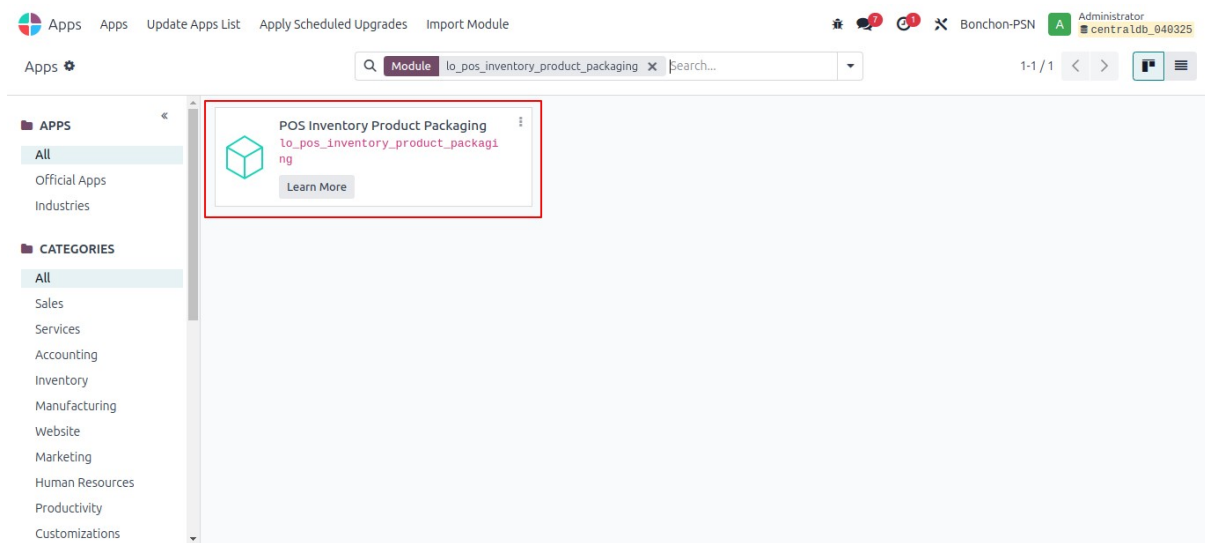# *Product Packaging Functionality in Inventory, POS, Purchase.*
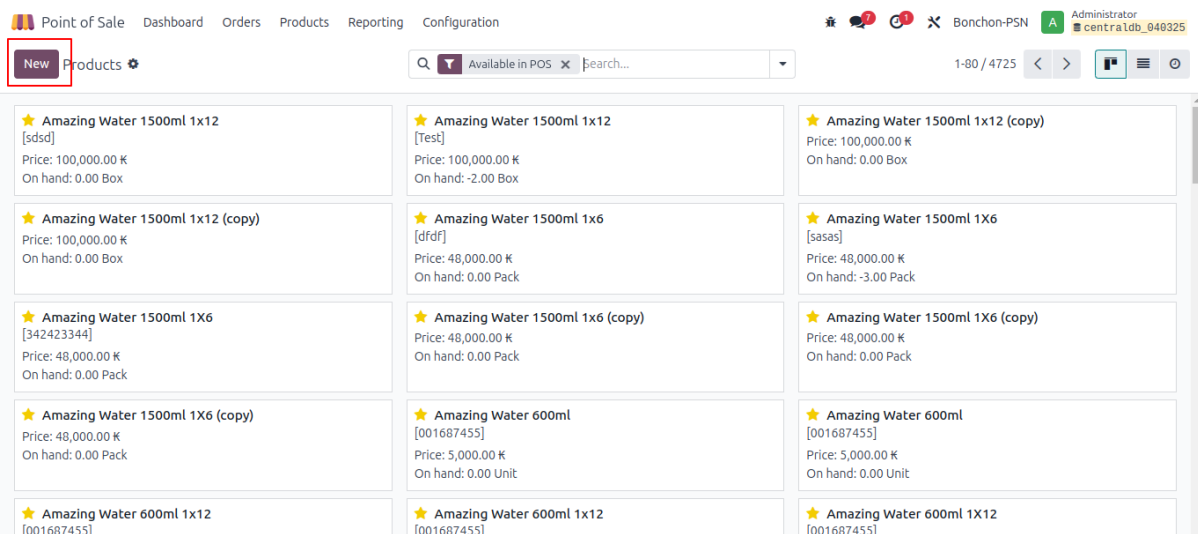
➢ This module is extends the odoo Pos Markdown features.

