



Item Finder

Quick Guide

LS Retail NAV 6.1

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1 Introduction

1.1 The Purpose of This Document

The purpose of this document is to give a quick overview of the Item Finder function. It is intended for technical users to setup and configure the function and for consultants to learn how to use it.

1.2 Functional Overview

The Item Finder provides a way to build and maintain item based queries which then can be used to find a given item. By defining a set of restrictions that step by step limits the number of items matching a query it will be easier for the user to find the correct item.

In the Item Finder setup form the user defines a set of restrictions that will limit the items for final selection. Each question can either target fields from the item table or be targeted at variants, special groups or item attributes.

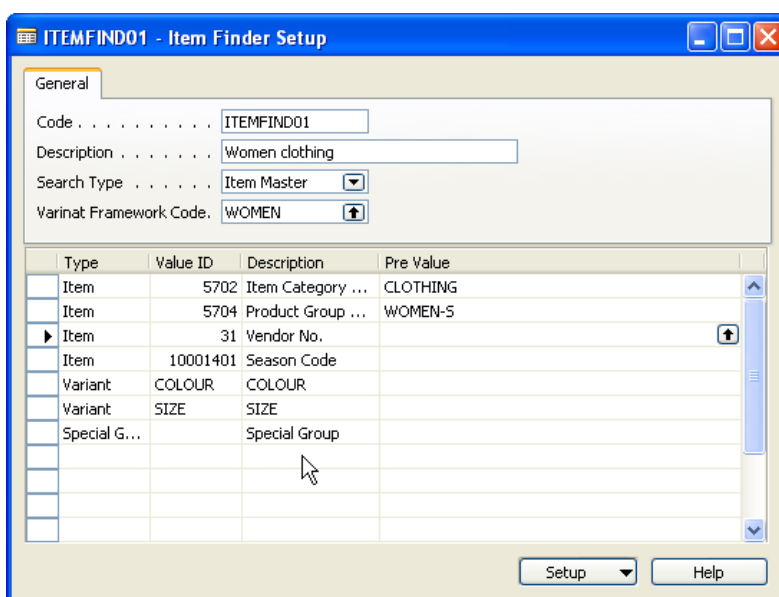
The Item Finder can be implemented to every process where finding an item is needed, for example at the POS.

This module takes advantage of the Table Lookup function. See the Table Lookup Quick Guide for more information.

2 Setup

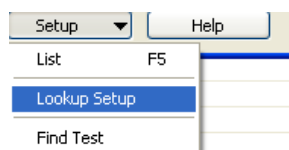
Click on **BackOffice, Setup, Item, Item Finder** to open to the Item Finder Setup form. In this form queries are created. For each query, restrictions are set to make it possible for the user to narrow the query result to a few or a single item. Restrictions can be of the types Item, Variant, Special Group and Attribute. If a restriction is set on a field in the Item table the result set is narrowed to the selected content. Variants are based on a given variant framework and its dimensions and values. Special groups narrow the result to a selected special group and attributes to an attribute option value.

In the following query example, a list of restrictions is made to assist the user in finding a woman's dress¹. The setup is based on a given variant framework (WOMEN) and preset value of item category (CLOTHING) and Product Group (WOMEN-S). Other fields are open for user input when the query is run.



Type	Value ID	Description	Pre Value
Item	5702	Item Category ...	CLOTHING
Item	5704	Product Group ...	WOMEN-S
Item	31	Vendor No.	
Item	10001401	Season Code	
Variant	COLOUR	COLOUR	
Variant	SIZE	SIZE	
Special G...		Special Group	

The setup uses data from the Table Lookup function and when a query is run it uses information from it too. The Table Lookup module is used to define the default fields to use when working with a given table. Refer to the *Table Lookup Quick Guide* for further information. To enter the Table Lookup function, press the menu button command Lookup Setup on the setup form:



After defining an Item Finder query it can be tested by running Find Test. (See the menu button command **Find Test**.) In our case we added the restriction COLOUR = RED. The result has been narrowed down to two items.

¹ A similar query for men's clothing is available in the demo company.

