



# MS Dynamics NAV Intro 1

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# What is MS Dynamics NAV

- If your business is growing and ready to take on more opportunities, Dynamics NAV can help. An easily adaptable enterprise resource planning (ERP) solution, it helps your business automate and connect your sales, purchasing, operations, accounting, and inventory management
- Microsoft Dynamics NAV enables every individual in your company to turn hunches (intuitions, feeling) into genuine insight, and insight into decisions. With access to real-time data and a wide range of analytical and reporting tools—including graphical displays, online analytical processing (OLAP) cubes, and Web-based delivery options—people can make informed, confident decisions that help drive business success.

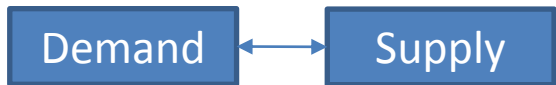


# First approach

- Theory of constraint mantra

Make money now and in the future

So we need appropriate items (services), all kind of resources (assets), good marketing engine (CRM) to find a customer, create reasonable demand (ATP-CTP) having enough knowledge about stock (replenishment algorithms), production capacities and vendors (delivery procedures) and many, many more.



# Navigation (NAV)

- To find the way in the sea of big data and to get important information



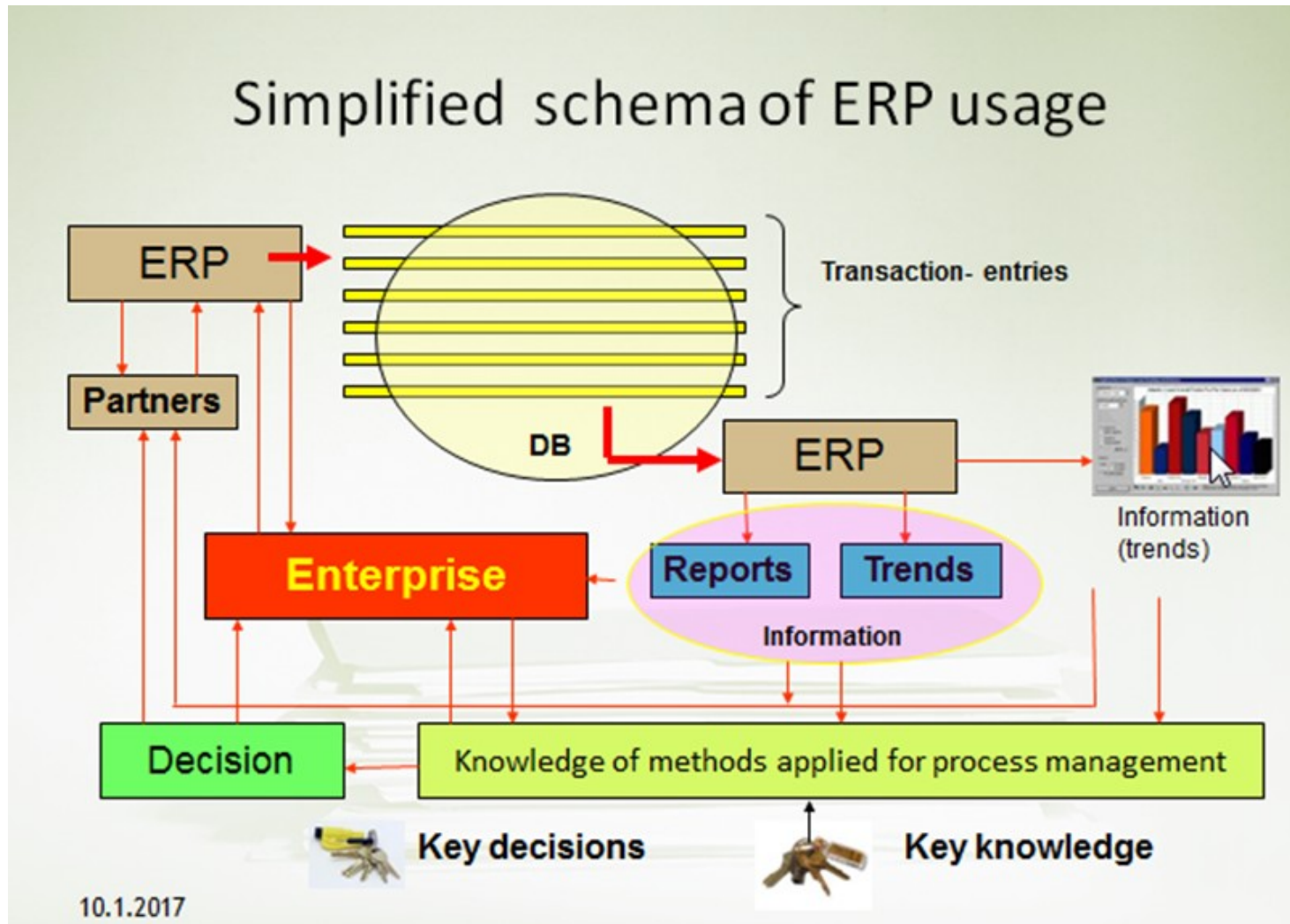
Information = Data + Structure



Ranked according to Sales (LCY)

No.	Name	Sales (LCY)	Balance (LCY)
10000	The Cannon Group PLC	174 802,33	350 162,63
43687129	Designstudio Gmunden	14 498,04	14 498,04
49858585	Hotel Pferdesee	14 450,00	14 450,00
47563218	Klubben	11 772,20	11 772,20
20000	Selangorian Ltd.	6 510,64	96 049,99
30000	John Haddock Insurance Co.	6 396,73	349 932,69
49525252	Beef House	6 000,00	12 346,16
49633663	Autohaus Mielberg KG	4 331,40	8 188,80
32656565	Antarctcopy	2 582,81	2 582,81
35963852	Heimilisprydi	2 024,21	2 024,21
<b>Total</b>		<b>243 368,36</b>	<b>862 007,53</b>
Total Sales		250 016,99	1 090 897,43
% of Total Sales		97,30	79,00

# Feedback to control all processes



# Explanation about symbols in previous slide



Transactions – in MS Dynamic NAV terminology=Entries  
 The entry represents all actions in ERP related for instance to Customer (Item, General Ledger Account,..)

The screenshot displays the 'Customer Ledger Entries' window for 'The Cannon Group PLC'. The window is divided into several sections:

- General:** Name: The Cannon Group PLC; Balance (LCY): 168 364,41; Balance Due (LCY): -292,84; Credit Limit (LCY): 0,00; Total Sales: 17 100,96; Costs (LCY): 11 762,70.
- Address & Contact:** B27 4KT | Mr. Andy Teal
- Invoicing:** VAT Registration No.: 789456278
- Prices and Discounts:** Customer Price Group: [dropdown]
- Customer Picture:** A photo of a man in a dark shirt.
- Sell-to Customer Sales:** A list of sales types with counts: Ongoing Sales Q... (0), Ongoing Sales Bl... (0), Ongoing Sales Or... (4), Ongoing Sales In... (0), Ongoing Sales Re... (0), Ongoing Sales Cr... (0).

