Dimension

Module Guide: Dimension

Module Location

Settings > Inventory > Dimension

Module Purpose

The **Dimension** module functions to combine several separate attributes—namely **Color**, **Size**, and **Configuration**—into a single, unique variant entity. The purpose is to create and manage specific combinations that will be attached to a product. Each "Dimension" created here will represent one unique variant of an item (SKU - Stock Keeping Unit).

1. Main View (Dimension List)

The main page displays all dimension combinations (variants) that have been created and registered in the system.

View Explanation

- **Search Filter**:
  - **Dimension Name**: Allows for a quick search based on the dimension name.
  - **Search**: A button to start the search process.
  - **Show all**: Resets the filter and displays the entire list again.

- **List Table**:
  - **Checkbox**: A checkbox to select one or more dimensions to be deleted.
  - **No.**: The entry's serial number.
  - **Dimension Name**: The unique name of the dimension combination that has been created (e.g., `VIOLET-1.5 M-DEFAULT`).
- **Action Buttons**:
  - **Add Dimension**: Opens the form to create a new dimension combination.
  - **Delete**: Deletes the selected dimension data.

2. New Dimension Page

This form is the core of variant creation, where you combine existing attributes.

View Explanation

- **All Fields Required**: A note indicating that the **Dimension Name** field is mandatory.
- **Dimension Name**: A field to enter a unique name that will represent this dimension combination.
- **Color**: A dropdown selection with data taken from the **Color Module**.

- **Size**: A dropdown selection with data taken from the **Size Module**.
- **Configuration Name**: A dropdown selection with data taken from the **Configuration Module**.
- **Buttons**:
  - **Save**: To save the new dimension combination.
  - **Cancel**: To cancel the process and return to the list page.

3. Steps to Add a New Dimension

1. From the main **Dimension List** page, click the **Add Dimension** button.
2. On the **New Dimension** page, fill in the **Dimension Name**. It is advisable to use a standard format, for example, `[Color]-[Size]-[Configuration]`.
3. Select the **Color**, **Size**, and **Configuration Name** from their respective dropdowns.
4. Ensure that the selected combination has not been created before.
5. Click the **Save** button.

4. Integrated Workflow & Business Process

- **Foundation of Variant Item Master**: This module is the main prerequisite before creating items with variants. When creating a **Master Item**, the user will select one of the "Dimensions" available here to create a specific SKU.

- **Accurate Stock Tracking**: With dimensions, the system can track stock quantities for a "Plain Shirt-Red-L" separately from a "Plain Shirt-Blue-M." This is the core of variant-based inventory management.

- **Sales & Purchasing Transactions**: Allows sales and purchasing teams to create orders with great specificity, reducing the risk of errors in shipping or receiving goods.

- **Product Performance Analysis**: Management can perform in-depth analysis to see which variants (dimensions) are best-sellers, which are slow-moving, and which provide the highest profit margins.

5. Tips & Important Notes

- **Naming Consistency**: It is highly recommended that the **Dimension Name** has a standard format and is created systematically (e.g., `COLOR NAME-SIZE NAME`) to facilitate searching and reporting. If possible, this field should be auto-filled by the system based on the dropdown selections to avoid typing errors.

- **Avoid Duplication**: Before clicking "Save," always ensure that the combination of Color, Size, and Configuration you have chosen has not been created before to maintain the cleanliness and accuracy of the master data.

- This module is the "heart" of product variant management. Data management in this module must be done carefully as it will directly impact the entire company's operational processes.

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