input type="checkbox"/>	RETURN FOR REPLACEMENT	<input type="checkbox"/>	GOODS LOAN RETURN	<input type="checkbox"/>	Item	Ref No.	Description/Part No./ Part Name	Qty	Good Inward				Date	No.	Bal.	Remarks	<no>	<auto>					Finance Approval:								Security Release:								Date:	Time:									
FOR OFFICE USE	<input checked="" type="checkbox"/>																																																					
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				Finance Approval:																																																		
				Security Release:																																																		
				Date:	Time:																																																	
Kind acknowledge receipt of the following goods by signing to us the duplicate of this form			For <b>ZENIG AUTO SDN BHD</b>																																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Remarks:</td> <td style="width: 50%;"></td> </tr> <tr> <td>Checked By:</td> <td>Transport By:</td> </tr> <tr> <td>Received By:</td> <td>Reg. No.:</td> </tr> <tr> <td>Name:</td> <td>Date:</td> </tr> <tr> <td>I/C No.:</td> <td></td> </tr> <tr> <td colspan="2">Signature</td> </tr> </table>				Remarks:		Checked By:	Transport By:	Received By:	Reg. No.:	Name:	Date:	I/C No.:		Signature																																								
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Name:	Date:																																																					
I/C No.:																																																						
Signature																																																						

Figure 491: Preview

**Action: Edit**

1. Same as 4.2.1.B edit action.
2. Generate Preview button to view the GRD form.

**Action: Verify**

1. Display all information from the latest saved state in read-only mode.
2. Generate Preview button to view the generated GRD form.
3. Verify, Decline and Cancel button is available at the bottom of the page.
4. Once user click <Verify>, Date, Username, Designation and department will be auto display based on the current date and user information.
5. Click <Save> for the changes to be applied.
6. Status of the record will change to "Verified".
7. User cannot edit anymore once verified and verify action can only be done one time.
8. If user click <Decline> button, Date, Username, Designation and Department will be auto display (based on the current date and user information) and Reason field to be keyed in by user.
9. Once saved, status will change to "Declined".
10. If user click <Cancel> button, Date, Username, Designation and Department will be auto display (based on the current date and user information) and Reason field to be keyed in by user.
11. If the form is edit after decline action, the status will revert back to "Submitted". The user will need to verify the form again.

**Notes:**

- A notification will be sent if verification is not done within 1 hour.

**Action: Delete**

1. Same as 4.2.1.B delete action.

## 4.3 Report

### 4.3.1 Inventory Report

1. It shows a report's filter section and list of records.

**Inventory Report**

The screenshot shows the 'Inventory Report' interface. At the top, there is a filter section with four dropdown menus: 'Part No' (Search Item code), 'Part Name' (auto display), 'Area' (Search Item code), 'Rack' (auto display), and 'Level' (auto display). Below the filter section is a 'Search' button with a magnifying glass icon. To the right of the search button is a yellow button labeled 'Click Search for example'. Underneath the filter section is a table header with columns: No., Part No, Part Name, Unit, Qty in-stock, Area, and Rack. The table header has sorting arrows next to each column title. Below the table header, there is a 'Show' dropdown set to '10 entries' and a 'Download' button with a downward arrow icon.

Figure 187: Inventory report

2. At the report filter section, it consists of:

**Inventory Report**

The screenshot shows the 'Inventory Report' interface with a focus on the filter section. The filter section contains four dropdown menus: 'Part No' (Search Item code), 'Part Name' (auto display), 'Area' (Search Item code), and 'Rack' (auto display). Below the filter section is a 'Search' button with a magnifying glass icon.

Figure 188: Filter section

- Search button
- **Part No.:** search dropdown based on Product database
- **Part Name:** auto display based on the Part No. selection
- **Area:** search dropdown
- **Rack:** search dropdown based on selected area

- **Level:** search dropdown based on selected area
3. The list item will show several columns below:
- No.
  - Part No.
  - Part Namec
  - Unit
  - Quantity In - Stock
  - Area
  - Rack
  - Level

Show  entries

No.	Part No	Part Name	Unit	Qty in-stock	Area	Rack
1	P1234	Gear Housing	kg	100	A	1

Figure 189: List

- User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
- User can search based on each column or at main search field at the top.
- User can sort column in increasing or decreasing order.
- User can download the report as csv format.

#### 4.3.2 Stock Card Report

- It shows a report's filter section and list of records.

##### Stock Card

List Item:

Sr.	Date	Screen Name	Ref No.	Part No.	Part Name	Unit	Quantity	Balance
1.	12/12/2023	Good Receiving	12311	AA	Item A	Unit	+20	200

Showing 1 to 1 of 1 Entries

...

Figure 190: Stock Card

2. At the report filter section, it consists of:

### Stock Card

Part No.

Search Item code

Part Name  auto display

Date Range  <date picker date range>

Figure 191: Filter section

- Search button
- **Part No.:** dropdown based on product database
- **Part Name:** auto display based on the selected Part No.
- **Date range:** start date picker and end date picker

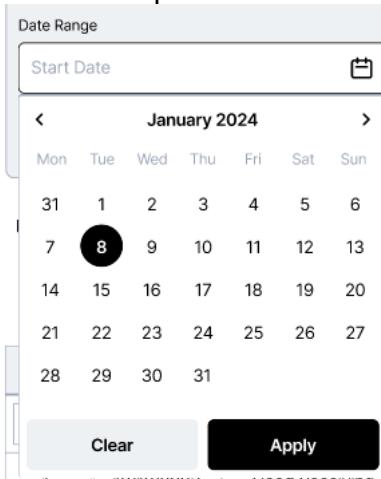


Figure 192: Date range picker (start date and end date)

3. The list item will show several columns below:

- i. Sr.
- ii. Date
- iii. Screen Name
- iv. Ref No.
- v. Part Name
- vi. Part No.
- vii. Unit
- viii. Quantity
- ix. Balance

List Item:

Show 10 entries  Enter search terms

Sr.	Date	Screen Name	Ref No.	Item Code	Description	UOM	Quantity	Balance
<input type="button" value="Search"/>	<input type="button" value="Search"/>	<input type="button" value="Search"/>	<input type="button" value="Search"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Search"/>	<input type="button" value="Search"/>	<input type="button" value="Search"/>
1.	12/12/2023	Good Receiving	12311	AA	Item A	Unit	+20	200

Showing 1 to 1 of 1 Entries   ...