The 'Customer Ledger Entries' table is filtered by 'Where Customer No. is 10000' and 'And Posting Date is 100121..310121'. The table contains the following data:

Posting Date	Document Type	Document No.	Customer No.	Message to Recipient	Description	Currency Code	Original Amount	Amount	Remaining Amount	Due Date
20.01.2021	Invoice	103028	10000		Order 6005		4 101,88	4 101,88	4 101,88	20.02.2021
25.01.2021	Invoice	103001	10000		Invoice 103001		8 182,35	8 182,35	8 182,35	25.02.2021
17.01.2021	Payment	2596	10000		Payment 2021		-67 704,67	-67 704,67	0,00	17.01.2021
17.01.2021	Payment	2596	10000		Payment 2021		-50 778,50	-50 778,50	0,00	17.01.2021
17.01.2021	Payment	2596	10000		Payment 2021		-25 389,25	-25 389,25	0,00	17.01.2021
17.01.2021	<b>Credit Memo</b>	<b>104001</b>	10000		Credit Memo 104001		-292,84	-292,84	-292,84	<b>17.01.2021</b>
10.01.2021	Invoice	103015	10000		Order 101001		8 269,04	8 269,04	8 269,04	07.02.2021

# Explanation about symbols (objects) in the previous slide (Feedback to control all processes) - **Reports**

Report and source data = Entries (will be shown again in the simplified sales process)

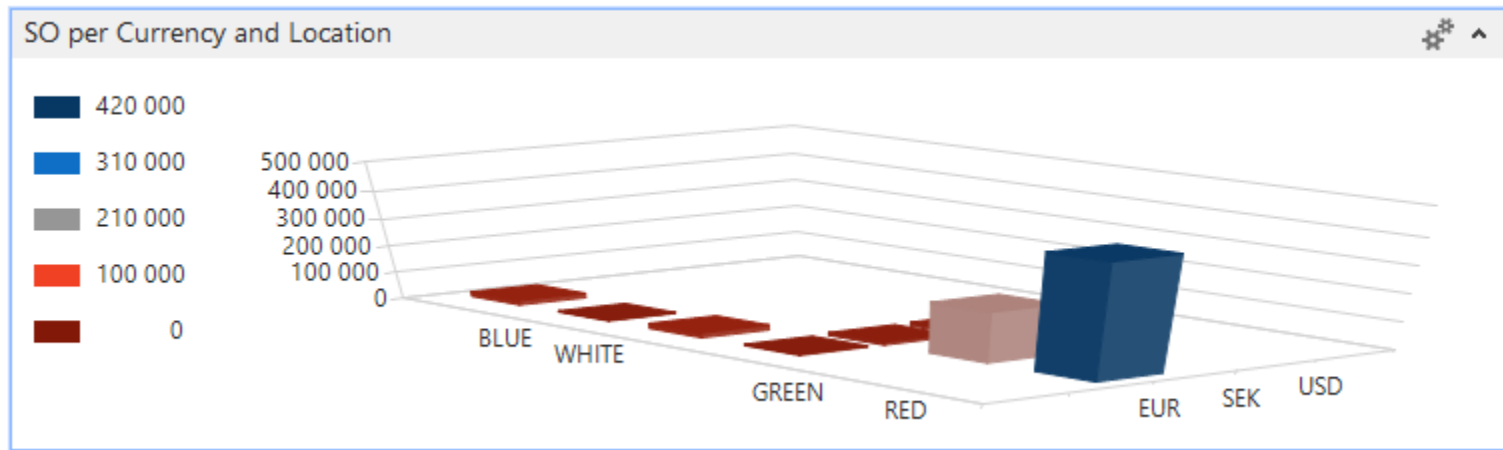


Posting Date	Document Type	Document No.	Customer No.	Message to Recipient	Description	Currency Code	Original Amount	Amount	Remaining Amount	Due Date
20.01.2021	Invoice	103028	10000		Order 6005		4 101,88	4 101,88	4 101,88	20.02.2021
25.01.2021	Invoice	103001	10000		Invoice 103001		8 182,35	8 182,35	8 182,35	25.02.2021
17.01.2021	Payment	2596	10000		Payment 2021		-67 704,67	-67 704,67	0,00	17.01.2021
17.01.2021	Payment	2596	10000		Payment 2021		-50 778,50	-50 778,50	0,00	17.01.2021
17.01.2021	Payment	2596	10000		Payment 2021		-25 389,25	-25 389,25	0,00	17.01.2021
17.01.2021	Cre								92,84	17.01.2021
10.01.2021	Inv								69,04	07.02.2021

<b>Customer - Balance to Date</b>						13. September 2019	
CRONUS International Ltd.						Page 1	
						ESF\MIKI	
All amounts are in LCY.							
Balance on 02.04.21							
Customer: No.: 10000							
Posting Date	Document Type	Document No.	Description	Amount	Entry No.		
<b>10000</b>	<b>The Cannon Group PLC</b>						
	Phone No.						
31.12.20	Invoice	00-11	Opening Entries, Customers	63 473,13	2435		
31.12.20	Invoice	00-16	Opening Entries, Customers	33 852,35	2445		
31.12.20	Invoice	00-9	Opening Entries, Customers	50 778,50	2463		
10.01.21	Invoice	103015	Order 101001	8 269,04	2565		
17.01.21	Credit Memo	104001	Credit Memo 104001	-292,84	2602		
25.01.21	Invoice	103001	Invoice 103001	8 182,35	2731		
20.01.21	Invoice	103028	Order 6005	4 101,88	2806		
	<b>The Cannon Group PLC</b>			<b>168 364,41</b>			
<b>Total</b>				<b>168 364,41</b>			

Explanation about symbols (objects) in the previous slide  
(Feedback to control all processes) – **Trends (graphics)**





# Sales Order

1012 · John Haddock Insurance Co.

General

Sell-to Customer No.: 30000 Document Date: 1.4.2019

Sell-to Customer Name: John Haddock Insurance Co. Requested Delivery Date:

Sell-to City: Manchester External Document No.:

Posting Date: 1.4.2019 Salesperson Code: PS

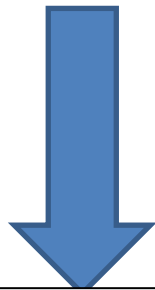
Order Date: 1.4.2019 Status: Open

HEADER (Business partner)  
to whom is will be sold

Lines

Type	No.	Description	Location Code	Quantity	Reserved Quantity	Unit of Measur...	Unit Price Excl. VAT	Line Amount Excl. VAT	Line Discount %	Qty. to Ship	Quantity Shipped	Qty. to Invoice
Item	1924-W	CHAMONIX Base Storage Unit	BLUE	1		PCS	136,40	115,94	15	1		1
Item	1968-S	MEXICO Swivel Chair, black	RED	2		PCS	123,30	234,27	5	2		2
Item	1700	Brake	BLUE	10		PCS	600,00	5 100,00	15	10		10
Resource	LINDA	Linda Martin		10		HOOR	12,50	125,00		10		10

Lines (what is sold)