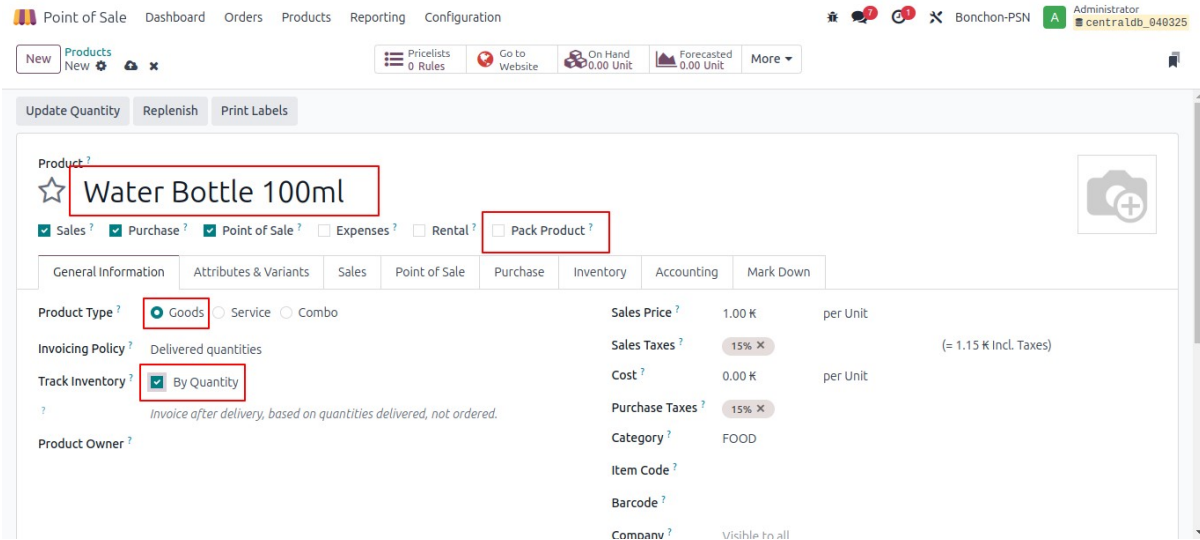1. First we have to install the module 'lo_pos_inventory_product_packaging'.

2. First We have to create a Small Product as per given instruction and as mention in the snapshot.

- Go to Product Section POS > Products and Click on **'New'** for creating a new Small products.
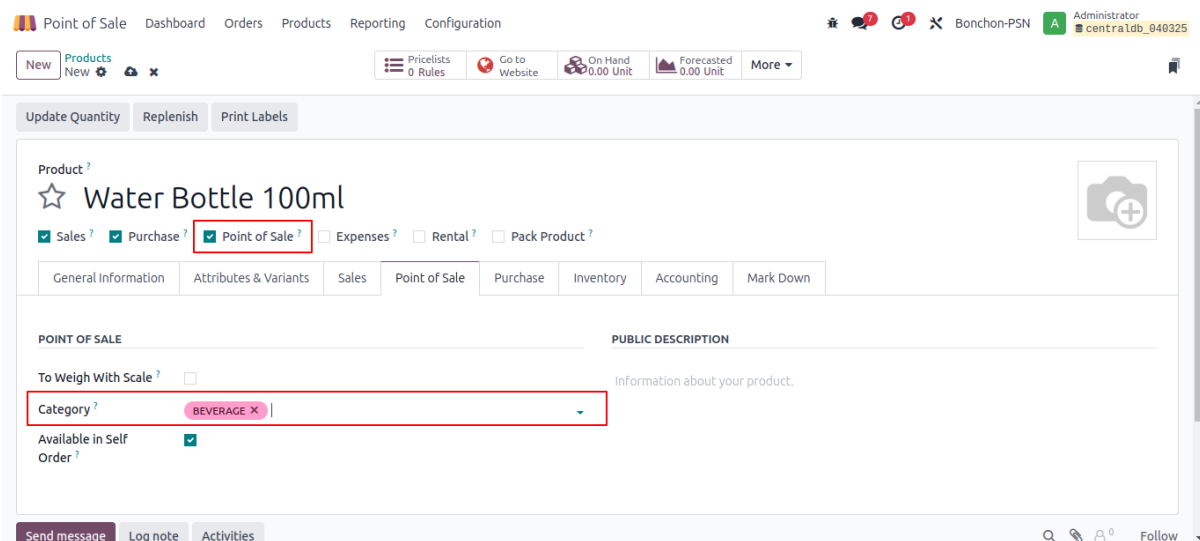
- **Enter Product Name**
  Start by typing the name of your product.

- **Set Product Type**

  - Select **Product Type** as **Storable Product**.

  - Check the option **Track Inventory by Quantity**.

  - Enable the **Available in POS** option (you'll find it just below the product name field).
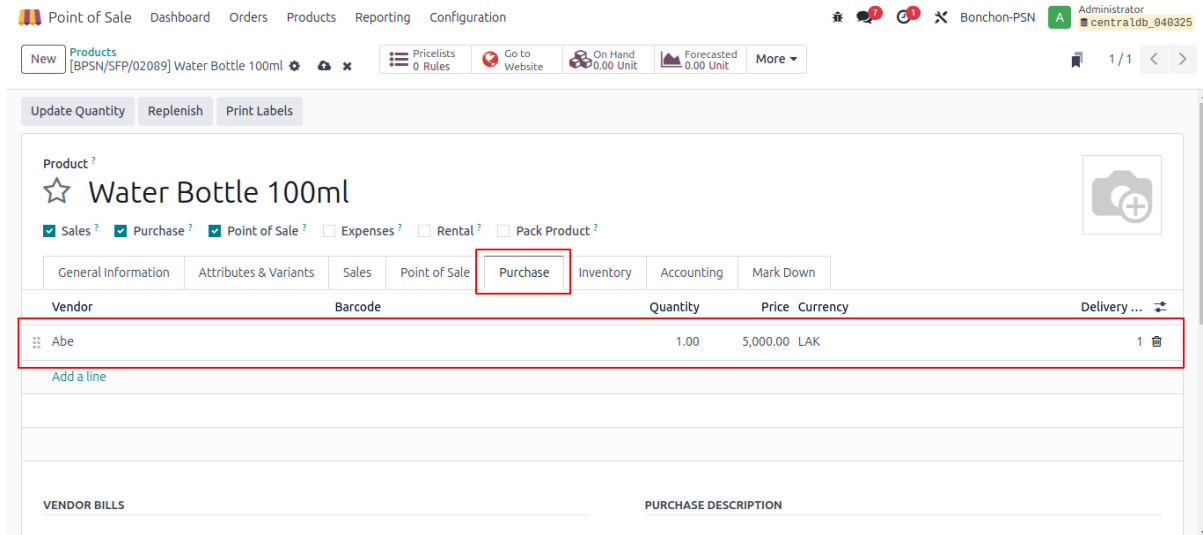