Figure 193: List

4. User can filter the list based on entries and search based on the pagination.
- Pagination has server-side processing if the list is too large.
5. User can search based on each column or at main search field at the top.
6. User can sort column in increasing or decreasing order.
7. User can download the report as csv format.

#### 4.3.3 Summary DO Report

1. It shows a report's filter section and list of records.

Summary DO Report

The screenshot shows a user interface for a 'DO Summary report'. At the top, there is a filter section with fields for 'Date Range' (a date range picker), 'DO No.' (a multiselect search dropdown), 'Ref. No.' (another multiselect search dropdown), and 'Category' (a dropdown). A 'Search' button is located to the right of these fields. Below the filter section is a table header with columns: 'Created Date', 'DO. No.', 'Ref. No.', 'Category', 'Part No.', 'Part Name', and 'Or'. Underneath the header, there is one row of data: '01/01/2024', 'DO123', 'PR123', 'Purchase Return', 'P123', 'PABC', and a partially visible value. At the bottom of the table area, it says 'Showing 1 to 1 of 1 Entries' and shows a page navigation with numbers 1 through 10.

Figure 194: DO Summary report

2. At the report filter section, it consists of:

Summary DO Report

This screenshot shows the 'Summary DO Report' filter section. It includes fields for 'Date Range' (date range picker), 'DO No.' (multiselect search dropdown), 'Ref. No.' (multiselect search dropdown), and 'Category' (dropdown). A 'Search' button is located to the right of the filter fields.

Figure 195: Filter section

- Search button
- **Date Range:** daterange picker

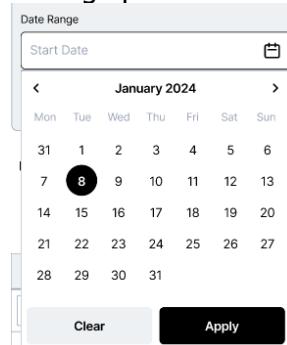


Figure 196: Date range picker (start date and end date)

- **DO No.:** multiselect dropdown with search
- **Ref No.:** multiselect dropdown with search

- **Category:** static dropdown

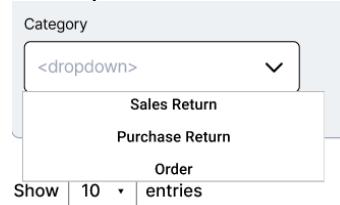


Figure 197: Outgoing form category dropdown

3. The list item will show several columns below:

- No.
- Created Date
- DO No.
- Ref No.
- Category
- Part No
- Part Name
- Order Qty
- Delivered Qty

Show	10	entries	Search		
Ref. No.	Category	Part No.	Part Name	Order Qty	Deliver Qty
PR123	Purchase Return	P123	PABC	1000	1000
Showing 1 to 1 of 1 Entries					
<a href="#"></a>	<a href="#"></a>	<a href="#"></a>	<a href="#"></a>	<a href="#"></a>	<a href="#"></a>

Figure 198: List

4. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.
5. User can search based on each column or at main search field at the top.
6. User can sort column in increasing or decreasing order.
7. User can download the report as csv format.

## 5 Setting

At the top navigation menu, there are four main menu which are **ERP**, **MES**, **WMS** and **Setting**. Under “**Setting**” module, it consists of several sub-module which are Administration, Database and General Setting.

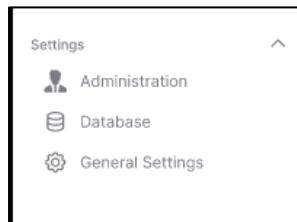


Figure 199: Setting Menu

### 5.1 Administration

#### 5.1.1 User Registration

##### A. List

1. It shows list of records.
2. Authorized user can create a new user.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. Username
  - iii. Full Name
  - iv. Email address
  - v. Active
  - vi. Action

User Registration					
+ Create New Show <input type="button" value="10"/> entries <input style="width: 150px; height: 25px; border-radius: 15px; border: 1px solid #ccc; margin-left: 10px;" type="text" value="Search"/>					
No.	Username	Full Name	Email Address	Active	Action
1	mr. A	Ahmad bin Abu	ahmad@gmail.com	yes	Action
Showing 1 to 1 of 1 Entries <span style="float: right;">&lt; <input style="border: 1px solid #ccc; border-radius: 5px; padding: 2px 5px;" type="button" value="1"/> 2 ... 9 10 &gt;</span>					

Figure 200: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click “Create” button to create new record.

Create new

1. User fill-in details in the create form. All is required (\*) except Phone No.

**User Registration**

User information

Full Name*:	[user input]	Username*:	[user input]
Email Address*:	[user input]	Password*:	[user input] 
Phone Number:	[user input]	Designation*:	<dropdown> 
Department*:	<dropdown> 	Role*:	<dropdown> 
<input checked="" type="checkbox"/> Active User			

Figure 201: Information key-in create form.

- Active User:** checkbox
- Full Name:** text input
- Email address:** text input, should be unique
- Phone No.:** input text
- Department:** dropdown



Figure 202: Department dropdown

- vi. **Username:** input text, should be unique
- vii. **Password:** input text
- viii. **Designation:** dropdown



Figure 203: Designation dropdown

- ix. **Role:** dropdown

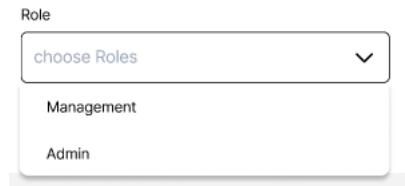


Figure 204: Role dropdown

2. At the bottom there are several buttons:
- <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights.

### Action: View

1. Display all information in Read-only mode.

### Action: Edit

1. Display all information from the latest saved state.
2. User can edit the details that is not in read-only mode.
3. Save and Back button is available in the bottom-right of the page.