No.	Description	Division ...	Item Cat...	Product ...	Base Ur
40020	Skirt Liz Professional Wear	NONFOOD	CLOTHING	WOMEN-S	PCS
40040	Blouse Liz Professional Wear	NONFOOD	CLOTHING	WOMEN-S	PCS

Description	Value
Item Category Code	CLOTHING
Product Group Code	WOMEN-S
Vendor No.	
Season Code	
COLOUR	RED
SIZE	
Special Group	

OK Cancel Help

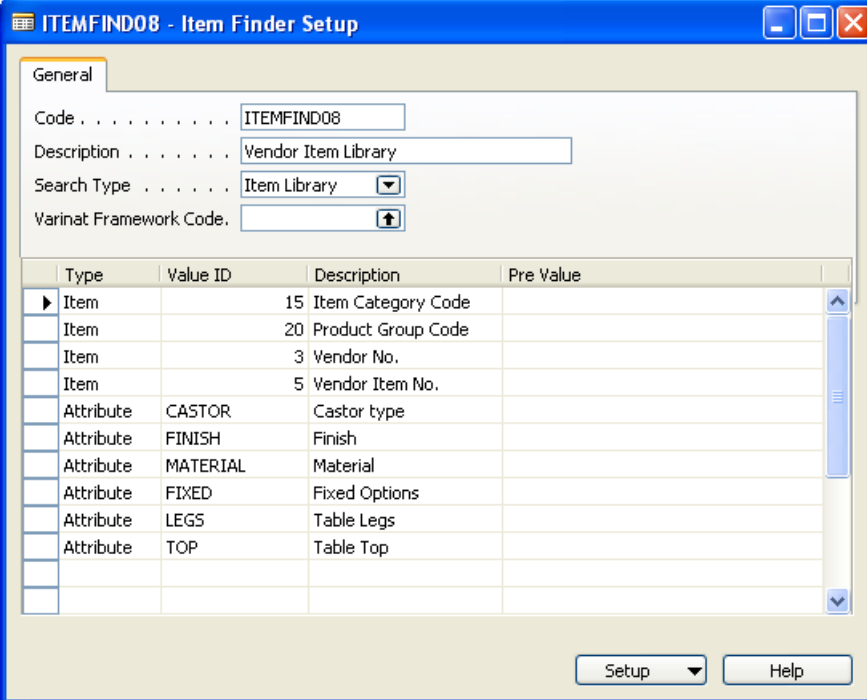
NOTE: When creating a restriction on a field from the Item table, the field must be in an active key for the table. A lookup on the Value ID field in a restriction of the type Item will only display fields from active keys.

3 Use Cases

The Item Finder is used to set up and maintain item selection queries. The purpose is to give the user the ability to structure a list of questions to limit an item selection list. In this chapter, we will give three query examples, Women clothing, Men clothing and Chairs. All queries and demo data are available in our demo company, CRONUS LS 2009 (6.1) W1 Demo.

3.1 Furniture

In this example, a query has been made to find an Item in the Vendor Item Library. We want to make it easy for the user for example to find furniture special order items. The query could look like this:



The screenshot shows the 'ITEMFIND08 - Item Finder Setup' dialog box. It has a 'General' tab with the following fields:

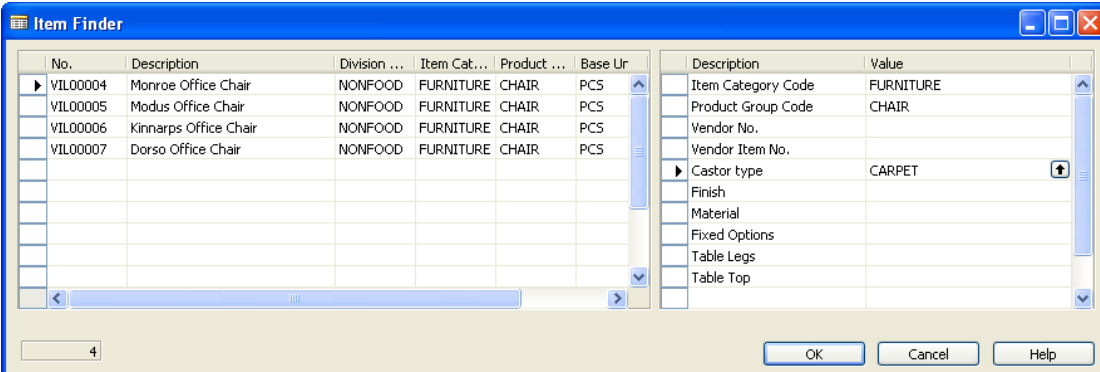
- Code: ITEMFIND08
- Description: Vendor Item Library
- Search Type: Item Library (dropdown)
- Varinat Framework Code: (empty)

Below these fields is a table with the following columns: Type, Value ID, Description, and Pre Value.