- **Assign a POS Category**

  - Navigate to the **Point of Sale** tab.

  - Choose the appropriate **Category** for your product.

- **Add Vendor Information**

  - Go to the **Purchase** tab.

  - Click **Add Vendor** and enter the vendor's details.

  - Set the **Purchase Price** (the price at which you buy the product from the vendor).

  - Update the **Quantity** if needed.

- **Set Up Packaging**

  - Open the **Inventory** tab.

  - Scroll down to the **Packaging** section.

  - Click **Add** and enter the following details:

    - **Packaging Name**

    - **Package Type**

    - **Contained Quantity**

    - **Package UOM (Unit of Measure)**

    - **Barcode**

- **Save the Product**

  - Once all the details are filled in, click **Save**.

Point of Sale   Dashboard   Orders   Products   Reporting   Configuration   Bonchon-PSN   A

New   Product Variants
[BPSN/SFP/02089] Water Bottle 100ml ⚙   Pricelists 0 Rules   Go to Website   Documents 0   On Hand 0.00 Unit   More ▾   1 / 1 ‹ ›

Product

☆ Water Bottle 100ml

☑ Sales   ☑ Purchase   ☑ Point of Sale ?   ☐ Expenses ?   ☐ Rental ?   ☐ Pack Product
☐ Is Topping

General Information | Sales | Point of Sale | Purchase | **Inventory** | Toppings | Accounting | Mark Down

OPERATIONS

Routes ?
☑ Buy
☐ Inter Company Transti
☐ Manufacture
☐ DC Tongpong: Cross-Dock
☐ Dropship
☐ My Company: Cross-Dock
☐ GPWH: Cross-Dock
➔ View Diagram

LOGISTICS

Weight	0.00	kg
Volume	0.00	m³
Customer Lead Time ?	0	days
HS Code ?		
Origin of Goods ?		

➔ View Diagram

Purchase Request ?   ☐

COUNTERPART LOCATIONS

Production Location ?   Virtual Locations/Production

Inventory Location ?   Virtual Locations/Inventory adjustment

PACKAGING

Packaging	Package Type	Contained ...	Package UoM	Sales	Purchase	Barcode	
Water Bottle 100ml 1 x 6	Pack	6.00	Pack	☑	☑	756452	🗑
Water Bottle 100ml 1 x 16	Box	16.00	Box	☑	☑	887351	🗑

Add a line

- Once you **save the product**, a **Packaging Product** is automatically created.
  - The **Pack Product's information** (like name, Pack Product or Not, and Barcode details) will be **automatically filled in** based on the packaging setup.
  - Additionally, a **Bill of Materials (BoM)** is also created for the new pack product.

Point of Sale   Dashboard   Orders   Products   Reporting   Configuration   Bonchon-PSN   A

New   Products   [BPSN/SFP/02099] Water Bottle 10...   Pricelists 0 Rules | Go to Website | On Hand 0.00 Unit | Bill of Materials 1 | More ▾   2 / 3   ⟨ ⟩

Product

★ **Water Bottle 100ml 1 x 16**

☑ Sales   ☑ Purchase   ☑ Point of Sale ?   ☐ Expenses ?   ☐ Rental ?   ☑ Pack Product

| General Information | Attributes & Variants | Sales | Point of Sale | Purchase | Inventory | Accounting | Mark Down |

Product Type ?   ● Goods   ○ Service   ○ Combo

Invoicing Policy ?   Delivered quantities

Track Inventory ?   ☑ By Quantity

Invoice after delivery, based on quantities delivered, not ordered.

Product Owner

Sales Price ?   1.00 ₭   per Unit

Sales Taxes ?   15% ✕   (= 1.15 ₭ Incl. Taxes)

Cost ?   0.00 ₭   per Unit   Compute Price from BoM

Purchase Taxes ?   15% ✕

Category   FOOD

Item Code   BPSN/SFP/02099

Barcode   887351   → Update Barcode

Additional Barcodes   Barcode

Point of Sale   Dashboard   Orders   Products   Reporting   Configuration   Bonchon-PSN   A

New   ⋯ [BPSN/SFP/02100] Water Bott... / Bill of M...   ☰ BoM Overview   1/1   ⟨ ⟩

[BPSN/SFP/02100] Water Bottle 100ml 1 x 6 ⚙

Product   [BPSN/SFP/02100] Water Bottle 100ml 1 x 6

Product Variant ?   Water Bottle 100ml 1 x 6

Quantity ?   1.00   Unit

Reference

BoM Type   ○ Manufacture this product
            ● Kit

A BoM of type Kit is not produced with a manufacturing order. Instead, it is used to decompose a BoM into its components when:
• it is added as a component in a manufacturing order
• it is moved via a transfer, such as a receipt or a delivery order for instance.