Post ->

Microsoft Dynamics NAV

Ship  
 Invoice  
 Ship and Invoice

OK Cancel

Customer Ledger Entries

103045 Document No. Filter: 30000

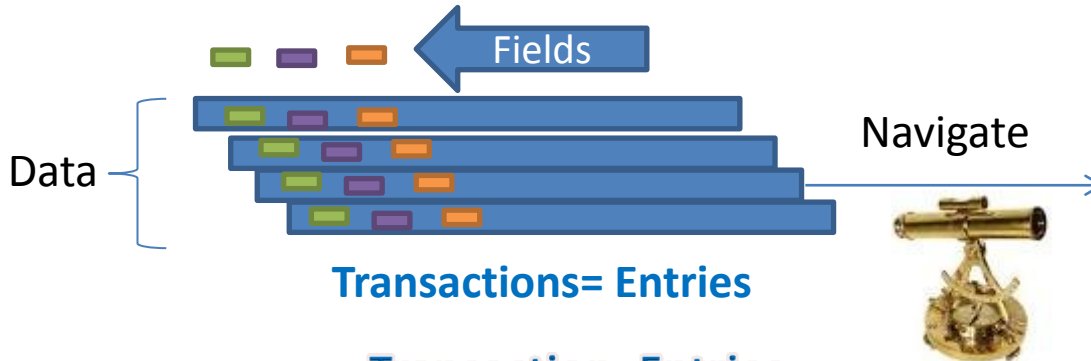
Posting Date	Document Type	Document No.	Cust... No.	Message to Recipient	Description	Curre... Code	Original Amount	Amount	Remaining Amount	Due Date
1.4.2019	Invoice	103045	30000		Order 1012		6 950,26	6 950,26	6 950,26	30.4.2019

Fields (different types of data)

# The most important data types

- Description (text) -> The Chair
- Number (decimal or integer) – >3,23
- Alphanumeric code -> A123D)
- Date -> 18.9.2019=180919
- Boolean ->yes or no = checked or not checked
- Period type = data formula= 1 week=1W, 3 Days=3D,...)
- Time – >8:00

# Transaction=Entry (Terminology)



Original document

## INVOICE

**East Repair Inc.**  
455 Amsterdam Avenue  
New York, NY 10223

<b>BILL TO</b> John Smith 2 Court Square Long Island City New York, NY 11220	<b>SHIP TO</b> John Smith 654 Lexington Avenue 6th Floor New York, NY 10222	<b>INVOICE #</b> 00234 <b>INVOICE DATE</b> 03/25/2014 <b>P.D.#</b> 1742/2014 <b>DUE DATE</b> 04/09/2014
--	---	--

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
1	Front and rear brake cables & Throttle cable	56.00	56.00
1	New set of pedal arms	182.00	182.00
3	Labor 3hrs	25.00	75.00
			Subtotal 313.00
			Sales Tax 5.0% 15.65
			<b>TOTAL \$328.65</b>

Thank you

**TERMS & CONDITIONS**

Payment is due within 15 days

Citibank, N.A.  
Account number: 2345678  
Routing: 23412

**Transactions= Entries**  
which has been created by ERP  
when the Sales Order have been posted



Customer Ledger Entries - (transactions) 103045 | Document No. Filter: 30000

Posting Date	Document Type	Document No.	Cust... No.	Message to Recipient	Description	Curre... Code	Original Amount	Amount	Remaining Amount	Due Date
1.4.2019	Invoice	103045	30000		Order 1012		6 950,26	6 950,26	6 950,26	30.4.2019

# INTRO 1

- Explain the concept of ERP and Microsoft Dynamics NAV 2016w1 or **NAV 2018w1**
- **ERP** = Enterprise Resource Planning System
- **Resources** = financial resources, machines, people, items,.....
- **Data** = transactions having origin in :
  - Posted documents (invoices, credit notes, deliveries, stock movement..)
  - Hence the type of these transactions-> entries
    - Customer
    - Vendor
    - Item (Inventory)
    - General Ledger (Accounts)

**Linked to :** Simple scenario of the first and second ERP Microsoft Dynamics NAV session I.

# INTRO 2

Customer number	Customer name	Balance	Payment condition	Currency
10000	SW Kings	20000	1M	USD
20000	China computers	432444	21D	USD
30000	Navertica	902	14D	CZK
40000	Berlin Experts	20002	1W	EUR

Data



How to  
see  
data  
(Window)

# INTRO 3 – Customer card –part of it

10000 · The Cannon Group PLC

General

No.:	10000	Contact:	Mr. Andy Teal
Name:	The Cannon Group PLC	Search Name:	THE CANNON GROUP PLC
Address:	192 Market Square	Balance (LCY):	168 364,41
Address 2:		Credit Limit (LCY):	0,00
Post Code:	B27 4KT	Salesperson Code:	PS
City:	Birmingham	Responsibility Center:	BIRMINGHAM
Country/Region Code:	GB	Service Zone Code:	M
Phone No.:		Blocked:	
Primary Contact No.:		Last Date Modified:	24.8.2017

Fields

**Data + Structure = Information** →

Important information  
having origin in  
transactions-entries

# INTRO 4 – Customer entries

10000 · The Cannon Group PLC

(Customer card)

General

No.: 10000

Name: **The Cannon Group PLC**

Address: 192 Market Square

Post Code: B27 4KT

City: Birmingham

Contact: Mr. Andy Teal

Search Name: THE CANNON GROUP PLC

Balance (LCY): **168 364,41**

Credit Limit (LCY): 0,00

Salesperson Code: PS

Responsibility Center: BIRMINGHAM

Service Zone Code: M

Customer Ledger Entries

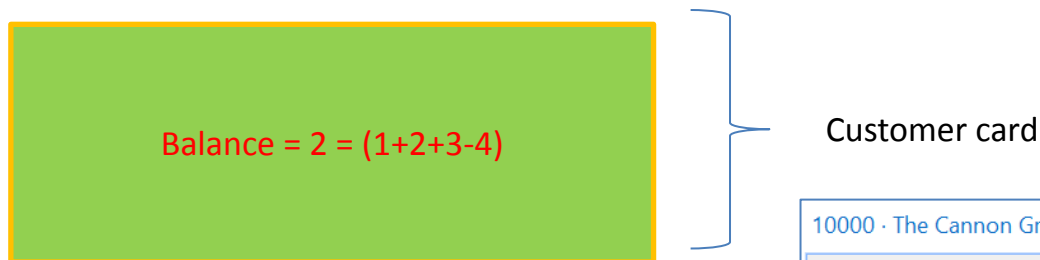
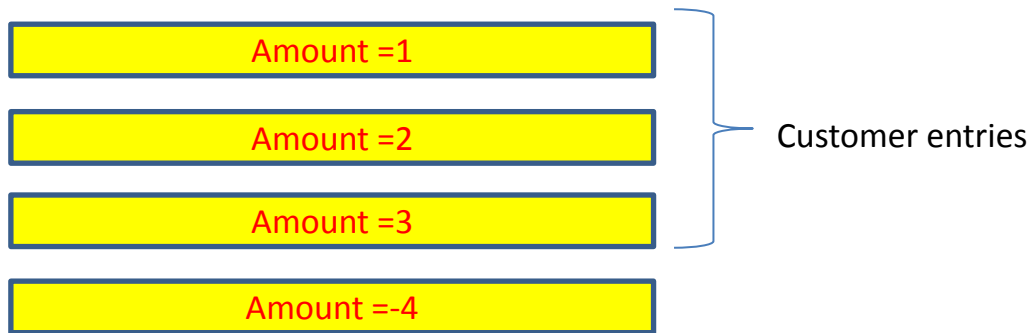
Show results: Where Customer No. is 10000

