# DinImportHelper Class

## Overview

The `DinImportHelper` class provides utility methods to work with item data in Dynamics 365 for Finance and Operations (D365 F&O). This class helps to retrieve item-related details such as product size names, validate barcodes, and get item barcodes based on specific dimensions like color and size.

## Features

- \*\*Get size name by item size ID\*\*: Retrieves the translated size name of a product.

- \*\*Validate barcodes\*\*: Checks if a given barcode is valid.

- \*\*Retrieve barcodes by item color and size\*\*: Fetches item barcodes based on color and size dimensions.

## Methods

### 1. `getSizeName(EcoResItemSizeName \_inventSizeId)`

This method fetches the translated name for a product size based on its size ID.

- \*\*Parameters\*\*:

- `\_inventSizeId`: The size ID (`EcoResItemSizeName`) for which the size name needs to be fetched.

- \*\*Returns\*\*:

- `EcoResSizeName`: The translated size name.

- \*\*Example\*\*:

```csharp

### EcoResSizeName sizeName = DinImportHelper.getSizeName(sizeId); 2. IsValidBarcode(ItemBarCode \_sBarcode)

This method checks if a barcode is valid or not.

* **Parameters**:
  + \_sBarcode: The barcode (ItemBarCode) to be validated.
* **Returns**:
  + NoYes::Yes if the barcode is valid.
  + NoYes::No if the barcode is invalid.

### NoYes isValid = DinImportHelper.IsValidBarcode(barcode); 3. getItemBarCodeByColorSize(ItemId \_itemId, EcoResItemColorName \_colorId, EcoResItemSizeName \_sizeId)

This method retrieves a barcode based on the provided item ID, color ID, and size ID.

* **Parameters**:
  + \_itemId: The ID of the item (ItemId).
  + \_colorId: The color ID of the item (EcoResItemColorName).
  + \_sizeId: The size ID of the item (EcoResItemSizeName).
* **Returns**:
  + ItemBarCode: The barcode for the item with the specified color and size.
* **Example**:

csharp

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ItemBarCode barcode = DinImportHelper.getItemBarCodeByColorSize(itemId, colorId, sizeId);

## Usage

1. **Add the DinImportHelper class** to your Dynamics 365 project.
2. Call the relevant static method depending on the task:
   * Use getSizeName() to get a product’s size name.
   * Use IsValidBarcode() to validate a barcode.
   * Use getItemBarCodeByColorSize() to retrieve a barcode based on the item’s color and size.
3. Ensure that proper validation and error handling is in place to manage any invalid data.

Example Code:  
EcoResItemSizeName sizeId = "Medium";

EcoResSizeName sizeName = DinImportHelper.getSizeName(sizeId);

ItemBarCode barcode = "ABC123";

NoYes isValid = DinImportHelper.IsValidBarcode(barcode);

ItemId itemId = "Item001";

EcoResItemColorName colorId = "Red";

EcoResItemSizeName sizeId = "Large";

## ItemBarCode itemBarcode = DinImportHelper.getItemBarCodeByColorSize(itemId, colorId, sizeId); Requirements

* Dynamics 365 for Finance and Operations
* X++ development environment

## License

This code is intended for internal use within the Dynamics 365 F&O environment. Adapt as necessary based on your organizational needs.

This README file provides a clear understanding of the class, its methods, and examples of how to use it in a D365 F&O project. You can customize the license section or any other parts depending on your project's specific needs.