Company   Bonchon-PSN

| Components | Miscellaneous |

Barcode	Component		Quantity	Pack	Packaging	Product Unit of Measure	
⠿	[BPSN/SFP/02089] Water Bottle 100ml	⧉	0	6.00 ☑	Water Bottle 100ml 1 x 6	Unit	🗑

Add a line   Catalog

Point of Sale   Dashboard   Orders   Products   Reporting   Configuration   Bonchon-PSN   A

New   ⋯ [BPSN/SFP/02099] Water Bott... / Bill of M...   ☰ BoM Overview   1/1   ⟨ ⟩

[BPSN/SFP/02099] Water Bottle 100ml 1 x 16 ⚙

Product   [BPSN/SFP/02099] Water Bottle 100ml 1 x 16

Product Variant ?   Water Bottle 100ml 1 x 16

Quantity ?   1.00   Unit

Reference

BoM Type   ○ Manufacture this product
            ● Kit

A BoM of type Kit is not produced with a manufacturing order. Instead, it is used to decompose a BoM into its components when:
• it is added as a component in a manufacturing order
• it is moved via a transfer, such as a receipt or a delivery order for instance.

Company   Bonchon-PSN

| Components | Miscellaneous |

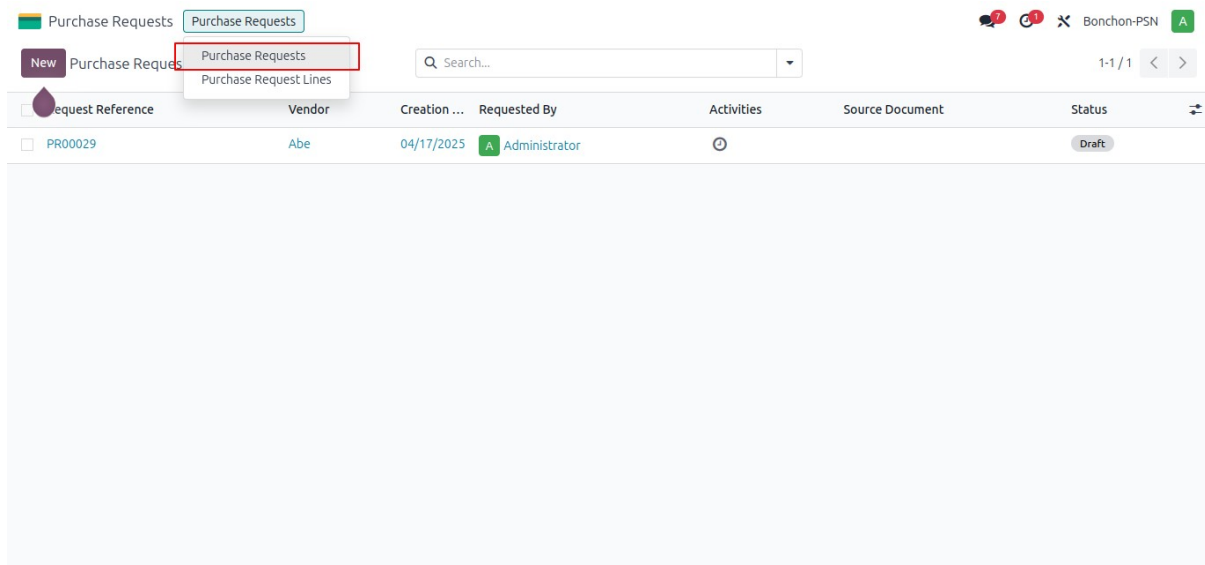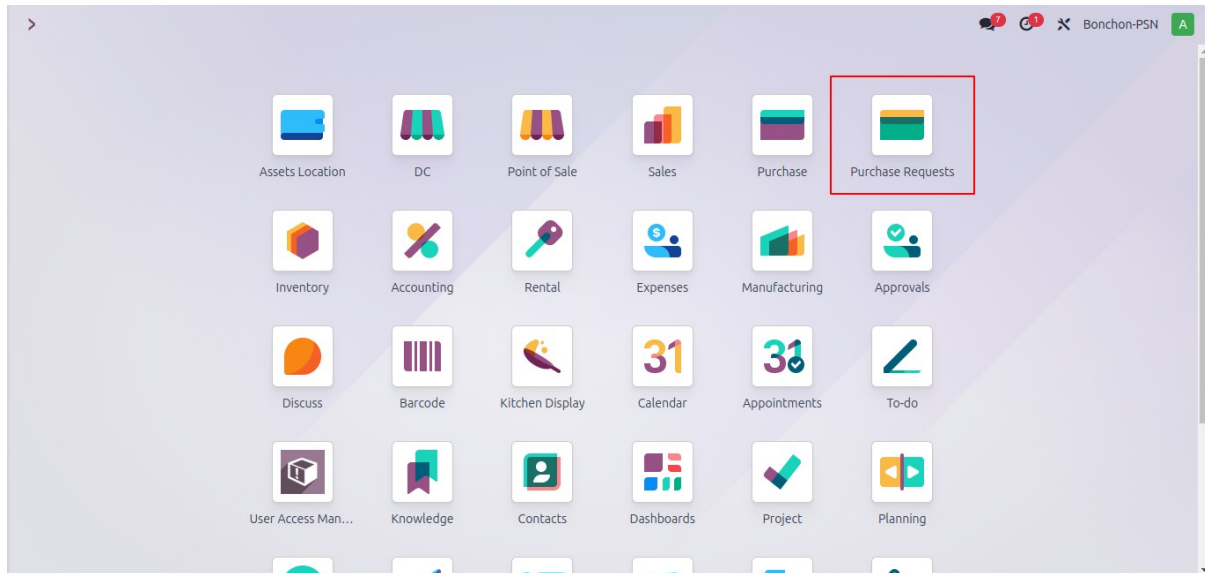| Barcode	Component		Quantity	Pack	Packaging	Product Unit of Measure	
⠿	[BPSN/SFP/02089] Water Bottle 100ml	⧉	0	16.00 ☑	Water Bottle 100ml 1 x 16	Unit	🗑