What has been posted in the past

Posti... Date	Document Type	Document No.	Cust... No.	Message to Recipient	Description	C... C...	Original Amount	Amount	Remaining Amount	Due Date	Pmt. Discou...	Pmt Tol...
31.12.2018	Invoice	00-1	10000		Opening Entries, Custo...		25 389,25	25 389,25	0,00	1.1.2019	8.1.2019	8.1.2
31.12.2018	Invoice	00-11	10000		Opening Entries, Custo...		63 473,13	63 473,13	63 473,13	31.1.2019	8.1.2019	8.1.2
31.12.2018	Invoice	00-16	10000		Opening Entries, Custo...		33 852,35	33 852,35	33 852,35	31.1.2019	8.1.2019	8.1.2
31.12.2018	Invoice	00-3	10000		Opening Entries, Custo...		50 778,50	50 778,50	0,00	3.1.2019	8.1.2019	8.1.2
31.12.2018	Invoice	00-6	10000		Opening Entries, Custo...		67 704,67	67 704,67	0,00	7.1.2019	8.1.2019	8.1.2
31.12.2018	Invoice	00-9	10000		Opening Entries, Custo...		50 778,50	50 778,50	50 778,50	31.1.2019	8.1.2019	8.1.2
6.1.2019	Invoice	103015	10000		Order 101001		8 269,04	8 269,04	8 269,04	3.2.2019	11.1.2019	11.1.
13.1.2019	Credit Me...	104001	10000		Credit Memo 104001		-292,84	-292,84	-292,84	13.1.2019		
13.1.2019	Payment	2596	10000		Payment 2019		-25 389,25	-25 389,25	0,00	13.1.2019		
13.1.2019	Payment	2596	10000		Payment 2019		-50 778,50	-50 778,50	0,00	13.1.2019		
13.1.2019	Payment	2596	10000		Payment 2019		-67 704,67	-67 704,67	0,00	13.1.2019		
16.1.2019	Invoice	103028	10000		Order 6005		4 101,88	4 101,88	4 101,88	16.2.2019	24.1.2019	24.1.
21.1.2019	Invoice	103001	10000		Invoice 103001		8 182,35	8 182,35	8 182,35	21.2.2019	29.1.2019	29.1.

**168364,41**=25389,25+63473,13+.....+8182,35

# Flow field (calculated field) – the main principle



10000 · The Cannon Group PLC

General

No.:	<input type="text" value="10000"/>	...
Name:	<input type="text" value="The Cannon Group PLC"/>	
IC Partner Code:	<input type="text"/>	
Balance (LCY):	<input type="text" value="242 770,16"/>	
Balance Due (LCY):	<input type="text" value="240 457,66"/>	
Credit Limit (LCY):	<input type="text"/>	0,00
Blocked:	<input type="text"/>	
Salesperson Code:	<input type="text" value="PS"/>	



# INTRO 5 – Customer document- Navigation

Customer Ledger Entries ▾

Show results:

✗ Where Customer No. ▾ is 10000

+ Add Filter

Posti... Date	Document Type	Document No.	Cust... No.	Message to Recipient	D
31.12.2018	<i>Invoice</i>	<i>00-1</i>	10000		O
31.12.2018	Invoice	00-11	10000		O
31.12.2018	Invoice	00-16	10000		O
31.12.2018	<i>Invoice</i>	<i>00-3</i>	10000		O
31.12.2018	<i>Invoice</i>	<i>00-6</i>	10000		O
31.12.2018	Invoice	00-9	10000		O
6.1.2019	Invoice	103015	10000		O
13.1.2019	<i>Credit Me...</i>	<i>104001</i>	10000		Cr
13.1.2019	Payment	2596	10000		Pa
13.1.2019	Payment	2596	10000		Pa
13.1.2019	Payment	2596	10000		Pa
16.1.2019	Invoice	103028	10000		O
21.1.2019	Invoice	103001	10000		In



From entry to document  
(Cause->Effect)

**Sales - Invoice**  
Page 1 of 1

The Cannon Group PLC  
Mr. Andy Teal  
192 Market Square  
Birmingham, B27 4KT  
Great Britain

CRONUS, Birmingham RC.  
Aaron Nicholls  
Main Street 14  
Birmingham, B27 4KT  
Great Britain

Bill-to Customer No. 10000  
VAT Registration No. 789456278

Phone No. +44-161 818192  
E-Mail  
Home Page  
VAT Reg. No. GB77777777  
Giro No. 888-9999  
Bank World Wide Bank  
Account No. 99-99-888  
Salesperson Peter Saddow

Invoice No. **103028**  
Order No. 6005  
Posting Date 16. January 2019  
Due Date 16. February 2019  
Document Date 16. January 2019  
Payment Terms 1 Month/2% 8 days  
Shipment Method Ex Warehouse  
Prices Including VAT No

No.	Description	Posted Shipment Date	Quantity	Unit of Measure	Unit Price	Discount %	VAT Identifier	Amount
1964-W	INNSBRUCK Storage Unit/G.Door	16.01.19	10	Piece	292,00		VAT25	2 920,00
70011	Glass Door	16.01.19	5	Piece	72,90		VAT25	3 61,50
<b>Total GBP Excl. VAT</b>								<b>3 281,50</b>
25% VAT								<b>820,38</b>
<b>Total GBP Incl. VAT</b>								<b>4 101,88</b>