### Action: Delete

1. User can delete a record.

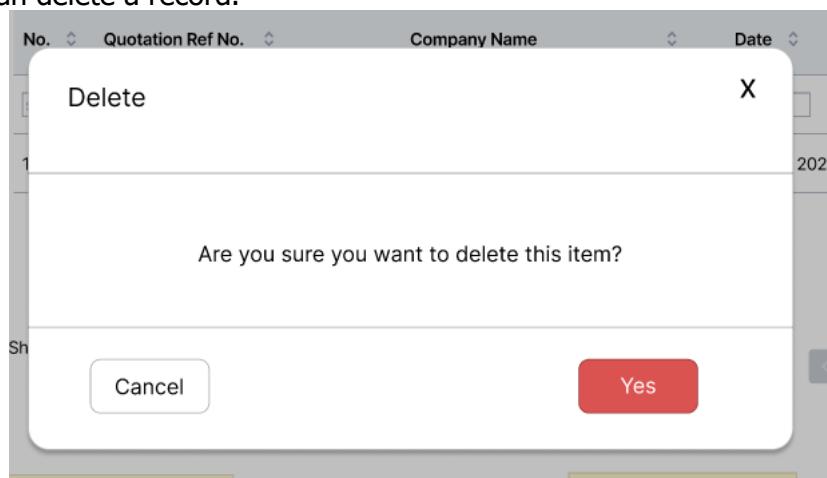


Figure 205: Delete action.

## 5.1.2 Role and Permission

### A. List

1. It shows list of records.
2. Authorized user can create a new role.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. Role
  - iii. Action

### Role and Permission

No.	Role	Action
search		
1	Admin	Action
Showing 1 to 1 of 1 Entries <span style="float: right;">             &lt; <span style="border: 1px solid #ccc; padding: 2px;">1</span> <span>2</span> ... <span>9</span> <span>10</span> &gt;           </span>		

Figure 206: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

### Create new

1. User fill-in details in the Roles tab.

#### Roles

**CREATE NEW ROLE AND PERMISSION**

Roles	Permission
Role Name:	[user input]

Figure 207: Information key-in Roles.

- i. **Role name:** input text, required and should be unique.

2. User fill-in details in the Permission tab.

Permission

CREATE NEW ROLE AND PERMISSION	
Roles	Permission
Search <input type="text"/> <input type="button" value="🔍"/>	
<ul style="list-style-type: none"> <li>▼ <input checked="" type="checkbox"/> Pages 1           <ul style="list-style-type: none"> <li>▼ <input checked="" type="checkbox"/> Pages 1.1               <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Pages1.1.1</li> <li><input checked="" type="checkbox"/> Pages1.1.2</li> </ul> </li> <li>▼ <input checked="" type="checkbox"/> Pages 1.2</li> <li>▼ <input checked="" type="checkbox"/> Pages 1.3</li> </ul> </li> </ul>	

Figure 208: Information key-in create form.

- i. **Searchbox**
  - ii. **Checkbox permission for each screen**
3. At the bottom there are several buttons:
- <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights. Same as "5.1.1 Form B".

### 5.1.3 Department

#### A. List

1. It shows list of records.
2. Authorized user can create a new department.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr#
  - ii. Department Name
  - iii. Action

Department		
Show <input type="button" value="10"/> entries	<input type="text" value="Search"/>	+ Create New
No.	Department Name	Action
1	Sales Department	Action

Showing 1 to 1 of 1 Entries

< 1 2 ... 9 10 >

Figure 209: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

#### Create new

1. User fill-in details in the create form.

**Department Registration**

Department details

Department Name:

Figure 210: Information key-in create form.

- i. **Department Name:** input text, required and should be unique
2. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

#### B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights. Same as "5.1.1 Form B".

#### 5.1.4 Designation

##### A. List

1. It shows list of records.
2. User can create a new designation.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.

5. The list will show several columns below:
- Sr#
  - Designation
  - Action

Designation		
<span style="float: right; border: 1px solid #ccc; padding: 2px;">+ Create New</span>		
Show	10 ▾ entries	<input style="width: 100px; border: 1px solid #ccc; border-radius: 15px; padding: 5px 10px; margin-right: 10px;" type="text"/> Search <span style="font-size: 1.5em; color: #ccc;">🔍</span>
No.	Designation Name	Action
1	Head of Department	<span style="border: 1px solid #ccc; border-radius: 50%; padding: 2px 5px; margin-right: 5px;">Action</span> <span style="font-size: 1.5em; color: #ccc;">⚙️</span>

Showing 1 to 1 of 1 Entries

< 1 > 2 ... 9 10

Figure 211: List

6. In Action, user will have option dropdown to:
  - View
  - Edit
  - Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

#### Create new

1. User fill-in details in the create form.

### Designation Registration

**Designation details**

Designation Name:

Figure 212: Information key-in create form.

- i. **Designation Name:** input text, required and should be unique
2. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

#### B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights. Same as "5.1.1 Form B".

## 5.2 Database

### 5.2.1 Product

#### A. List

1. It shows list of products.
2. Last sync date is stated above the search box.
3. The list will show several columns below:
  - i. Sr.
  - ii. Part No.
  - iii. Part Name
  - iv. Type of Product
  - v. Supplier Name (if any)
  - vi. Supplier Product Code (if any)
  - vii. Customer Name (if any)
  - viii. Customer Product Code (if any)
  - ix. MOQ
  - x. Description
  - xi. Variance
  - xii. Model
  - xiii. Part Weight
  - xiv. Unit
  - xv. Amortization Qty
  - xvi. Delivered Qty (Note: Delivered Qty + Opening Qty – if any)
  - xvii. Balanced Amortization to Complete
  - xviii. Action

The screenshot shows a table with the following columns: No., Part No., Part Name, Type of Product, Model, Variance, Category, and Customer Name. Each column has a dropdown arrow indicating it can be sorted. Below the table, there are eight small search input fields corresponding to each column header. At the bottom of the table, there is one row of data: 1, P001, Gear Assembly, Finish Good, Model A, Standard, OEM, ABC Motors. At the top of the interface, there is a header with a 'Product' title, a '+ Create New' button, a 'Search' input field with a magnifying glass icon, and a 'Show 10 entries' dropdown. At the bottom, there is a pagination bar showing 'Showing 1 to 1 of 1 Entries' and buttons for navigating between pages (1, 2, ..., 9, 10).