Add a line   Catalog

How to Create a Purchase Request and Process a Purchase Order

1. **Open the Purchase Request App**
   Navigate to the **Purchase Request** app as shown in the provided screenshots.

2. **Create a New Purchase Request**

   - Click on **Create** to start a new request.

   - Select the **Vendor** configured for the small product (e.g., **Water Bottle 100ml**).

   - In the **Purchase Request Lines**, add the product as shown in the snapshots.

Purchase Requests   Purchase Requests   Bonchon-PSN   A

New   Purchase Requests ⚙   🔍 Search...   ▼   1-1 / 1 ‹ ›

	Request Reference	Vendor	Creation ...	Requested By	Activities	Source Document	Status	
☐	PR00029	Abe	04/17/2025	A Administrator	🕐		Draft	

Purchase Requests   Purchase Requests   Bonchon-PSN   A

New   Purchase Requests
      PR00030 ⚙ ☁ ✖   1 / 1 ‹ ›

Request approval   Draft To be approved Approved Rejected Done

Request Reference
PR00030

VENDOR   **REQUEST BY AND APPROVE BY**

Vendor   Abe   Requested By   Administrator
Vendor Bank   Approver
Source Document   Creation date ? 04/21/2025
Description   Ship to   Bonchon-PSN: Receipts
                                              Company   Bonchon-PSN
Currency   LAK

Procurement Group

Products

Barcode	Product	Packaging	Packaging ...	Package ...	Exclu...	Quantity	UoM	PO Cost	Total Amount	Analytic D...

Purchase Requests   Purchase Requests   Bonchon-PSN   A

New   Purchase Requests
      PR00030 ⚙ ☁ ✖   1 / 1 ‹ ›

Vendor Bank   Approver
Source Document   Creation date ? 04/21/2025
Description   Ship to   Bonchon-PSN: Receipts
                                              Company   Bonchon-PSN
Currency   LAK

Procurement Group

Products

Barcode	Product	Packaging	Packaging ...	Package ...	Exclu...	Quantity	UoM	PO Cost	Total Amount	Analytic D...
	Water Bottle 100ml				☐	0.00		0.00 ₭	0.00 ₭	04/2

Add a produc   [BPSN/SFP/02089] Water Bottle 100ml
                Create "Water Bottle 100ml"
                Search More...
                Create and edit...

                                              Currency: LAK

3. **Select Product Packaging**

- Choose the **packaging option** you want to purchase from the vendor.

- Enter the **packaging quantity**.

- The system will **automatically calculate the total product quantity** based on the selected packaging. This quantity is rounded, not shown as a decimal.

4. Adjust Product Quantity

- For example, if you set the packaging quantity to **3**, the product quantity may automatically update to **48**, depending on how the packaging is defined.

- This rounding is done based on the packaging setup.

5. Exclude Extra Quantity (Optional)

- Enable the **Exclude in Package** option if you want to allow users to exclude the extra quantity that results from rounding.

- This lets you assign a custom or random quantity of the product.

6. **Create the Purchase Order**

- Click on **Create PO** to generate a Purchase Order based on the purchase request.

- The Purchase Order will reflect the exact quantity set in the request.

7. Confirm the Purchase Order

- Once the Purchase Order is created, click **Confirm**.
- A **Receipt** will be generated for the confirmed quantity.

8. Validate the Receipt

- Click **Validate** on the receipt to complete the picking process.

- The **on-hand quantity** of the product will now be updated to match the quantity received through the Purchase Order.

Purchase Requests   Purchase Requests

New   ⋯ / PR00030 / P00092
BPSN/IN/00067 ⚙

Moves

1/1

Validate   Print   Return   Cancel

Draft   Ready   Done

☆ BPSN/IN/00067

Receive From   Abe
Operation Type   Bonchon-PSN: Receipts
Bill Reference
Destination Location BPSN/Stock

Scheduled Date?   04/21/2025 00:00:00
Source Document?   P00092
Assign Owner?

| Operations | Additional Info | Note |

Barcode	Product	Packaging	Demand	Quantity	Unit	
	[BPSN/SFP/02089] Water Bottle 100ml	Water Bottle 100ml 1 x 16	55.00	55.00	Unit	🗑

Add a line

Sales   Orders   To Invoice   Products   Reporting   Configuration   Bonchon-PSN

New   Products ⚙

🔍 Sales ✕ Product Water Bottle 100ml ✕ Search...

1-3 / 3
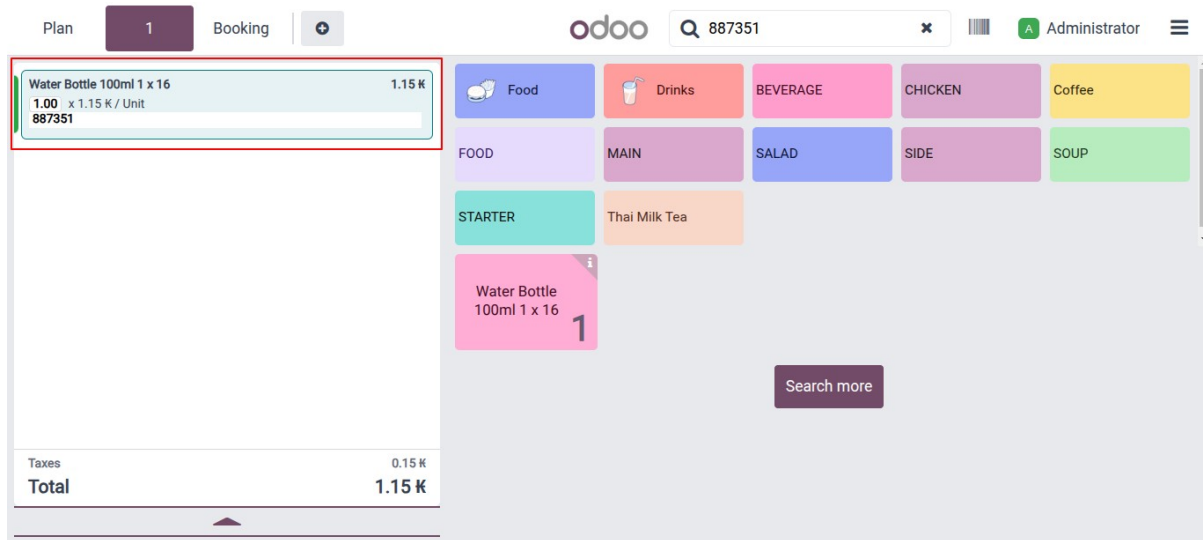
☆ Water Bottle 100ml
[BPSN/SFP/02089]
Price: 1.00 ₭
On hand: 55.00 Unit

☆ Water Bottle 100ml 1 x 16
[BPSN/SFP/02099]
Price: 1.00 ₭
On hand: 3.00 Unit

☆ Water Bottle 100ml 1 x 6
[BPSN/SFP/02100]
Price: 1.00 ₭
On hand: 9.00 Unit

Selling Pack Products via POS

1. **Navigate to the POS App.**

2. **Scan the Barcode** of the Pack Product at the Point of Sale.

3. The system will **automatically add the Pack Product** to the cart as a single item, rather than listing each individual product separately.

   - *Example:* Scanning one pack product adds 1 item to the cart, not 6 individual items.
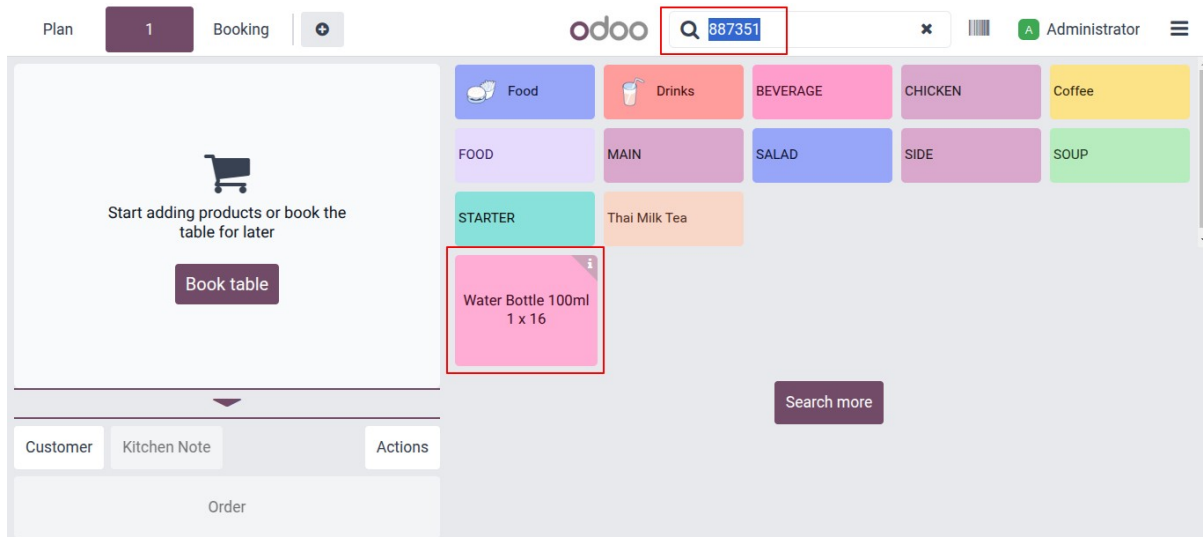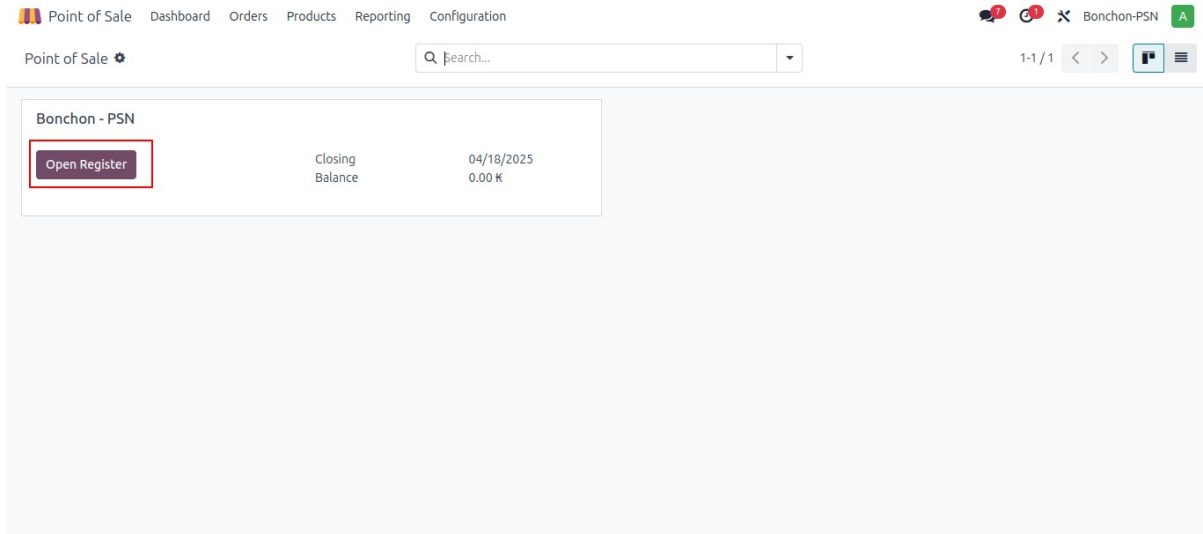
Inventory Adjustment for Pack Products

1. Go to the **Barcode App**.

2. Navigate to the **Inventory Count** section.

3. Click the **Settings icon** located at the top-right corner.

4. In the search bar, **enter the Pack Product's barcode** and click the **Apply** button.

5. The system will display the **individual components (Small Products)** of the Pack Product in the count lines, with quantities as defined in the pack configuration.
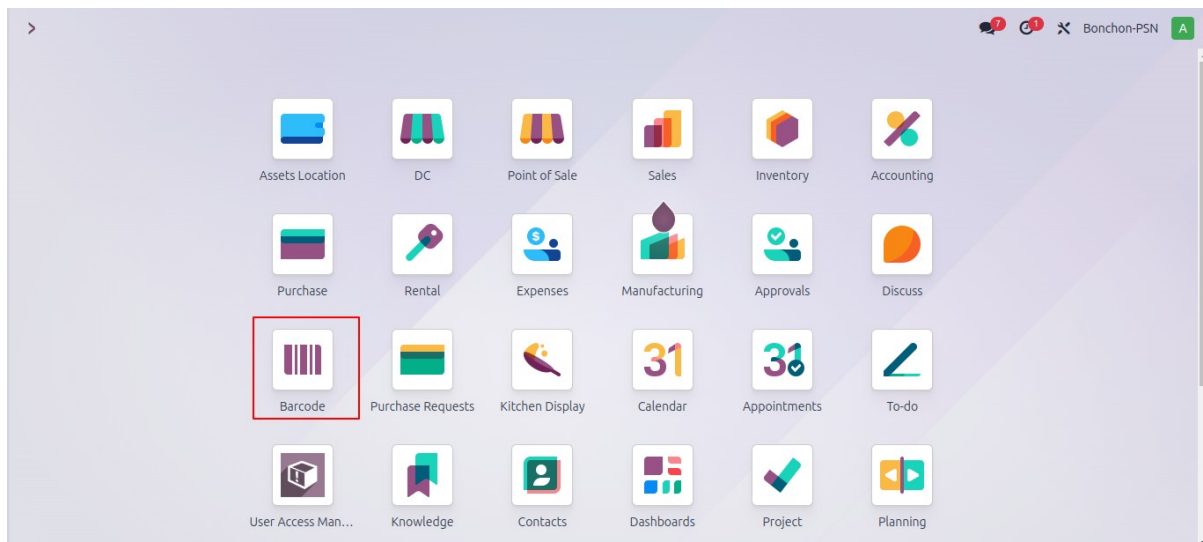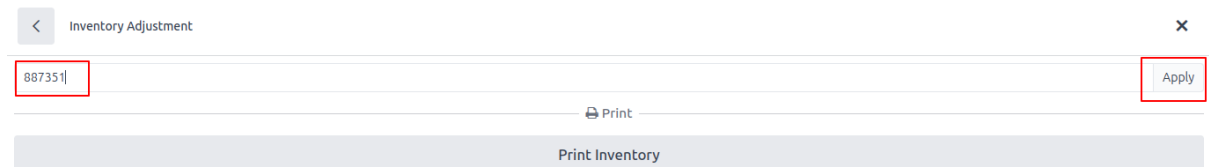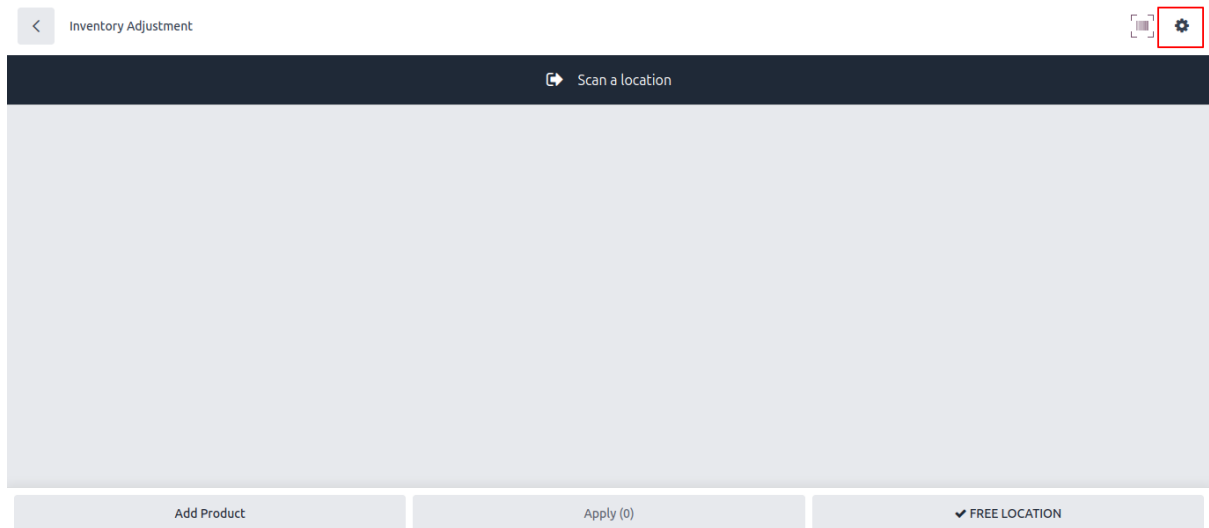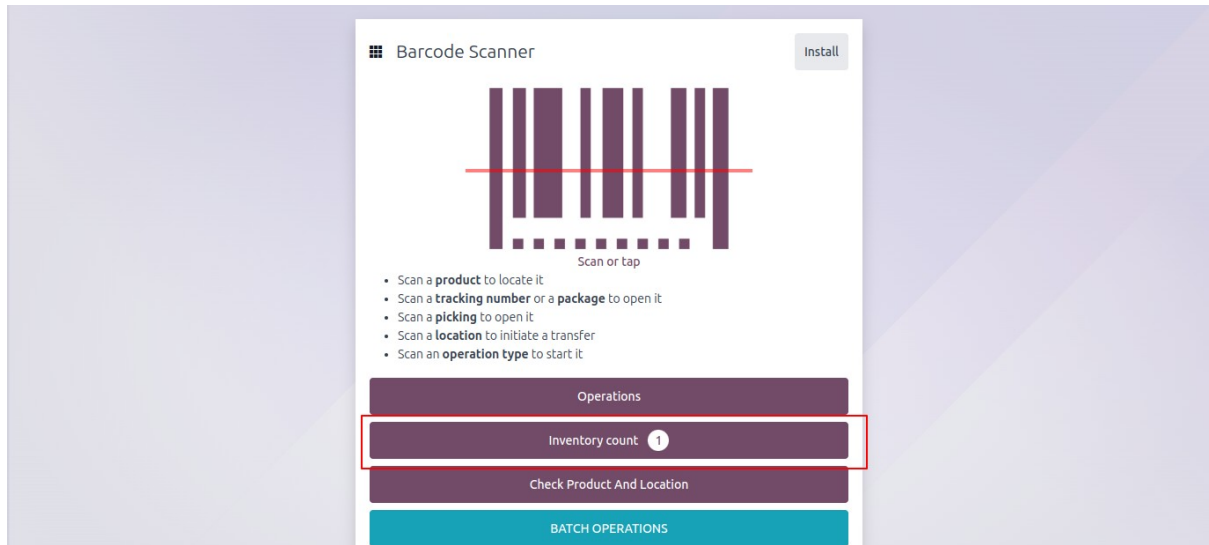
Barcode Scanner   Install

Scan or tap

- Scan a **product** to locate it
- Scan a **tracking number** or a **package** to open it
- Scan a **picking** to open it
- Scan a **location** to initiate a transfer
- Scan an **operation type** to start it

Operations

Inventory count 1

Check Product And Location

BATCH OPERATIONS

< Inventory Adjustment   ⚙

→ Scan a location

Add Product   Apply (0)   ✔ FREE LOCATION

< Inventory Adjustment   ✕

887351   Apply

🖨 Print

Print Inventory

Inventory Adjustment

Scan more products in BPSN/Stock or scan another location

BPSN/Stock

BPSN/SFP/02089
Water Bottle 100ml
16 Unit

?   -1   +1

Add Product   Apply (1)   ✔ FREE LOCATION

Inventory Adjustment   ✕

887351   Apply

🖶 Print

Print Inventory

Inventory Adjustment

Scan more products in BPSN/Stock or scan another location

BPSN/Stock

BPSN/SFP/02089
Water Bottle 100ml
32 Unit

?   -1   +1

Add Product   Apply (1)   ✔ FREE LOCATION