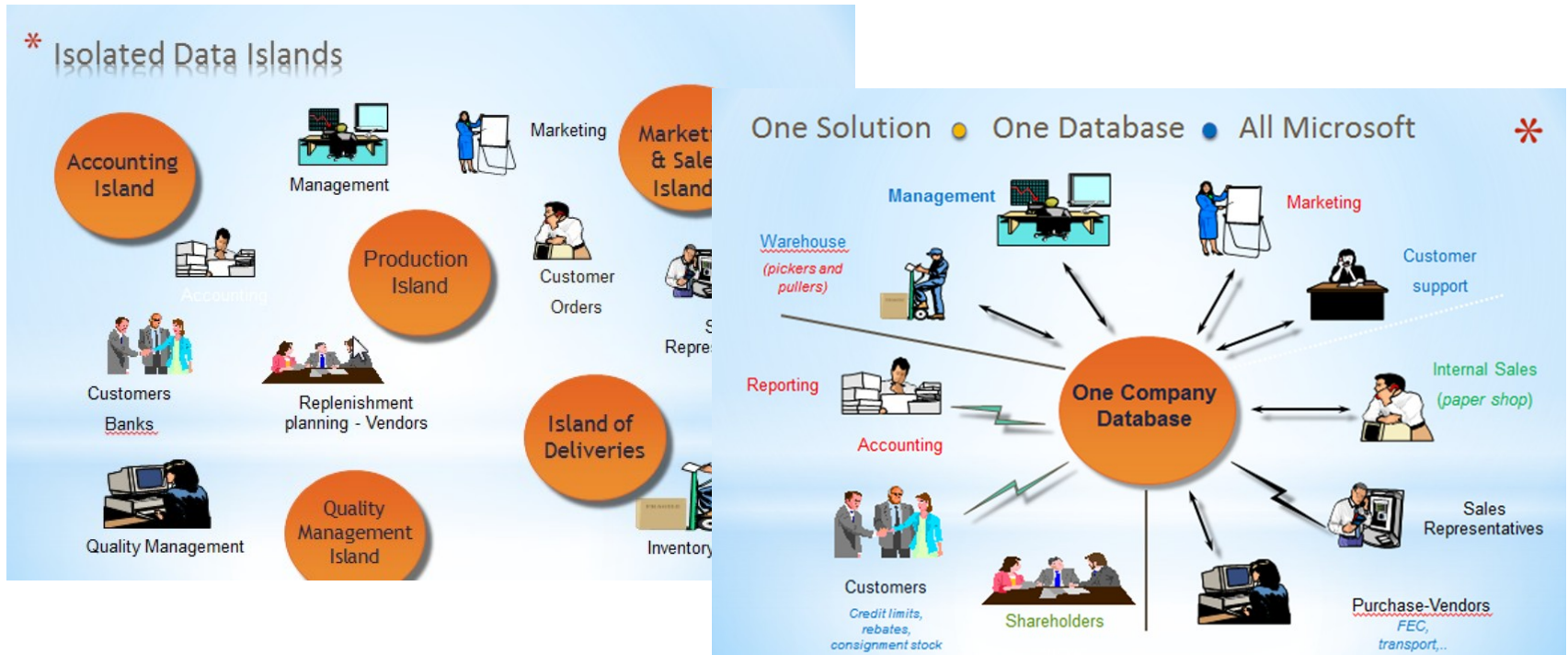
VAT Amount Specification

VAT Identifier	VAT %	Line Amount	Invoice Discount Base Amount	Invoice Discount Amount	VAT Base	VAT Amount
VAT25	25	3 281,50	3 281,50	0,00	3 281,50	820,38
<b>Total</b>		<b>3 281,50</b>	<b>3 281,50</b>	<b>0,00</b>	<b>3 281,50</b>	<b>820,38</b>

# INTRO 6 – What is ERP 1

So our Microsoft Dynamics NAV is an ERP system. But why is it an ERP system? What are the main features of an ERP system, and how do we recognize these in Microsoft Dynamics NAV?

Let's have a look at the overview slide. So one of the challenges that some companies might have to address is one **of island systems**.



# INTRO 7 – What is ERP 2

## Island systems

### Warehouse Data (examples)

- Physical location of items
- Actual stock count
- Number of items on hold

### Production Data (examples)

- Number of items to be produced
- Number of items already produced
- Capacity

### Sales & Customer Data (examples)

- Number of items available for sales
- Confirmed sales orders
- Customer information

# INTRO 8 – What is ERP 3

So everyone working with the system, for example, the bookkeeper in financial management, the sales representative in sales and marketing, the warehouse worker in the warehouse management, the HR manager in human resources and so on, so they all work with the system in their specific application department but with a **common database**. And that's very, very important. **That's one of the main features of an ERP system.**

# INTRO 9 – Basics of working space

- Card (one record)
- List (many records)
- Role Center
- Card part (tab)
- List part
- Document
- Worksheet (to enter data)
- Confirmation dialog
- 
- Navigate page (wizard)
- Standard dialog

Will be shown by tutor and examined on demo student databases by them

# Card and list examples

Customers - Microsoft Dynamics NAV

CRONUS International Ltd. > Domovská stránka > Customers

DOMOVSKÁ STRÁNKA AKCE NAVIGACE SESTAVY

Úpravy

No.	Name	Responsi... Center	Location Code	Phone No.	Contact	Balance (LCY)	Balance Due (LCY)	Sales (LCY)
01121212	Spotsmeyer's Furnishings		YELLOW		Mr. Mike Nash	0,00	0,00	0,00
01445544	Progressive Home Furnishin...		YELLOW		Mr. Scott Mitchell	1 499,03	1 499,03	1 499,03
01454545	New Concepts Furniture		YELLOW		Ms. Tammy L. McDonald	222 241,32	222 241,32	0,00
01905893	Candoxy Canada Inc.		YELLOW		Mr. Rob Young	0,00	0,00	0,00
01905899	Elkhorn Airport		YELLOW		Mr. Ryan Danner	0,00	0,00	0,00
01905902	London Candoxy Storage C...		YELLOW		Mr. John Kane	0,00	0,00	0,00
10000	The Cannon Group PLC	BIRMINGH...	BLUE		Mr. Andy Teal	242 770,16	240 457,66	76 733,56
20000	Selangorian Ltd.				Mr. Mark McArthur	98 308,29	98 308,29	11 611,08

Click on Edit (in our example Úpravy) to get chosen Customer Card

Úpravy - Customer Card - 10000 - The Cannon Group PLC

CRONUS International Ltd.

10000 · The Cannon Group PLC

General

No.: 10000

Name: The Cannon Group PLC

IC Partner Code:

Balance (LCY): 242 770,16

Balance Due (LCY): 240 457,66

Credit Limit (LCY): 0,00

Blocked:

Salesperson Code: PS

Responsibility Center: BIRMINGHAM

Service Zone Code: M

Document Sending Profile:

Total Sales: 76 733,56

Costs (LCY): 18 923,82


Profit (LCY): 57 809,74

Profit %: 75,3

Last Date Modified: 21.12.2017

Customer Picture

Import Export



Zobrazit méné polí

# Every card has several Tabs

The image shows two overlapping SAP configuration tabs. The background tab is 'Invoicing' and the foreground tab is 'Payments'. The 'Payments' tab is active and contains the following fields:

Field	Value
Prepayment %:	0
Application Method:	Manual
Partner Type:	
Payment Terms Code:	1M(8D)
Payment Method Code:	
Reminder Terms Code:	DOMESTIC
Fin. Charge Terms Code:	1.5 DOM.
Cash Flow Payment Terms Code:	
Print Statements:	<input checked="" type="checkbox"/>
Last Statement No.:	0
Block Payment Tolerance:	<input type="checkbox"/>
Preferred Bank Account Code:	

**The reason :** to see as much as possible fields .

Every tab contains fields, which serve to control subfunctions such a payment, shipment, and so on.

# Relations between tables

1016 - The Cannon Group PLC

General

Customer No.: 10000  
Customer Name: The Cannon Group PLC  
Due Date: 13.01.2020  
Requested Delivery Date: 12.12.2019  
Promised Delivery Date:  
External Document No.:  
Salesperson Code: PS  
Campaign No.:  
Opportunity No.:  
Responsibility Center: BIRMINGHAM  
Assigned User ID:  
Status: Open

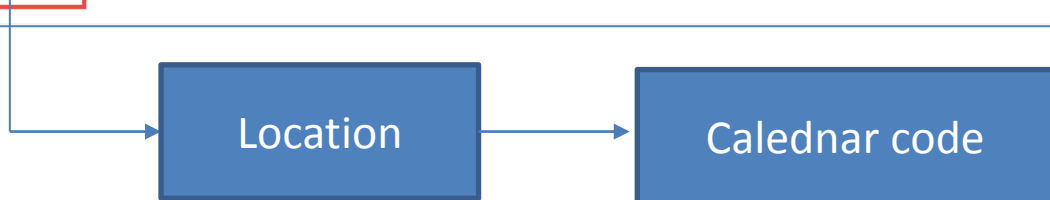
**Sell-to**  
Address: 192 Market Square  
Address 2:  
Post Code: B27 4KT  
City: Birmingham  
Contact No.: CT000008  
Contact: Mr. Andy Teal  
No. of Archived Versions: 0  
Document Date: 13.12.2019  
Posting Date: 01.12.2019  
Order Date: 01.12.2019

**Work Description**

Lines

Line Order Najit Filtr Vymazat filtr

Type	No.	Description	Location Code	Quantity	Qty. to Assemble to Order	Reserved Quantity	Unit of Measur...	Unit Price Excl. VAT	Line Amount Excl. VAT	Line Discount %
Item	REZ_02	Stick	BLUE	100			PCS	10,00	1 000,00	





# Relations between tables

The screenshot illustrates the relationship between data tables in SAP CRM. It shows a table with columns: Gen. Bus. Posting Group, Gen. Prod. Posting Group, Description, Sales Account, Sales Credit Memo Ac..., Sales Line Disc. Ac..., and Sales Inv. Disc. Ac... The row for 'DOMESTIC' has 'RETAIL' selected in the 'Gen. Prod. Posting Group' column. Below this, the 'Setup' menu is open, showing 'Gen. Product Posting Groups' with 'RETAIL' selected. A red arrow points from the 'RETAIL' field in the 'Posting Details' section to the 'RETAIL' field in the 'Setup' menu, indicating a data relationship.