Figure 213: List

4. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Ammortization
  - iv. Delete
5. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
6. User can search based on each column or at main search field at the top.
7. User can sort column in increasing or decreasing order.
8. User can click "Create" button to create new record.

Create new

- User fill-in details in the create form.

The screenshot shows a 'Product Registration' form with the following fields:

- Product Details** section:
  - Part No.\*: Text input field with placeholder <User input>.
  - Description: Text area with placeholder <User input>.
  - Part Name.\*: Text input field with placeholder <User input>.
  - Type of product\*: Static dropdown with placeholder <Dropdown>.
  - MOQ: Text input field with placeholder <user input>.
  - Model: Text input field with placeholder <user input>.
  - Unit\*: Static dropdown with placeholder <Dropdown>.
  - Category: Static dropdown with placeholder <Dropdown>.
  - Part Weight: Text input field with placeholder <User input>.
  - Variance: Text input field with placeholder <User input>.
  - Standard Packaging: Text input field with placeholder <User input>.
- Customer / Supplier**: A toggle button. When set to Customer, it shows 'Supplier' fields; when set to Supplier, it shows 'Customer' fields.
- Supplier Name: Static dropdown with placeholder <Dropdown>.
- Supplier Product Code: Text input field with placeholder <User input>.
- Have BOM: Checkbox field.

Figure 214: Information key-in create form.

- Part No.:** text input, required and should be unique
- Part Name:** text input, required
- Type of Product:** static dropdown

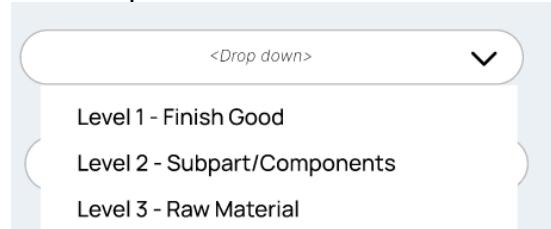


Figure 215: Type of Product dropdown

- Model:** text input
- Category:** static dropdown

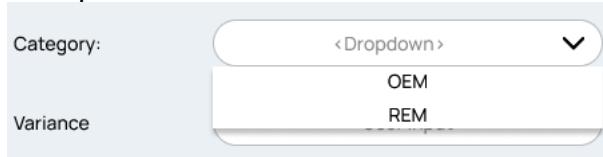


Figure 216: Category dropdown

- Variance:** text input
- Description:** textarea
- MOQ:** integer input
- Unit:** dropdown, auto display based on unit database and required
- Part Weight:** integer input
- Standard Packaging:** text input
- Customer/Supplier:** toggle button to switch fields for customer or supplier details (xiii and xiv)
- Customer/Supplier Name:** dropdown, auto display based on customer database
- Customer/Supplier Product Code:** text input
- Have BOM:** checkbox to allow user select part to create BOM

2. At the bottom there are several buttons:
- <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights.

### Action: View

1. Display all information in Read-only mode.

### Action: Edit

1. Display all information from the latest saved state.
2. User can edit the details that is not in read-only mode.
3. Save and Back button is available in the bottom-right of the page.

### Action: Ammortization

1. Only authorized user can access this action and form.

**Ammortization Registration**

**Product/Asset Information**

Ammortization Quantity:	<User input>
Delivered Quantity:	<User input>
Opening delivered quantity:	<User input>
Balanced Ammortization to Complete:	<Auto>

**Additional Information (Optional)**

Start Date:	<select date>
Ammortization Period:	<User input>
Unit:	<Dropdown>

Figure 217: Information key-in create form.

- i. Product/Asset Information section consist of:
    - **Ammortization Quantity:** integer input
    - **Opening Delivered Quantity:** integer input
    - **Delivered Quantity:** integer input
    - **Balance Ammortization to Complete:** text input
  - ii. Additional Information (Optional) section consist of:
    - **Start Date:** datepicker
    - **Ammortization Period:** integer input
    - **Unit:** dropdown, auto based on unit database
2. Save and Back button is available in the bottom-right of the page.

**Action: Delete**

1. User can delete a record.

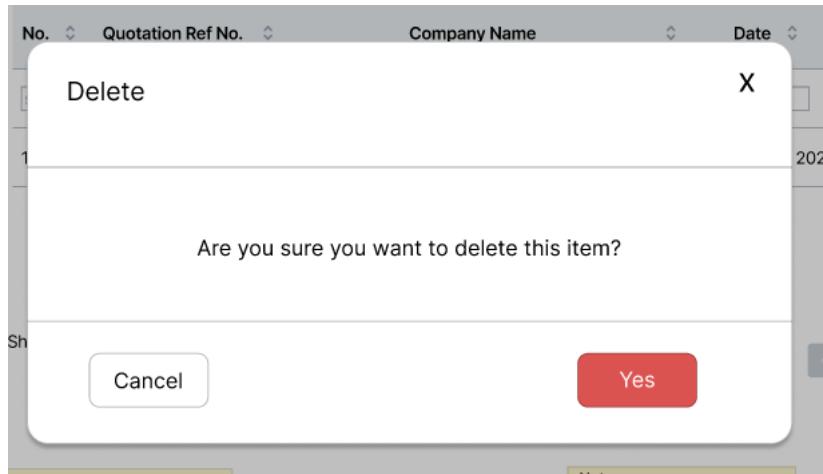


Figure 218: Delete action.

**5.2.2 Supplier****A. List**

1. It shows list of records.
2. User can create a new supplier.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr.
  - ii. Supplier Name
  - iii. Supplier Address
  - iv. Contact Number
  - v. Group
  - vi. Action

Supplier					
+ Create New Show <select>10</select> entries <input placeholder="Search" style="width: 150px;" type="text"/>					
No.	Supplier Name	Supplier Address	Contact Numbers	Group	Action
1	ABC Electronics Inc.	123 Main Street, Techville, CA, 98765	+1 (555) 123-4567	Indirect	Action
Showing 1 to 1 of 1 Entries < <span style="border: 1px solid blue; padding: 2px;">1</span> 2 ... 9 10 >					

Figure 219: List

6. In Action, user will have option dropdown to:

- i. View
- ii. Edit
- iii. Delete

7. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

### Create new

1. User fill-in details in the create form.

The form is titled "Supplier Registration". It is divided into two main sections: "Supplier details" and "Contact Person Details".