Type	Value ID	Description	Pre Value
Item	15	Item Category Code	
Item	20	Product Group Code	
Item	3	Vendor No.	
Item	5	Vendor Item No.	
Attribute	CASTOR	Castor type	
Attribute	FINISH	Finish	
Attribute	MATERIAL	Material	
Attribute	FIXED	Fixed Options	
Attribute	LEGS	Table Legs	
Attribute	TOP	Table Top	

At the bottom right are 'Setup' and 'Help' buttons.

When the query is run (via the **Setup** button – **Find Test**) the Item Finders result window is empty. In the next screenshot the user has added three restrictions Item Category Code = FURNITURE, Product Group Code = CHAIR and Castor type = CARPET. The resulting set is four items.



The screenshot shows the 'Item Finder' result window. It displays a list of items and a summary of the search criteria.

No.	Description	Division ...	Item Cat...	Product ...	Base Ur
VIL00004	Monroe Office Chair	NONFOOD	FURNITURE	CHAIR	PCS
VIL00005	Modus Office Chair	NONFOOD	FURNITURE	CHAIR	PCS
VIL00006	Kinnarps Office Chair	NONFOOD	FURNITURE	CHAIR	PCS
VIL00007	Dorso Office Chair	NONFOOD	FURNITURE	CHAIR	PCS

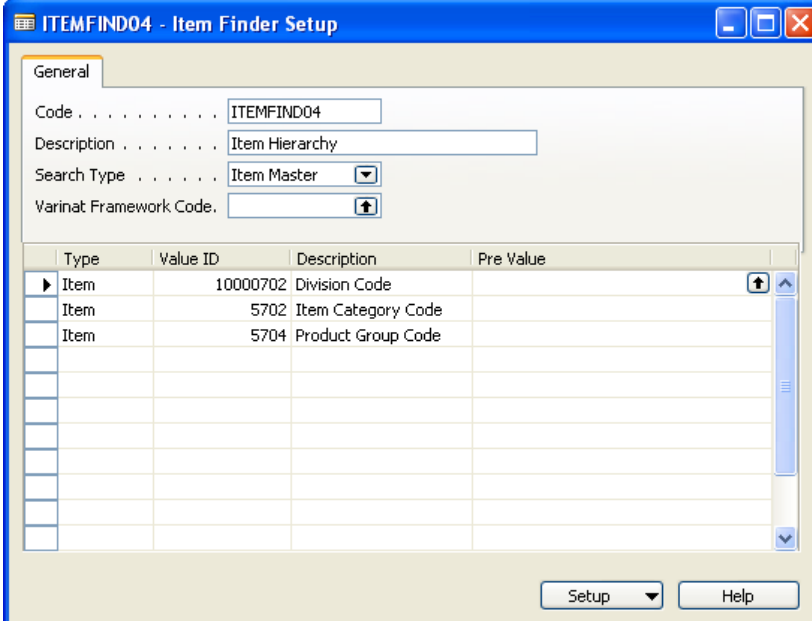
On the right, a summary table shows the search criteria:

Description	Value
Item Category Code	FURNITURE
Product Group Code	CHAIR
Vendor No.	
Vendor Item No.	
Castor type	CARPET
Finish	
Material	
Fixed Options	
Table Legs	
Table Top	

At the bottom are 'OK', 'Cancel', and 'Help' buttons.