Gen. Bus. Posting Group	Gen. Prod. Posting Group	Description	Sales Account	Sales Credit Memo Ac...	Sales Line Disc. Ac...	Sales Inv. Disc. Ac...
DOMESTIC	RETAIL		6110	6110	6910	6910

Setup Menu: Gen. Product Posting Groups

Code	Description	Def. VAT Prod. Posti...	Auto Inse...
RETAIL	Retail	VAT25	<input checked="" type="checkbox"/>

Posting Details:

Prod. Posting Group:	RETAIL
Inventory Posting Group:	RESALE
Default Deferral Template:	

## List Page Windows Client

The screenshot shows the Microsoft Dynamics NAV interface for the 'Customers' list page. The window title is 'Customers - Microsoft Dynamics NAV'. The ribbon at the top includes tabs for HOME, ACTIONS, NAVIGATE, and REPORT. The ribbon contains various icons for actions like 'New Sales Invoice', 'Edit', 'View', 'Delete', 'Sales Journal', 'Statement', 'Contact', 'Dimensions', 'Credit Cards', 'Ledger Entries', 'Statistics', 'Microsoft Excel', 'Show as List', 'Show as Chart', 'Notes', 'Refresh', 'Clear Filter', and 'Find'. A search bar is located at the top right. The main area displays a table of customer records with columns for No., Name, Responsi..., Location..., Phone No., and Contact. A filter pane is visible on the right side of the table. The bottom left corner shows the 'Home' button and 'Posted Documents' and 'Departments' sections. The status bar at the bottom indicates the company name 'CRONUS International Ltd.', the date 'Thursday, January 22, 2015', and the user 'CONTOSO\ADMINISTRATOR'. Four red boxes with numbers 1, 2, 3, and 4 are overlaid on the image to highlight specific features: 1 points to the ribbon, 2 points to the filter pane, 3 points to the left-hand navigation pane, and 4 points to the FactBox pane on the right.

No.	Name	Responsi...	Location...	Phone No.	Contact
01121212	Spotmeyer's Furnishings		YELLOW		Mr. Mike Nash
01445544	Progressive Home Furnishi...		YELLOW		Mr. Scott Mitchell
01454545	New Concepts Furniture		YELLOW		Ms. Tammy L. McDonald
01905893	Candoxy Canada Inc.		YELLOW		Mr. Rob Young
01905899	Elkhorn Airport		YELLOW		Mr. Ryan Danner
01905902	London Candoxy Storage C...		YELLOW		Mr. John Kane
10000	The Cannon Group PLC	BIRMINGH...	BLUE		Mr. Andy Teal
20000	Selangorian Ltd.				Mr. Mark McArthur
20309920	Metatorad Malaysia Sdn Bhd		YELLOW		Mrs. Azleen Samat
20312912	Highlights Electronics Sdn ...		GREEN		Mr. Mark Darrell Boland
20339921	TraxTonic Sdn Bhd		YELLOW		Mrs. Rubina Usman
21233572	Somadis		YELLOW		M. Syed ABBAS
21245278	Maronegoce		BLUE		Mme. Fadous AIT MOUSSA
21252947	ElectroMAROC		YELLOW		
27090917	Zanlan Corp.		YELLOW		Mr. Derik Stenerson
27321782	Karoo Supermarkets		YELLOW		Mr. Pieter Wycoff
27489991	Durbandit Fruit Exporters		YELLOW		Mr. Eric Lang
30000	John Haddock Insurance Co.				Miss Patricia Doyle

1. Ribbon
2. Filter pane
3. List
4. FactBox pane

# Card page – first tab only

**10000 · The Cannon Group PLC**

**General**

No.:	10000	Contact:	Mr. Andy Teal
Name:	The Cannon Group PLC	Search Name:	THE CANNON GROUP PLC
Address:	192 Market Square	Balance (LCY):	168 364,41
Address 2:		Credit Limit (LCY):	0,00
Post Code:	B27 4KT	Salesperson Code:	PS
City:	Birmingham	Responsibility Center:	BIRMINGHAM
Country/Region Code:	GB	Service Zone Code:	M
Phone No.:		Blocked:	
Primary Contact No.:		Last Date Modified:	24.8.2017

**Sell-to Customer Sal...**

Customer No.:	10000
Quotes:	0
Blanket Orders:	0
Orders:	4
Invoices:	0
Return Orders:	0
Credit Memos:	0
Pstd. Shipments:	6
Pstd. Invoices:	3
Pstd. Return Rece...:	1
Pstd. Credit Mem...:	1

Customer Statistics

# Document page

Edit - Sales Order - 109005 - MEMA Ljubljana d.o.o.

HOME ACTIONS NAVIGATE

View Edit New Delete Manage  
Release Reopen  
Post...  
Copy Document... Order Promising Prepare  
Statistics Assembly Orders Archive Document Order  
Shipments Invoices Documents  
Email Confirmation... Print Confirmation... Order Confirmation  
Send Approval Request Cancel Approval Request Request Approval  
OneNote Notes Links Show Attachments

109005 · MEMA Ljubljana d.o.o.

Header

General

Sell-to Customer No.:	38128456	Document Date:	25.9.2019
Sell-to Customer Name:	MEMA Ljubljana d.o.o.	Requested Delivery Date:	
Sell-to City:	Ljubljana	External Document No.:	
Posting Date:	25.9.2019	Salesperson Code:	JR
Order Date:	25.9.2019	Status:	Open

Show more fields

Lines

Line	Type	No.	Description	Location Code	Quantity	Qty. to A...	Reserved Quantity	Unit of Measu...	Unit Price Excl. VAT	Line Amount Excl. VAT	Line Discou...	Qty. to Ship	Quantity Shipped
	Item	1000	Bicycle		16			PCS	5 798,782	69 585,38	25	16	
	Item	1001	Touring Bicycle		3		3	PCS	5 798,782	17 396,35		3	
	Item	1100	Front Wheel		5			PCS	1 449,696	7 248,48		5	
	Item	1200	Back Wheel		5			PCS	1 739,635	8 698,18		5	

# Matrix window (form)

## Items by Location Matrix ▾

### Stock locations

No.	Description	BLUE	GREEN	RED
1960-S	ROME Guest Chair, green	153		24
1964-S	TOKYO Guest Chair, blue	59	60	29
1964-W	INNSBRUCK Storage Unit/G...	21	27	-2
1968-S	MEXICO Swivel Chair, black	236	14	15
1968-W	GRENOBLE Whiteboard, red		4	4
1972-S	MUNICH Swivel Chair, yellow	37	-1	-4
1972-W	SAPPORO Whiteboard, black	4	2	5
1976-W	INNSBRUCK Storage Unit/W...	3	-2	-106,4752
1980-S	MOSCOW Swivel Chair, red	65	14	21
1984-W	SARAJEVO Whiteboard, blue	3	3	4

# INTRO 10 – Searching window

(„NAV Google search engine“)

The screenshot shows the Microsoft Dynamics NAV search window. The search bar contains the text "item". Below the search bar, a list of search results is displayed, including "Items", "Item Journals", "Item Ledger Entries", "Item Budget Entries", "Customer/Item Sales", "Vendor/Item Purchases", "Vendor Item Catalog", "Adjust Item Costs/Prices...", "Adjust Cost - Item Entries...", "Item Dimensions - Detail", "Item Dimensions - Total", "Item Age Composition - Value", and "Item Register - Value".