- Supplier details:**
  - Supplier Name\*: Input text, required and should be unique.
  - Supplier Address: Textarea.
  - Contact Numbers: Input text.
  - Group: Static dropdown with options "Direct" and "Indirect".
- Contact Person Details:**
  - Contact Person Name: Input text.
  - Telephone: Input text.
  - Department: Input text.
  - Mobile Phone: Input text.
  - Fax: Input text.
  - Email: Input text.

A yellow callout box in the top right corner lists the group options: • Direct • Indirect.

Figure 220: Information key-in create form.

- i. Supplier Details section consist of:
  - Supplier Name:** Input text, required and should be unique
  - Supplier Address:** textarea
  - Contact Numbers:** Input text
  - Group:** static dropdown



Figure 221: Category dropdown

- ii. Contach Person Details section consist of:
  - Contact Person Name:** Input text
  - Department:** Input text
  - Mobile Phone:** Input text
  - Telephone:** Input text
  - Fax:** Input text
  - Email:** Input text
2. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

### B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights. Same as View, Edit and Delete action at "5.2.1 Form B".

### 5.2.3 Customer

#### A. List

1. It shows list of records.
2. User can create a new customer.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr.
  - ii. Customer Name
  - iii. Customer Address
  - iv. Customer Phone No.
  - v. Action

The screenshot shows a customer list interface. At the top right is a blue button labeled '+ Create New'. Below it is a search bar with a magnifying glass icon. To the left is a dropdown menu labeled 'Show' with '10' selected, and a link 'entries'. The main area is a table with the following data:

No.	Customer Name	Customer Address	Customer Phone No.	Action
1	XYZ Corporation	123 Main Street, Cityville, State, 56789	1234567890	Action

Below the table, it says 'Showing 1 to 1 of 1 Entries'. At the bottom are navigation buttons: '<', '1' (highlighted in blue), '2', '...', '9', '10', and '>'.

Figure 222: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

Create new

- User fill-in details in the create form.

The screenshot shows a 'Customer Registration' form. The left side is labeled 'Customer details' and includes fields for 'Customer Name' (text input), 'Customer Code' (text input), 'Customer Address' (text area), and 'Customer Phone No.' (text input). The right side is labeled 'PIC Details' and includes fields for 'Name' (text input), 'Department' (text input), 'Phone (Work)' (text input), 'Phone (Mobile)' (text input), 'Fax' (text input), and 'Email' (text input). At the top right of the form area, there is a yellow button labeled 'change design'.

Figure 223: Information key-in create form.

- Customer Details section consist of:
  - Customer Name:** Input text, required and should be unique
  - Customer Code:** Input text
  - Customer Address:** textarea
  - Customer Phone No.:** Input text
- PIC Details section consist of:
  - Name:** Input text
  - Department:** Input text
  - Phone (Work):** Input text
  - Phone (Mobile):** Input text
  - Fax:** Input text
  - Email:** Input text
- At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

**B. Form**

The screen layout for form will be differ based on the action and user can click action based on permission rights. Same as View, Edit and Delete action at "5.2.1 Form B".

**5.2.4 Process****A. List**

- It shows list of records.
- User can create a new process.
- Create button is available above the main search box.
- Saved form will be listed in this list screen.
- The list will show several columns below:
  - Sr.
  - Process Name
  - Process Code
  - Description
  - Action

Process					
<span style="float: right; border: 1px solid #ccc; padding: 2px;">+ Create New</span>					
Show <span style="border: 1px solid #ccc; padding: 2px 5px;">10</span> entries <span style="float: right;">Search </span>					
No.	Process Name	Process Code	Description	Action	
1	Process XYZ	Process 123	Process this	Action	

Showing 1 to 1 of 1 Entries 1 2 ... 9 10 >

Figure 224: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

#### Create new

1. User fill-in details in the create form.

The form is titled "Process Registration". It contains a section labeled "Process Details" with three input fields:

- Process Name: [User input]
- Process Code: [User input]
- Description: [User input]

Figure 225: Information key-in create form.

- i. **Process Name:** Input text, required and should be unique
- ii. **Process Code:** Input text
- iii. **Description:** Input text
2. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

#### B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights. Same as View, Edit and Delete action at "5.2.1 Form B".

### 5.2.5 Unit

#### A. List

1. It shows list of records.
2. User can create a new unit.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr.
  - ii. Unit Name
  - iii. Unit Code
  - iv. Action

Unit				<a href="#">+ Create New</a>
Show	10	entries	Search	
No.	Unit Name	Unit Code	Action	
<a href="#">search</a>	<input type="text" value="search"/>	<input type="text" value="search"/>		
1	kilogram	kg	<a href="#">Action</a>	

Showing 1 to 1 of 1 Entries

[1](#) [2](#) [...](#) [9](#) [10](#)

Figure 226: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

#### Create new

1. User fill-in details in the create form.

**Unit Registration**

Unit Name:	<input type="text" value=" [user input]"/>	Unit Code:	<input type="text" value=" [user input]"/>
------------	--	------------	--

Figure 227: Information key-in create form.

- i. **Unit Name:** Input text, required and should be unique
- ii. **Unit Code:** Input text, required and should be unique
2. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights. Same as View, Edit and Delete action at "5.2.1 Form B".

### 5.2.6 Area - Level

#### A. List

1. It shows list of records.
2. User can create a new area - level.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr.
  - ii. Area Level
  - iii. Level Code
  - iv. Action

No.	Level	Level Code	Action
1	Level 1	A1	Action

Figure 228: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

#### Create new

1. User fill-in details in the create form.

Level Name:	[user input]	Level Code:	[user input]
-------------	--------------	-------------	--------------

Figure 229: Information key-in create form.

- i. **Area Level:** Input text
- ii. **Area Level code:** Input text

2. At the bottom there are several buttons:
- <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights. Same as View, Edit and Delete action at "5.2.1 Form B".