3.2 Item Hierarchy

In this example we want to make it easy for the user to find an item by giving hierarchical restrictions. The query could look like this:



The dialog box 'ITEMFIND04 - Item Finder Setup' has a 'General' tab. It contains the following fields:

- Code: ITEMFIND04
- Description: Item Hierarchy
- Search Type: Item Master (dropdown)
- Varinat Framework Code: (empty field with an up arrow icon)

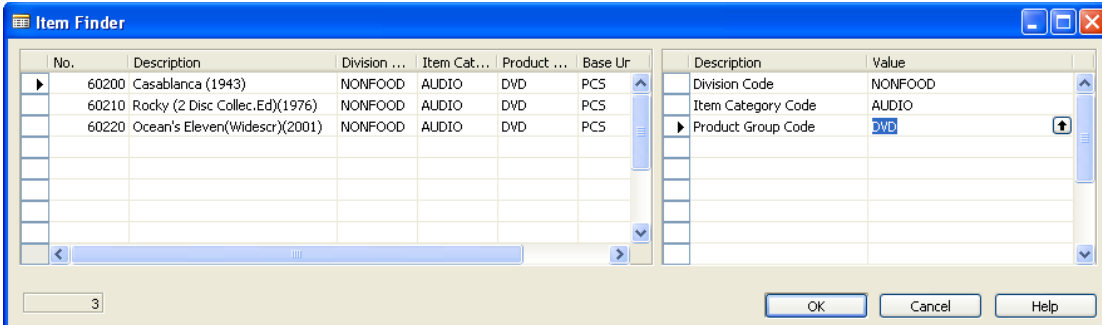
Below these fields is a table with the following columns: Type, Value ID, Description, and Pre Value.

Type	Value ID	Description	Pre Value
Item	10000702	Division Code	
Item	5702	Item Category Code	
Item	5704	Product Group Code	

At the bottom right are 'Setup' and 'Help' buttons.

When this query is run the user gets an empty window. When a restriction is added all items are listed that fit the criteria. In this case it is advisable to start at the top of the hierarchy and restrict the result from top to bottom. After an Item Category has been selected only relevant product groups are selectable from the product group lookup otherwise all product groups are selectable.

The next screenshots shows us two items as a result when all three restrictions have been made:



The 'Item Finder' dialog box shows search results in a table with columns: No., Description, Division ..., Item Cat..., Product ..., and Base Ur.

No.	Description	Division ...	Item Cat...	Product ...	Base Ur
60200	Casablanca (1943)	NONFOOD	AUDIO	DVD	PCS
60210	Rocky (2 Disc Collec.Ed)(1976)	NONFOOD	AUDIO	DVD	PCS
60220	Ocean's Eleven(Widescr)(2001)	NONFOOD	AUDIO	DVD	PCS

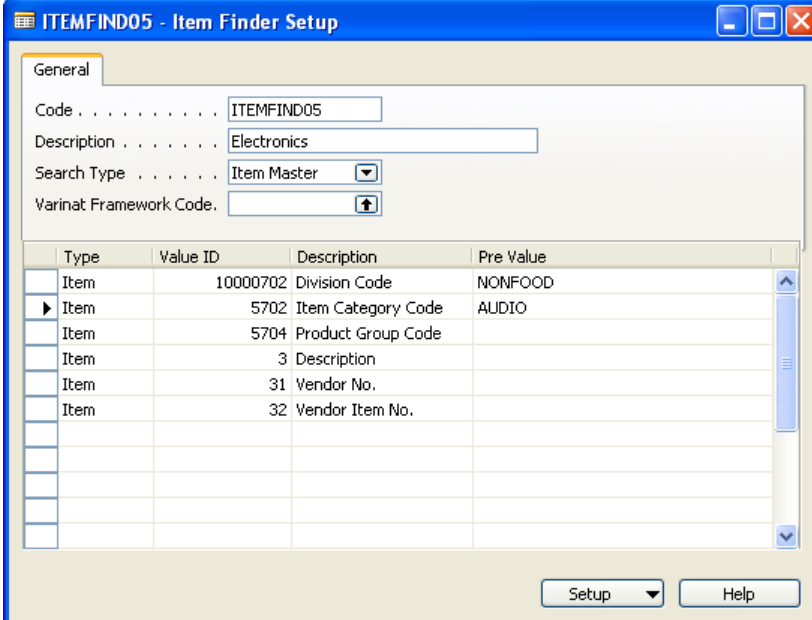
At the bottom left, a status bar shows '3' items. On the right, there is a table for filters:

Description	Value
Division Code	NONFOOD
Item Category Code	AUDIO
Product Group Code	DVD

At the bottom right are 'OK', 'Cancel', and 'Help' buttons.