The main window displays a table of items with the following columns: No., Description, As... BO..., Base Unit of Measure, Cost is..., and Unit. The table contains the following data:

No.	Description	As... BO...	Base Unit of Measure	Cost is...	Unit
1000	Bicycle	No	PCS		350,594
1001	Touring Bicycle	No	PCS	<input checked="" type="checkbox"/>	350,594
1100	Front Wheel	No	PCS	<input type="checkbox"/>	1 000,00
1110	Rim	No	PCS	<input checked="" type="checkbox"/>	0,00
1120	Spokes	No	PCS	<input checked="" type="checkbox"/>	0,00
1150	Front Hub	No	PCS	<input checked="" type="checkbox"/>	500,00
1151	Axle Front Wheel	No	PCS	<input checked="" type="checkbox"/>	0,00
1155	Socket Front	No	PCS	<input checked="" type="checkbox"/>	0,00

Will be shown by the tutor and examined on demo student databases by them (Find Vendor, Item, Customer, General Ledger Account, Profile and so on)

# Simple filter

Items ▾

13\* No. ▾ ✕

Show results:

✕ Where No. ▾ is Enter a value.

+ Add Filter

\* = any alphanumeric character

No.	Description	As... BO...	Base Unit of Measure	Cost is ...	Unit Cost	Unit Price	Vendor No.	Search Description
1300	Chain Assy	No	PCS	<input type="checkbox"/>	13,1565	800,00		CHAIN ASSY
1310	Chain	No	PCS	<input checked="" type="checkbox"/>	1,99	0,00	32456123	CHAIN
1320	Chain Wheel Front	No	PCS	<input checked="" type="checkbox"/>	4,66	0,00	32456123	CHAIN W...
1330	Chain Wheel Back	No	PCS	<input checked="" type="checkbox"/>	5,88	0,00	32456123	CHAIN W...

# Multiple filter

Items ▾

Type to filter (F3) | No. ▾ | → ^


Show results:

✕ Where No. ▾ is 1\*

✕ And Description ▾ is

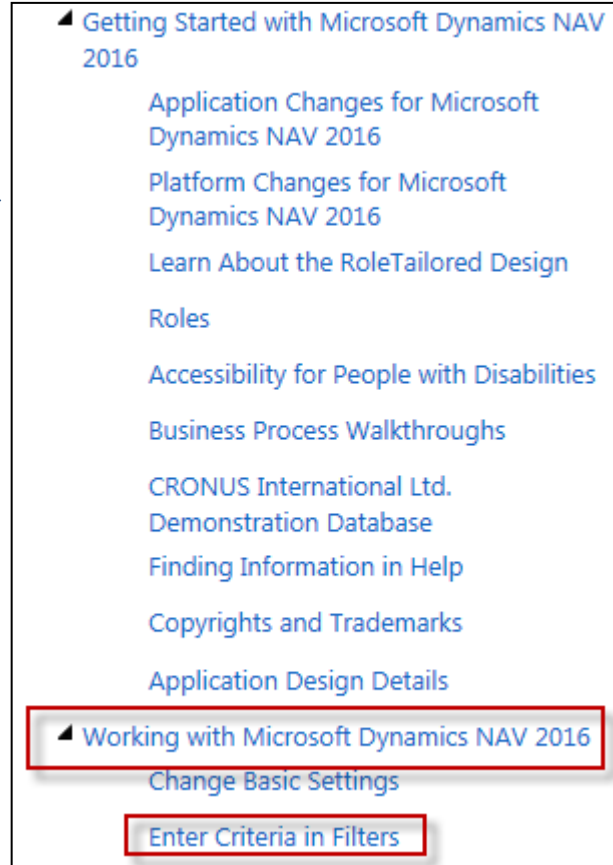
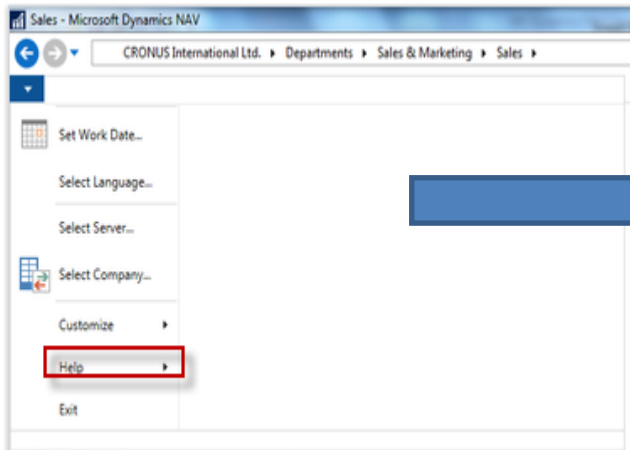
+ Add Filter

No.	Description	As... BO...	Base Unit of Measure	Cost is ...	Unit Cost	Unit Price	Vendor No.	Search Description
1000	Bicycle	No	PCS	<input type="checkbox"/>	350,594	4 000,00		BICYCLE
1200	Back Wheel	No	PCS	<input type="checkbox"/>	129,6815	1 200,00		BACK WH...
1250	Back Hub	No	PCS	<input checked="" type="checkbox"/>	12,4515	1 100,00		BACK HUB
1600	Bell	No	PCS	<input type="checkbox"/>	2,70	0,00	32456123	BELL
1700	Brake	No	PCS	<input type="checkbox"/>	9,765	600,00		BRAKE
1936-S	BERLIN Guest Chair, yellow	No	PCS	<input type="checkbox"/>	97,50	125,10	20000	BERLIN GU...





# Example of using help \_filter criteria)



# Example of using help \_filter criteria)

Sample Expression	Records Displayed
1100..2100	Numbers 1100 through 2100
..2500	Up to and including 2500
..12 31 00	Dates up to and including 12 31 00
P8..	Information for accounting period 8 and thereafter
..23	From the beginning date until 23-current month-current year 23:59:59
23..	From 23-current month-current year 0:00:00 until the end of time
22..23	From 22-current month-current year 0:00:00 until 23-current month-current year 23:59:59