### 5.2.7 Area - Rack

#### A. List

1. It shows list of records.
2. User can create a new area - rack.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr.
  - ii. Rack
  - iii. Rack Code
  - iv. Action

The screenshot shows a list screen titled 'Area - Rack'. At the top right is a blue button labeled '+ Create New'. Below it is a search bar with a magnifying glass icon. On the left, there's a 'Show' dropdown set to '10 entries' and a 'Search' input field. The main area has a table with columns: 'No.', 'Rack', 'Rack Code', and 'Action'. The first row shows '1', 'Rack A', 'RA', and an 'Action' button. Below the table, it says 'Showing 1 to 1 of 1 Entries'. At the bottom right are navigation buttons for pages 1 through 10.

No.	Rack	Rack Code	Action
1	Rack A	RA	Action

Figure 230: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

[Create new](#)

1. User fill-in details in the create form.

The screenshot shows a form titled "Area - Rack Registration". It contains three input fields: "Rack Name" with placeholder "[user input]", "Rack Code" with placeholder "[user input]", and "Level" which is a multiselect dropdown menu showing "<dropdown>".

Figure 231: Information key-in create form.

- i. **Rack Name:** Input text
  - ii. **Rack code:** Input text
  - iii. **Level:** multiselect dropdown
2. At the bottom there are several buttons:
    - <Save> button to save and the record will be listed in the main list.
    - <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights. Same as View, Edit and Delete action at "5.2.1 Form B".

### 5.2.8 Area

#### A. List

1. It shows list of records.
2. User can create a new area.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr.
  - ii. Area
  - iii. Area Code
  - iv. Department
  - v. Action

The screenshot shows a list screen for "Area". At the top right is a blue button labeled "+ Create New". Below it is a search bar with a magnifying glass icon. On the left, there's a "Show" dropdown set to "10 entries". The main area has a table with the following data:

No.	Area	Area Code	Department	Action
1	Area ABC	Area 123	Warehouse	Action

At the bottom, it says "Showing 1 to 1 of 1 Entries" and has a navigation bar with page numbers 1, 2, ..., 9, 10, and arrows.

Figure 232: List

6. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.
7. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
8. User can search at main search field at the top or based on column.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

#### Create new

1. User fill-in details in the create form.

The screenshot shows a light gray header 'Area Registration'. Below it are four input fields arranged in two rows. The first row contains 'Area Name' with placeholder '[user input]' and 'Area Code' with placeholder '[user input]'. The second row contains 'Rack' with a dropdown labeled '<drop-down>' and 'Department Name' with a dropdown labeled '<dropdown>'.

Figure 233: Information key-in create form.

- i. **Area:** Input text
  - ii. **Area code:** Input text
  - iii. **Rack:** multiselect dropdown based on Area – Rack database
  - iv. **Department Name:** dropdown based on Department database
2. At the bottom there are several buttons:
    - <Save> button to save and the record will be listed in the main list.
    - <Back to list> button is on the bottom left of the page if user want to cancel.

#### B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights. Same as View, Edit and Delete action at "5.2.1 Form B".

#### 5.2.9 Machine

##### A. List

1. It shows list of records.
2. User can create a new machine.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr.
  - ii. Machine Name
  - iii. Machine Code
  - iv. Machine Tonnage
  - v. Action

Machine					
<a href="#" style="color: blue;">+ Create New</a>					
Show	10	entries	<input type="text" value="Search"/>		
No.	Machine Name	Machine Code	Machine Tonnage	Action	
1	XYZ-2000	123456789	9/1/2024	Action	

Showing 1 to 1 of 1 Entries

...

Figure 234: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete (Only for superadmin)
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. Create is (only for superadmin).

#### Create new

1. User fill-in details in the create form.

**Machine Registration**

**Machine details**

Machine Name:	[user input]
Machine Code:	[user input]
Machine Tonnage:	<dropdown>
Machine Category	<dropdown>

Figure 235: Information key-in create form.

- i. **Machine Name:** Input text, required and should be unique
- ii. **Machine Code:** Input text, required and should be unique
- iii. **Machine Tonnage:** Input text
- iv. **Machine Category:** static dropdown

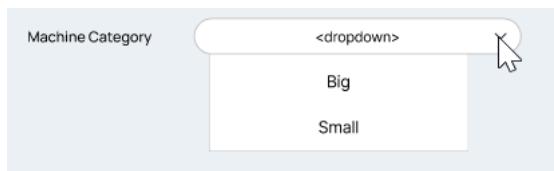


Figure 236: Machine Category dropdown

2. At the bottom there are several buttons:

- <Save> button to save and the record will be listed in the main list.
- <Back to list> button is on the bottom left of the page if user want to cancel.

## B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights. Same as View and Delete action at "5.2.1 Form B".

### Action: Edit

1. Display all information from the latest saved state.
2. User can only edit the following details:
  - Machine Tonnage
  - Machine Category
3. Save and Back button is available in the bottom-right of the page.

## 5.2.10 Machine Tonnage

### A. List

1. It shows list of records.
2. User can create a new machine tonnage.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr.
  - ii. Machine Tonnage
  - iii. Action

Machine Tonnage		
<span style="float: right;">+ Create New</span>		
Show	10	entries
No.	Machine Tonnage	Action
1	Process XYZ	<span style="float: right;">Action </span>

Showing 1 to 1 of 1 Entries

< 1 2 ... 9 10 >

Figure 237: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

Create new

1. User fill-in details in the create form.

The screenshot shows a light gray rectangular form titled "Machine Tonnage Registration". Inside, there is a section titled "Machine Tonnage Details" with a single input field labeled "Machine Tonnage" containing the placeholder text "[User input]".

Figure 238: Information key-in create form.

- i. **Machine Tonnage:** Input text, required and should be unique
2. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

**B. Form**

The screen layout for form will be differ based on the action and user can click action based on permission rights. Same as View, Edit and Delete action at "5.2.1 Form B".

**5.2.11 Type of Product****A. List**

1. It shows list of records.
2. User can create a new Type of Product.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr.
  - ii. Type of Product
  - iii. Description
  - iv. Action

The screenshot shows a table titled "Type of Product". The table has columns: "No.", "Type of Product", "Description", and "Action". There is one row of data: "1", "Finish Good", "Completed/Finished product", and an "Action" button with a dropdown arrow. Above the table, there is a search bar with three input fields and a "Search" button. Below the table, there is a pagination bar showing "Showing 1 to 1 of 1 Entries" and a set of navigation icons.