3.3 Electronics

In our previous example we actually found all electronics after selecting **NONFOOD** and **AUDIO**. For an electronic department it could be of use to have a query that automatically lists all electronics and then give the user the ability to give some extra restrictions. An electronics query could look somehow like this:



The dialog box titled "ITEMFIND05 - Item Finder Setup" has a "General" tab. It contains the following fields:

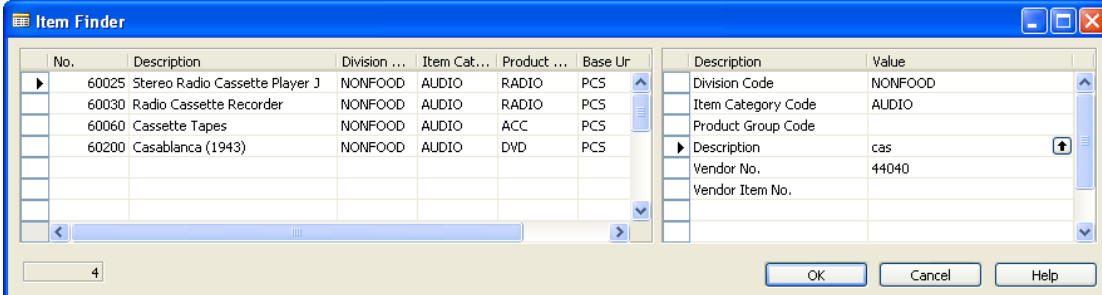
- Code: ITEMFIND05
- Description: Electronics
- Search Type: Item Master (dropdown)
- Varinat Framework Code: (empty)

Below these fields is a table with the following columns: Type, Value ID, Description, and Pre Value.

Type	Value ID	Description	Pre Value
Item	10000702	Division Code	NONFOOD
Item	5702	Item Category Code	AUDIO
Item	5704	Product Group Code	
Item	3	Description	
Item	31	Vendor No.	
Item	32	Vendor Item No.	

At the bottom right are "Setup" and "Help" buttons.

When run, we have all electronics and here we give the user the ability to restrict further on product group, substring in the description field or vendor specific information. Here we are looking for cassette tapes from vendor 44040.



The "Item Finder" dialog box shows a list of items on the left and a detailed view on the right.

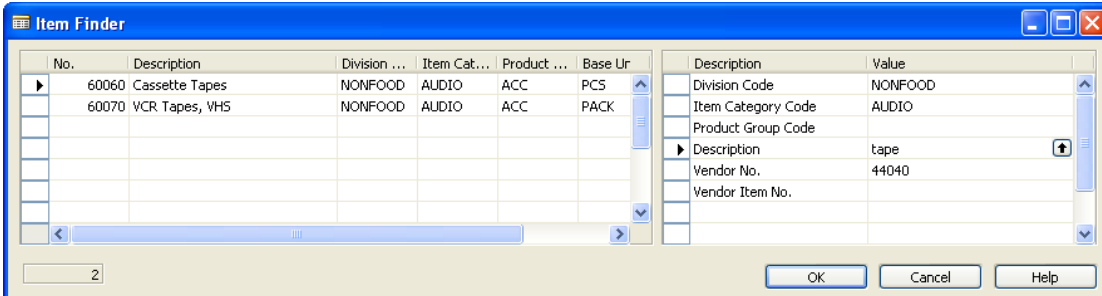
No.	Description	Division ...	Item Cat...	Product ...	Base Ur
60025	Stereo Radio Cassette Player J	NONFOOD	AUDIO	RADIO	PCS
60030	Radio Cassette Recorder	NONFOOD	AUDIO	RADIO	PCS
60060	Cassette Tapes	NONFOOD	AUDIO	ACC	PCS
60200	Casablanca (1943)	NONFOOD	AUDIO	DVD	PCS

The right pane shows the following details for the selected item:

Description	Value
Division Code	NONFOOD
Item Category Code	AUDIO
Product Group Code	
Description	cas
Vendor No.	44040
Vendor Item No.	

Buttons at the bottom: OK, Cancel, Help.

Another possibility could be like this:



The "Item Finder" dialog box shows a list of items on the left and a detailed view on the right.

No.	Description	Division ...	Item Cat...	Product ...	Base Ur
60060	Cassette Tapes	NONFOOD	AUDIO	ACC	PCS
60070	VCR Tapes, VHS	NONFOOD	AUDIO	ACC	PACK

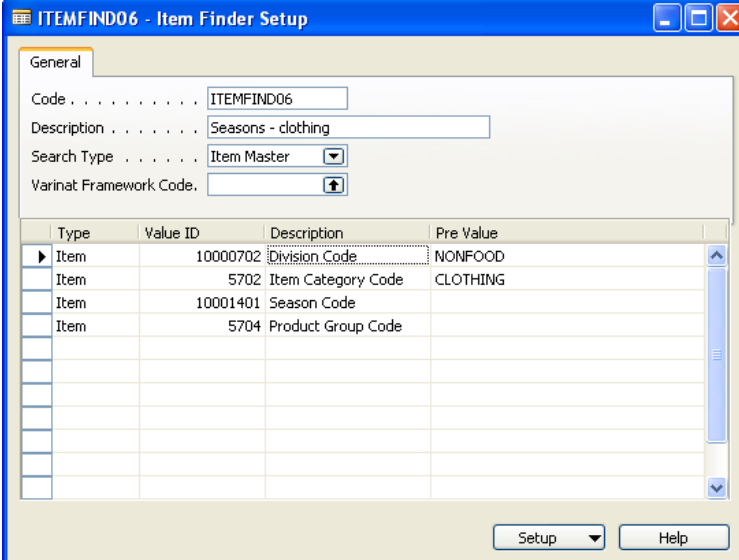
The right pane shows the following details for the selected item:

Description	Value
Division Code	NONFOOD
Item Category Code	AUDIO
Product Group Code	
Description	tape
Vendor No.	44040
Vendor Item No.	

Buttons at the bottom: OK, Cancel, Help.

3.4 Seasons

If you are in the fashion business you might group your items up for seasons and you could then ease the process of finding a certain garment. A query for that process could look like this:



ITEMFIND06 - Item Finder Setup

General

Code ITEMFIND06

Description Seasons - clothing

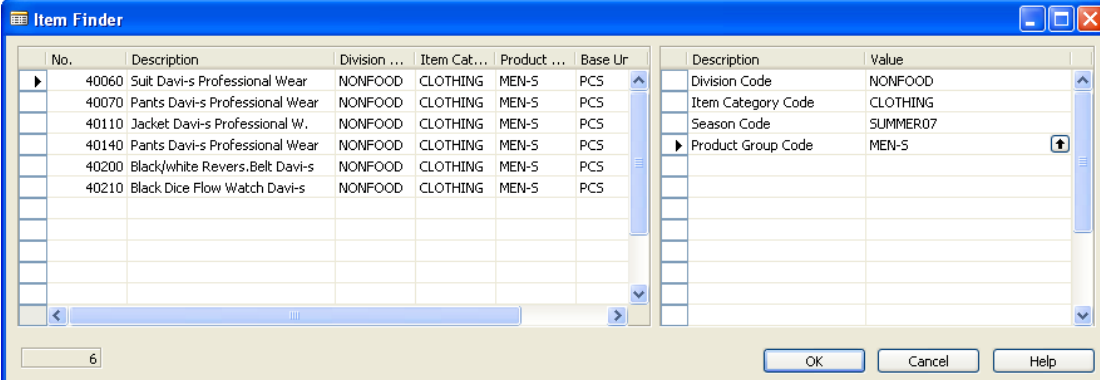
Search Type Item Master

Varinat Framework Code.

Type	Value ID	Description	Pre Value
Item	10000702	Division Code	NONFOOD
Item	5702	Item Category Code	CLOTHING
Item	10001401	Season Code	
Item	5704	Product Group Code	

Setup Help

When you run the query you will already have all clothing in your window. In the next screenshot, it has been further restricted down to a season **SUMMER07** and Men-s clothing:



Item Finder

No.	Description	Division ...	Item Cat...	Product ...	Base Ur
40060	Suit Davi-s Professional Wear	NONFOOD	CLOTHING	MEN-S	PCS
40070	Pants Davi-s Professional Wear	NONFOOD	CLOTHING	MEN-S	PCS
40110	Jacket Davi-s Professional W.	NONFOOD	CLOTHING	MEN-S	PCS
40140	Pants Davi-s Professional Wear	NONFOOD	CLOTHING	MEN-S	PCS
40200	Black/white Revers.Belt Davi-s	NONFOOD	CLOTHING	MEN-S	PCS
40210	Black Dice Flow Watch Davi-s	NONFOOD	CLOTHING	MEN-S	PCS

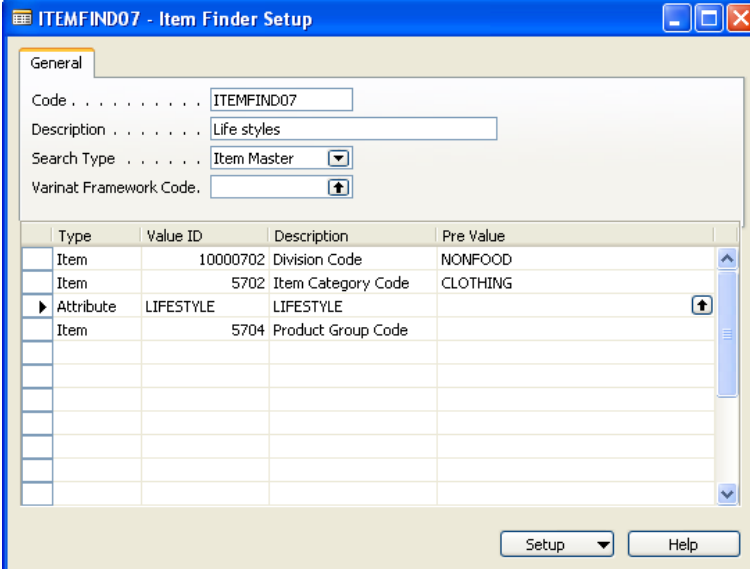
6

Description	Value
Division Code	NONFOOD
Item Category Code	CLOTHING
Season Code	SUMMER07
Product Group Code	MEN-S

OK Cancel Help

3.5 Item Attribute

As an example for attributes we can group our clothing into life-styles. It is, of course, possible to add this attribute to our query in the previous example but is shown here separately for clarification. Let us say you create an attribute called **LIFESTYLE** with the options **Casual**, **Leisure** and **Professional**. Then you put some attributes on your garments and now want to retrieve them with the Item finder. The query could look like this:



ITEMFIND07 - Item Finder Setup

General

Code ITEMFIND07

Description Life styles

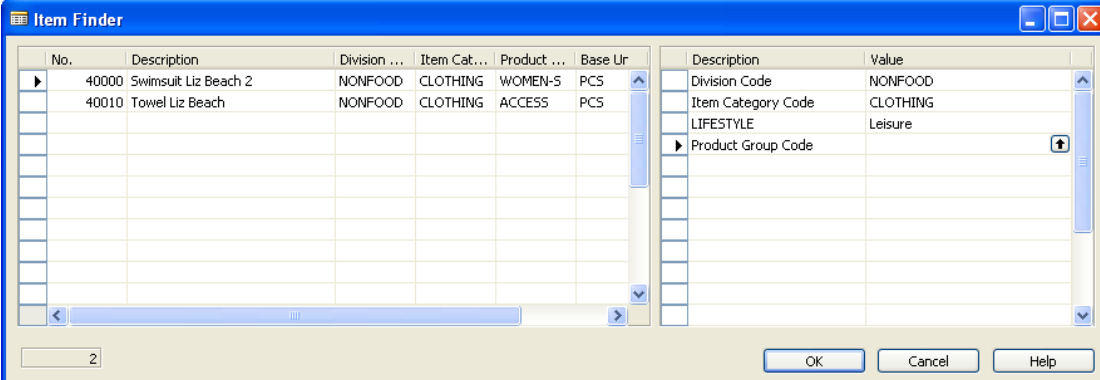
Search Type Item Master

Varinat Framework Code.