**(I) Either/or**

Sample Expression	Records Displayed
1200 1300	Numbers with 1200 or 1300

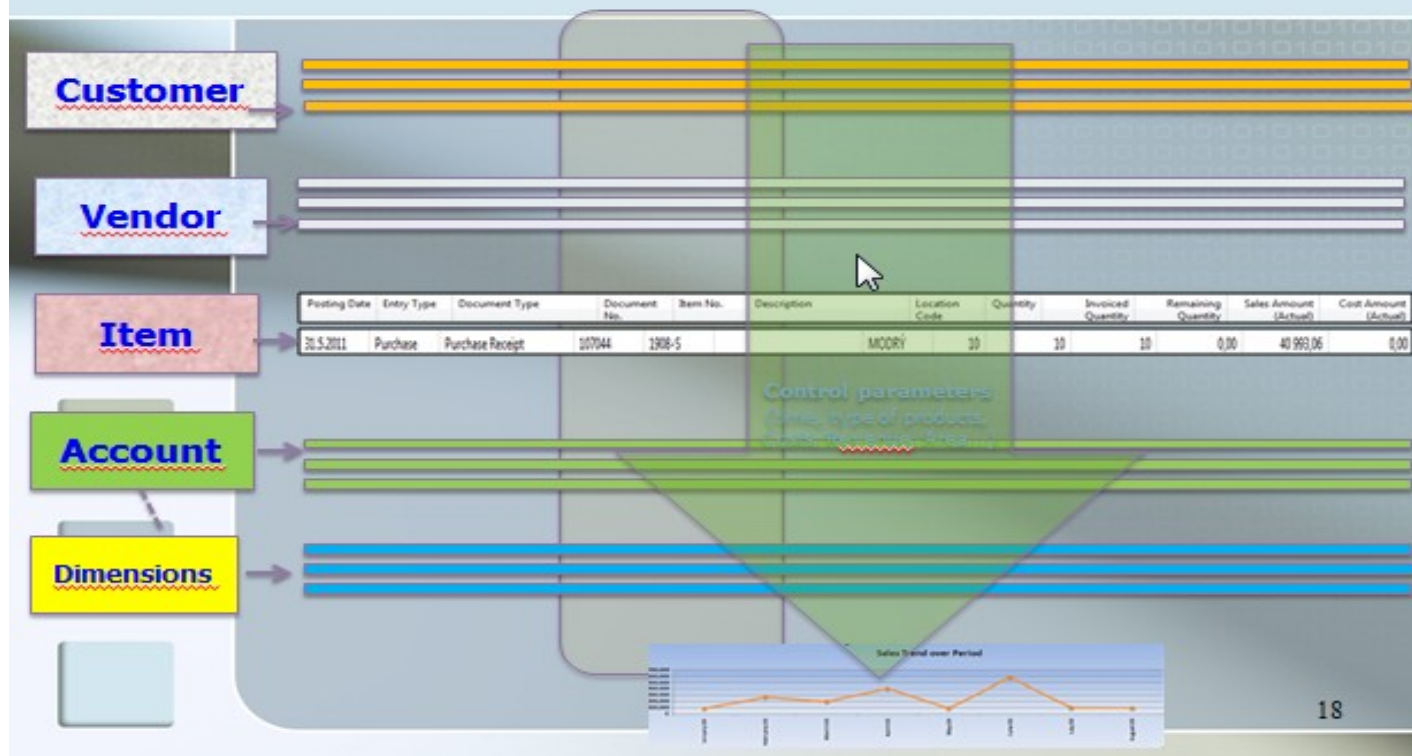
**(<>) Not equal to**

Sample Expression	Records Displayed
<>0	All numbers except 0  The SQL Server Option allows you to combine this symbol with a wild card expression. For example, <>A* meaning not equal to any text that starts with A.

Only part of it !  
Will be presented  
by tutor and  
experienced by  
students ....

# Entries and their use

Main principles (source tables and their entries)




# Report – example (data resource - Customer Ledger Entries)

## Customer - Balance to Date

Customer - Balance to Date						19. September 2017
CRONUS International Ltd.						Page 1
						ESF\MIKI
All amounts are in LCY.						
Balance on 31.12.18						
Customer: No.: 10000						
Posting Date	Document Type	Document No.	Description	Amount	Entry No.	
<b>10000</b>	<b>The Cannon Group PLC</b>					
	Phone No.					
31.12.18	Invoice	00-1	Opening Entries, Customers	25 389,25	2444	
13.01.19	Payment	2596	Application	-25 389,25		
				<b>0,00</b>		
31.12.18	Invoice	00-11	Opening Entries, Customers	63 473,13	2448	
31.12.18	Invoice	00-16	Opening Entries, Customers	33 852,35	2458	
31.12.18	Invoice	00-3	Opening Entries, Customers	50 778,50	2464	
13.01.19	Payment	2596	Application	-50 778,50		
				<b>0,00</b>		
31.12.18	Invoice	00-6	Opening Entries, Customers	67 704,67	2470	
13.01.19	Payment	2596	Application	-67 704,67		
				<b>0,00</b>		
31.12.18	Invoice	00-9	Opening Entries, Customers	50 778,50	2476	
	<b>The Cannon Group PLC</b>			<b>291 976,40</b>		
<b>Total</b>				<b>291 976,40</b>		

TEXT document related to this PWP show

 Introduction scenario ERP MS Dynamics NAV_only parts_of_It_20180919	5.9.2018 12:24	Dokument aplikac...	7 312 kB
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**Only to page 9 !!!**

# Study material for this (16.9. or 18.9) and probably next session

<input type="radio"/>	<b>P</b>	Introduction MS Dynamics_Transfer_Orders Introduction_MS_Dynamics_T...	Skorkovský, J.	9. 10. 2017
<input type="radio"/>	<b>P</b>	Introduction_MS_Dynamics_Filtering_Searching_Basic_Orientation_In_W...	Skorkovský, J.	Today
<input type="radio"/>	<b>W</b>	Introduction_scenario_ERP_MS_Dynamics_NAV_only_parts_of_It_201809...	Skorkovský, J.	Today
<input type="radio"/>	<b>P</b>	Ishikawa fishbone diagram and Pareto analysis tools Ishikawa_fishbone_d...	Skorkovský, J.	24. 10. 2017
<input type="radio"/>	<b>P</b>	Kepner-Tregoe Methodology version 5 Kepner-Tregoe_Methodology_versi...	Skorkovský, J.	15. 11. 2017
<input type="radio"/>	<b>W</b>	Last assignment of theory blocks for AOMA-AOPR courses Last_assignme...	Skorkovský, J.	25. 10. 2017
<input type="radio"/>	<b>X</b>	Linear Programming Excel solver file LP_EXCEL_SOLVER_USE_20171101.xlsx...	Skorkovský, J.	7. 11. 2017
<input type="radio"/>	<b>P</b>	Linear programming- introduction and examples of SOLVER use Linear_...	Skorkovský, J.	6. 11. 2017
<input type="radio"/>	<b>P</b>	Little 's law basics_last version_ENG Little_s_law_basics_last_version_ENG_2...	Skorkovský, J.	13. 11. 2017
<input type="radio"/>	<b>P</b>	MS_Dynamics_NAV_Intro_1_20180919.pptx	Skorkovský, J.	Today
<input type="radio"/>	<b>P</b>	OM_prerequisites_starting_lesson_20180905.pptx	Skorkovský, J.	17. 9. 2018
<input type="radio"/>	<b>P</b>	Operation_Management_Introduction_20180917.pptx	★ Skorkovský, J.	17. 9. 2018
<input type="radio"/>	<b>W</b>	Seminar work example_1 Lilia_Tugulea_Seminar_Paper_LTU_20151121.docx...	Skorkovský, J.	7. 11. 2017
<input type="radio"/>	<b>P</b>	Seminar work PWP presentation file_example_1 Tugulea_Lilia_Presentatio...	Skorkovský, J.	7. 11. 2017
<input type="radio"/>	<b>W</b>	Simple scenario Complex example ERP MS NAV_2016 RTC ENG Simple_sc...	Skorkovský, J.	6. 12. 2017
<input type="radio"/>	<b>W</b>	Simple scenario how to construct Account schedule-complement to PWP...	Skorkovský, J.	19. 11. 2017
<input type="radio"/>	<b>W</b>	Simple_scenario_of_the_first_and_second_ERP_Microsoft_Dynamics_NAV...	Skorkovský, J.	Today