Figure 239: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination. Pagination has server-side processing if the list is too large.

8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

#### Create new

1. User fill-in details in the create form.

The screenshot shows a light blue header labeled 'Type of Product Registration'. Below it is a section titled 'Type of Product Details'. It contains two input fields: one for 'Type of Product' (a text input with placeholder '[user input]') and another for 'Description' (a textarea with placeholder '[user input]').

Figure 240: Information key-in create form.

- i. **Type of Product:** Input text, required and should be unique
  - ii. **Description:** textarea
2. At the bottom there are several buttons:
    - <Save> button to save and the record will be listed in the main list.
    - <Back to list> button is on the bottom left of the page if user want to cancel.

#### B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights. Same as View, Edit and Delete action at "5.2.1 Form B".

#### 5.2.12 Type of Rejection

##### A. List

1. It shows list of records.
2. User can create a new Type of Rejection.
3. Create button is available above the main search box.
4. Saved form will be listed in this list screen.
5. The list will show several columns below:
  - i. Sr.
  - ii. Type of Rejection
  - iii. Action

##### Type of Rejection

The screenshot shows a table with the following data:

No.	Rejection Name	Action
1	Car Brand	Action

At the top, there are search bars for 'No.' and 'Rejection Name'. Above the table, there is a blue button labeled '+ Create New'. At the bottom, there are navigation buttons: '<' and '>', followed by page numbers 1, 2, ..., 9, 10, and '>>'.

Figure 241: List

6. In Action, user will have option dropdown to:
  - i. View
  - ii. Edit
  - iii. Delete
7. User can filter the list based on entries and search based on the pagination.  
Pagination has server-side processing if the list is too large.
8. User can search based on each column or at main search field at the top.
9. User can sort column in increasing or decreasing order.
10. User can click "Create" button to create new record.

#### Create new

1. User fill-in details in the create form.

The screenshot shows a light gray rectangular form titled 'Type of Rejection'. Inside, there is a section labeled 'Type of rejection details' containing a single input field. The input field is labeled 'Rejection Name:' and contains the placeholder text '[user input]'. The entire form is set against a white background.

Figure 242: Information key-in create form.

- i. **Rejection Name:** Input text, required and should be unique
2. At the bottom there are several buttons:
  - <Save> button to save and the record will be listed in the main list.
  - <Back to list> button is on the bottom left of the page if user want to cancel.

#### B. Form

The screen layout for form will be differ based on the action and user can click action based on permission rights. Same as View, Edit and Delete action at "5.2.1 Form B".

### 5.3 General Setting

General Setting will display the setting tab layout/form and only be accessible by authorized user.

The screenshot shows a 'General Setting' form enclosed in a black-bordered box. At the top, there is a horizontal navigation bar with five tabs: 'SST Percentage', 'PO Important Note', 'Spec Break', 'Initial Ref No.', and 'PR Approval'. Below this, there is a section labeled 'SST Percentage (%)' followed by a text input field containing the placeholder '[user input]'. The entire form is set against a white background.

Figure 243: General Setting forms

#### 5.3.1 SST Percentage

1. By default, will shows the form for user to edit.
2. <Save> button is available at the bottom right.

SST Percentage	PO Important Note	Spec Break	Initial Ref No.	PR Approval
SST Percentage (%): <input type="text" value=" [user input]"/>				
<input type="button" value="Save"/>				

Figure 244: Information key-in

i. **SST Percentage (%)**: input text

### 5.3.2 PO Important Note

1. By default, will shows the form for user to edit.
2. <Save> button is available at the bottom right.

SST Percentage	PO Important Note	Spec Break	Initial Ref No	PR Approval
PO Important Note: <input type="text" value=" [user input]"/>				
<input type="button" value="Save"/>				

Figure 245: Information key-in

i. **PO Important Note**: textarea

### 5.3.3 Spec Break

1. By default, will shows the form for user to edit.
2. <Save> button is available at the bottom right.

Figure 246: Information key-in

- i. **Normal Hour:** integer input
  - ii. **OT Hour:** integer input

#### 5.3.4 Initial Ref No

1. By default, will shows the form for user to edit.
  2. <Save> button is available at the bottom right.

SST Percentage	PO Important Note	Spec Break	Initial Ref No.	PR Approval																				
<p>Initial Ref No.</p> <div style="float: right; margin-right: 10px;"><a href="#">+ Add Row</a></div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Ref No.</th> <th>Running No.</th> <th>Sample</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td><a href="#">search</a></td> <td><input type="text" value="search"/></td> <td><a href="#">search</a></td> <td><a href="#">search</a></td> <td></td> </tr> <tr> <td>1</td> <td><input type="text" value="Quotation Ref. No."/></td> <td><input type="text" value="1"/></td> <td><input type="text" value="QRF/01/2024"/></td> <td><a href="#" style="color: red;">x</a></td> </tr> <tr> <td>2</td> <td><input &lt;--&gt;<="" td="" type="text" value="&lt;dropdown&gt;"/> <td><input type="text" value="user input"/></td> <td><input type="text" value="auto&gt;"/></td> <td><a href="#" style="color: red;">x</a></td> </td></tr> </tbody> </table> <div style="margin-top: 10px;"> <div style="display: flex; justify-content: space-between; width: 100%;"> <div style="width: 30%;"> <p>Ref No.:</p> <ul style="list-style-type: none"> <li>• Quotation</li> <li>• DO</li> <li>• PP</li> <li>• PR</li> <li>• PO</li> <li>• Planning</li> <li>• Production Order</li> <li>• MRF</li> <li>• TR</li> <li>• Discrepancy</li> <li>• Stock Relocation</li> <li>• Sales Return</li> <li>• GRD</li> </ul> </div> <div style="width: 40%;"> <p>Ref no. is based on existing ref no by module</p> </div> <div style="width: 30%;"> <p>initial ref no. will reset every year automatically</p> </div> </div> </div>					No.	Ref No.	Running No.	Sample	Action	<a href="#">search</a>	<input type="text" value="search"/>	<a href="#">search</a>	<a href="#">search</a>		1	<input type="text" value="Quotation Ref. No."/>	<input type="text" value="1"/>	<input type="text" value="QRF/01/2024"/>	<a href="#" style="color: red;">x</a>	2	<input &lt;--&gt;<="" td="" type="text" value="&lt;dropdown&gt;"/> <td><input type="text" value="user input"/></td> <td><input type="text" value="auto&gt;"/></td> <td><a href="#" style="color: red;">x</a></td>	<input type="text" value="user input"/>	<input type="text" value="auto&gt;"/>	<a href="#" style="color: red;">x</a>
No.	Ref No.	Running No.	Sample	Action																				
<a href="#">search</a>	<input type="text" value="search"/>	<a href="#">search</a>	<a href="#">search</a>																					
1	<input type="text" value="Quotation Ref. No."/>	<input type="text" value="1"/>	<input type="text" value="QRF/01/2024"/>	<a href="#" style="color: red;">x</a>																				
2	<input &lt;--&gt;<="" td="" type="text" value="&lt;dropdown&gt;"/> <td><input type="text" value="user input"/></td> <td><input type="text" value="auto&gt;"/></td> <td><a href="#" style="color: red;">x</a></td>	<input type="text" value="user input"/>	<input type="text" value="auto&gt;"/>	<a href="#" style="color: red;">x</a>																				
<a href="#" style="color: blue; font-size: 1.2em;">Save</a>																								