Type	Value ID	Description	Pre Value
Item	10000702	Division Code	NONFOOD
Item	5702	Item Category Code	CLOTHING
Attribute	LIFESTYLE	LIFESTYLE	
Item	5704	Product Group Code	

Setup Help

When you run the query you will already have all clothing in your window. In the next screenshot it has been further restricted to the attribute life-style option **Leisure**:



Item Finder

No.	Description	Division ...	Item Cat...	Product ...	Base Ur
40000	Swimsuit Liz Beach 2	NONFOOD	CLOTHING	WOMEN-S	PCS
40010	Towel Liz Beach	NONFOOD	CLOTHING	ACCESS	PCS

Description	Value
Division Code	NONFOOD
Item Category Code	CLOTHING
LIFESTYLE	Leisure
Product Group Code	

2

OK Cancel Help

3.6 How to Use on POS

To add the Item Finder functionality to the POS simply add/modify a menu button on the Sales Menu (or another Menu used in Sales State) with the POS Command **ITEMFINDER**. If no parameter is defined on the button, the POS Item Finder form will start with a list of Item Finder Setups from which the user can select, otherwise the POS Item Finder will open using the given Item Finder Setup of the button.

In this use case we are using the **TOUCHDEMO** menu profile and POS Interface Profile in the Demo Company. We modify one button on the Sales Menu to show the Item Finder using Item Finder Setup **ITEMFIND05**, which is specified for Electronics.

Item no.

New transaction

Description	Quantity	Price	Disc. %	Amount

Total. 0,00
Discount . . . 0,00
Payment. . . . 0,00
Balance 0,00

Lookup	View Cust/ Create New	Price Check
Line Discount %	Line Discount Amount	Change Qty
Void Line	Loyalty Card	Find Item (Electronics)

SALES Receipt 00000P0019000000031 Staff 101

SALES #11 - POS Button Properties

General	Font	Attributes	Picture	Access	Visibility	GDI+
Description Type	Normal					
Description	Find Item (Electronics)					
Command	ITEMFINDER					
Parameter	ITEMFIND05					
Post Command						
Post Parameter						
POS Help ID.						

When the user selects the **Find Item (Electronics)** button, the system shows the POS Item Finder form.

Description	Value
Division Code	NONFOOD
Item Category Code	AUDIO
Product Group Code	
Description	
Vendor No.	
Vendor Item No.	

No.	Description	Vendor No.	Vendor Item No.
60000	VCR, STEREO, PAL	44040	EE4334
60010	DIGITAL CAMERA RECORDER	44040	EE5544
60020	RADIO, PORTABLE	44040	RRF323
60025	STEREO RADIO CASSETTE PLAYER J	44040	REE32321
60030	RADIO CASSETTE RECORDER	44040	RT5565T
60040	CD PLAYER, PORTABLE	44040	UU878
60050	COMPACT STEREO UNIT	44040	KK8776
60060	CASSETTE TAPES	44040	O87U77
60070	VCR TAPES, VHS	44040	U778I77
60080	DUAL EARPHONES	44040	KK8847
60090	BATTERY, 1.5V - SIZE AA	44040	JU7656

Now we want to limit the item list to items from the Product Group **RADIO**. We click on the **Product Group Code** Setup Line in the table on the left and the Data Table on the right will switch its values to the available Product Group codes.

Description	Value	Code	Description
Division Code	NONFOOD	ACC	Accessories
Item Category Code	AUDIO	DVD	DVDs
Product Group Code		RADIO	Radio
Description		VCR	Video Cassette Recorders

We then select the **RADIO** code and the values will switch back to the Item List (with the new RADIO criteria). The new criteria will be shown in the Setup Table on the left.

Description	Value	No.	Description	Vendor No.	Vendor Item No.
Division Code	NONFOOD	60020	RADIO, PORTABLE	44040	RRF323
Item Category Code	AUDIO	60025	STEREO RADIO CASSETTE PLAYER J	44040	REE32321
Product Group Code	RADIO	60030	RADIO CASSETTE RECORDER	44040	RT5565T
Description		60040	CD PLAYER, PORTABLE	44040	UU878
Vendor No.		60050	COMPACT STEREO UNIT	44040	KK8776
Vendor Item No.					

▲	▼	Reset	▲	▼	OK	Cancel
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We can now select an item from the **RADIO** group and press **OK** to add that item to the sale. Multiple items can also be selected from the list.