Figure 247: Information key-in

- i. Add Row: button (super admin only)
  - ii. **Ref No:** auto based on existing ref no. by module (e.g. Quotation Ref No./ PO No./DO No.)
  - iii. **Running No.:** integer input
  - iv. **Sample:** auto

v. **Action:** remove button (super admin only)

### 5.3.5 PR Approval

1. By default, will shows the form for user to edit.
2. <Save> button is available at the bottom right.

SST Percentage	PO Important Note	Spec Break	Initial Ref No.	PR Approval																		
<b>Purchase Requisition Approval</b> <div style="float: right; margin-right: 10px;">refer to purchase requisition</div> <div style="float: right; margin-top: -20px; border: 1px solid #ccc; padding: 2px 5px; background-color: #f0f0f0; border-radius: 5px; font-size: small;">+ Add Row</div>																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Designation</th> <th>Department</th> <th>less/more than</th> <th>Amount(RM)</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td><input type="button" value="COO"/></td> <td><input type="button" value="PR"/></td> <td><input type="button" value="&lt;"/></td> <td><input type="button" value="3000"/></td> <td><input type="button" value="x"/></td> </tr> <tr> <td>1</td> <td>&lt;dropdown&gt;</td> <td>&lt;dropdown&gt;</td> <td>&lt;dropdown&gt;</td> <td>[user input]</td> <td><input type="button" value="x"/></td> </tr> </tbody> </table> <div style="margin-top: 10px; border: 1px solid #ccc; padding: 5px; background-color: #f0f0f0; border-radius: 5px; font-size: small;"> <b>Note</b>          if user select asset → after account verified →          notify MD for approval  <ul style="list-style-type: none"> <li>• else →</li> <li>• &lt;RM3k by COO</li> <li>• &gt;RM3k by CEO</li> <li>• &gt;RM10K by MD</li> </ul> </div> <div style="float: right; margin-top: -10px; border: 1px solid #ccc; padding: 2px 5px; background-color: #f0f0f0; border-radius: 5px; font-size: small;">Save</div>					No.	Designation	Department	less/more than	Amount(RM)	Action	1	<input type="button" value="COO"/>	<input type="button" value="PR"/>	<input type="button" value="&lt;"/>	<input type="button" value="3000"/>	<input type="button" value="x"/>	1	<dropdown>	<dropdown>	<dropdown>	[user input]	<input type="button" value="x"/>
No.	Designation	Department	less/more than	Amount(RM)	Action																	
1	<input type="button" value="COO"/>	<input type="button" value="PR"/>	<input type="button" value="&lt;"/>	<input type="button" value="3000"/>	<input type="button" value="x"/>																	
1	<dropdown>	<dropdown>	<dropdown>	[user input]	<input type="button" value="x"/>																	

Figure 248: Information key-in

- i. **Normal Hour:** integer input
- ii. **OT Hour:** integer input

## 6 Notification, User and Logout

1. Current user role, name and Logout button will be displayed as below:

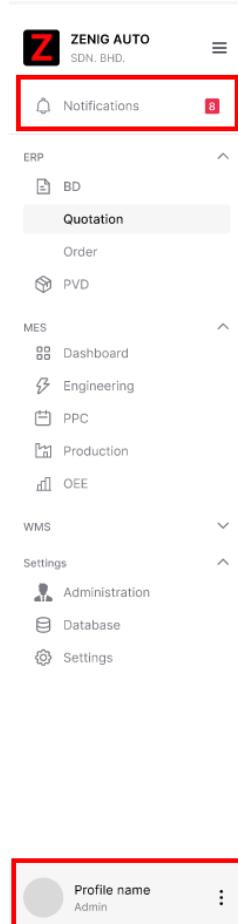


Figure 249: Notification, user and logout.

2. Notification will be recorded in a list which consist of:

- i. Date
- ii. Screen
- iii. Action
- iv. Notification

### Notification

Notification				
Date	Screen	Action	Notification	
9/9/2023 11:33:23	Call for Assistance	Create	Call for Assistance, Lot traveller batch: 2002330039_789384_NPladjasd89324, Calling Time: 9/9/2023 1:33:23 AM	
Showing 1 to 1 of 1 Entries				
<span style="float: right;">&lt; 1 2 ... 9 10 &gt;</span>				

Figure 250: Notification, user and logout.

Both parties are agreed to the stated scope of work and design (in this document) for the development of MaDAMS system for **ZENIG AUTO SDN BHD**. Any additional scope of work requested by **ZENIG AUTO SDN BHD** will be discussed further with **TECHCAPITAL RESOURCES SDN BHD**. **Note: Subjected to feasibility and Attachments.**

Prepared by: ) Ms. Nur Niqmah Atira Badean  
Software Engineer

Verified by: )  
for and on behalf of )  
**TechCapital Resources Sdn Bhd** )

-----  
Name:  
Designation:

Accepted by: )  
for and on behalf of )  
**Zenig Auto Sdn Bhd** )

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Name:  
Designation: