MODULE 3: PAGES

Module Overview

In Microsoft Dynamics NAV 2013, you use pages to display, enter, and change data in the client. Pages provide an easy way to create a task-oriented, intuitive, and dynamic user interface. There are different types of pages that let the client present data in different ways. These pages let users interact productively with Microsoft Dynamics NAV 2013 to perform tasks.

Pages can access data from one table at a time, or they can combine information from several tables. A page can also display information that is calculated as the page is displayed, and it can also contain information that is not related to data from any table, such as labels or bitmap pictures.

Objectives

- Explain the concepts of pages and page components.
- Describe Page Designer and Action Designer.
- Create a simple page and add basic controls to the page.
- Provide an overview of different page types and their characteristics.
- Discuss best practices in designing pages.
- Create a Card page, add a container, FastTabs, and fields.
- Create a List page and link it to the Card page.
- Create a main page, a Part page, and link the two pages.

Page Fundamentals

Pages contain properties, triggers, and controls which define the behavior of the page. The page is shown in the client. However, the application logic in page triggers runs on the Microsoft Dynamics NAV Service Tier. This makes Microsoft Dynamics NAV 2013 a secure, scalable, and flexible application.

The following figure shows the components of a page and how they are related.

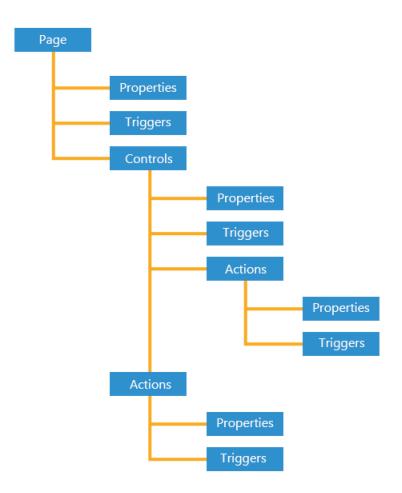


FIGURE 3.1: PAGE DEFINITION

You create and design pages in the Page Designer in Microsoft Dynamics NAV Development Environment.

Properties

Use page properties to define the behavior of the pages. For example, page properties such as InsertAllowed, ModifyAllowed, and DeleteAllowed, specify whether you can use a page only for displaying information, or whether you can insert new records, update, or delete existing records through the page.

Some page properties are common with other objects, such as **ID**, **Name**, or **Caption**, whereas many more properties are specific to pages, such as **PageType**, **CardPageID**, or **SourceTable**.

The following steps show how to open the Properties window for the Customer Card page.

To create a page in Microsoft Dynamics NAV Development Environment, do the following:

- 1. On the **Tools** menu, click **Object Designer**. The Object Designer opens.
- 2. Click Page to open the Page list.
- 3. Select page **21**, **Customer Card**, and then **Design** to design the Customer Card page. The Page Designer opens.
- Scroll down to the blank line at the bottom of the page, and then click View > Properties, or click the Properties button on the Toolbar.
- 5. The **Page Properties** window opens and shows the properties for the page. Here you can view and change properties for the Customer Card page.

EType	SubType	SourceExpr	Name	Caption		Property	Value	
Field		"Shipping Advice"	<shipping advi<="" td=""><td><shipping advice=""></shipping></td><td></td><td>ID</td><td></td><td>21</td></shipping>	<shipping advice=""></shipping>		ID		21
Field		"Shipment Method	<shipment me<="" td=""><td><shipment code="" method=""></shipment></td><td></td><td>Name</td><td>Customer Card</td><td></td></shipment>	<shipment code="" method=""></shipment>		Name	Customer Card	
Field		"Shipping Agent Code"	<shipping age<="" td=""><td><shipping agent="" code=""></shipping></td><td></td><td>Caption</td><td>Customer Card</td><td></td></shipping>	<shipping agent="" code=""></shipping>		Caption	Customer Card	
Field		"Shipping Agent Ser	<shipping age<="" td=""><td><shipping agent="" c<="" service="" td=""><td></td><td>CaptionML</td><td>ENU=Customer Card</td><td></td></shipping></td></shipping>	<shipping agent="" c<="" service="" td=""><td></td><td>CaptionML</td><td>ENU=Customer Card</td><td></td></shipping>		CaptionML	ENU=Customer Card	
Field		"Shipping Time"	<shipping time=""></shipping>	<shipping time=""></shipping>		Editable	<yes></yes>	
Field		"Base Calendar Code"	<base calend<="" td=""/> <td><base calendar="" code=""/></td> <td></td> <td>Description</td> <td>\diamond</td> <td></td>	<base calendar="" code=""/>		Description	\diamond	
Field		CalendarMgmt.Cust	Customized Ca	Customized Calendar		Permissions	<undefined></undefined>	
Group	Group		<control1907< td=""><td>Foreign Trade</td><td></td><td>PageType</td><td>Card</td><td></td></control1907<>	Foreign Trade		PageType	Card	
Field		"Currency Code"	<currency co<="" td=""><td><currency code=""></currency></td><td></td><td>InstructionalTextML</td><td><undefined></undefined></td><td></td></currency>	<currency code=""></currency>		InstructionalTextML	<undefined></undefined>	
Field		"Language Code"	<language co<="" td=""><td><language code=""></language></td><td></td><td>CardPageID</td><td><undefined></undefined></td><td></td></language>	<language code=""></language>		CardPageID	<undefined></undefined>	
Field		"VAT Registration No."	<vat registra<="" td=""><td><vat no.="" registration=""></vat></td><td></td><td>DataCaptionExpr</td><td><undefined></undefined></td><td></td></vat>	<vat no.="" registration=""></vat>		DataCaptionExpr	<undefined></undefined>	
Container	FactBoxArea		<control190000< td=""><td><control190000007></control190000007></td><td></td><td>RefreshOnActivate</td><td>Yes</td><td></td></control190000<>	<control190000007></control190000007>		RefreshOnActivate	Yes	
Part	Page		<sales hist.="" sell<="" td=""><td><sales factbox="" hist.="" sell-to=""></sales></td><td></td><td>PromotedActionCategoriesML</td><td><undefined></undefined></td><td></td></sales>	<sales factbox="" hist.="" sell-to=""></sales>		PromotedActionCategoriesML	<undefined></undefined>	
Part	Page		<sales bill-t<="" hist.="" td=""><td><sales bill-to="" factbox="" hist.=""></sales></td><td></td><td>SourceTable</td><td>Customer</td><td></td></sales>	<sales bill-to="" factbox="" hist.=""></sales>		SourceTable	Customer	
Part	Page		<customer stati<="" td=""><td><customer factbox="" statistics=""></customer></td><td></td><td>SourceTableView</td><td><undefined></undefined></td><td></td></customer>	<customer factbox="" statistics=""></customer>		SourceTableView	<undefined></undefined>	
Part	Page		<dimensions fac<="" td=""><td><dimensions factbox=""></dimensions></td><td></td><td>InsertAllowed</td><td><yes></yes></td><td></td></dimensions>	<dimensions factbox=""></dimensions>		InsertAllowed	<yes></yes>	
Part	Page		<service hist.="" s<="" td=""><td><service factbox="" hist.="" sell-to=""></service></td><td></td><td>ModifyAllowed</td><td><yes></yes></td><td></td></service>	<service factbox="" hist.="" sell-to=""></service>		ModifyAllowed	<yes></yes>	
Part	Page		<service bil<="" hist.="" td=""><td><service bill-to="" factbox="" hist.=""></service></td><td></td><td>DeleteAllowed</td><td><yes></yes></td><td></td></service>	<service bill-to="" factbox="" hist.=""></service>		DeleteAllowed	<yes></yes>	
Part	System		<recordlinks></recordlinks>	<recordlinks></recordlinks>		DelayedInsert	<no></no>	
Part	System		<notes></notes>	<notes></notes>		ShowFilter	<yes></yes>	
Field					Ŧ	MultipleNewLines	<no></no>	
						SaveValues	<no></no>	

FIGURE 3.2: THE CUSTOMER CARD PAGE AND ITS PROPERTIES

Triggers

Certain predefined events that occur to a page or a control can cause the system to execute a user-defined C/AL function. The event and the function together are called a trigger.

Triggers in a page can be divided into the following three categories:

- Page triggers
- Control triggers
- Action triggers

Examples of Page triggers include OnOpenPage that contains statements that run when the page opens, and OnModifyRecord that contains statements that run before the system accepts changes that the user makes to a record. Triggers in a page are edited in the C/AL Editor which is accessed from the Page Designer.

Controls

Use controls to define the layout of a page. Controls can group or arrange other controls or display information on a page. Controls can display data from the following sources:

- A database table field
- The value of a C/AL expression
- Bitmap pictures
- Static information such as a descriptive text
- Other pages
- Predefined system features, such as **Outlook** or **Record Links**

Depending on the page type and their parent controls, certain controls may not be available all the time. For example, use Cues only within CueGroups on activity pages in role centers. Use FastTabs only on Card, ListPlus, and Document pages.

Control Properties

Control Properties determine the behavior and appearance of the control. For example, you can use page control properties to link a field to a specific field in a table, or to determine what happens when you enter information into a field. Different page controls can have different sets of properties. For example, container, group, and field controls each have their own unique sets of properties.

Note: You cannot explicitly specify positioning and sizing of a control. These two characteristics are determined by the client in relationship to other controls present on a page.

The following steps show how to open the Properties window for one of the controls (**General** FastTab) in the **Customer Card** page.

- 1. Design page **21**, **Customer Card**, from the **Object Designer**.
- 2. Select the line of type **Group**, with caption General (the second line from the top in the figure).
- 3. On the **View** menu, click **Properties**, or click the **Properties** button on the Toolbar.
- 4. The **Properties** window opens and shows the properties for the control. Here you can view and change properties for the **General** FastTab.

EType	SubType	SourceExpr	Name	Caption		Property	Value	
Container	ContentArea		<control190000< th=""><th><control190000001></control190000001></th><th></th><th>ID</th><th></th><th>1</th></control190000<>	<control190000001></control190000001>		ID		1
Group	Group		<control1></control1>	General		Name	<control1></control1>	
Field		"No."	<no.></no.>	<no.></no.>		Visible	<true></true>	
Field		Name	<name></name>	<name></name>	Ξ	Enabled	<true></true>	
Field		Address	<address></address>	<address></address>	-	Editable	<true></true>	
Field		"Address 2"	<address 2=""></address>	<address 2=""></address>		Caption	General	
Field		"Post Code"	<post code=""></post>	<post code=""></post>		CaptionML	ENU=General	
Field		City	<city></city>	<city></city>		Description	<>	
Field		"Country/Region Co	<country regi<="" td=""><td><country code="" region=""></country></td><td></td><td>InstructionalTextML</td><td><undefined></undefined></td><td></td></country>	<country code="" region=""></country>		InstructionalTextML	<undefined></undefined>	
Field		"Phone No."	<phone no.=""></phone>	<phone no.=""></phone>		GroupType	<group></group>	
Field		"Primary Contact No."	<primary cont<="" td=""><td><primary contact="" no.=""></primary></td><td></td><td>Layout</td><td><undefined></undefined></td><td></td></primary>	<primary contact="" no.=""></primary>		Layout	<undefined></undefined>	
Field		Contact	<contact></contact>	<contact></contact>		IndentationColumnName	\diamond	
Field		"Search Name"	<search name=""></search>	<search name=""></search>		IndentationControls	<>	
Field		"Balance (LCY)"	<balance (lcy)=""></balance>	<balance (lcy)=""></balance>		FreezeColumnID	\diamond	
Field		"Credit Limit (LCY)"	<credit (<="" limit="" td=""><td><credit (lcy)="" limit=""></credit></td><td></td><td>ShowAsTree</td><td><no></no></td><td></td></credit>	<credit (lcy)="" limit=""></credit>		ShowAsTree	<no></no>	
Field		"Salesperson Code"	<salesperson< td=""><td><salesperson code=""></salesperson></td><td></td><td></td><td></td><td></td></salesperson<>	<salesperson code=""></salesperson>				
Field		"Responsibility Center"	<responsibilit< td=""><td><responsibility center=""></responsibility></td><td></td><td></td><td></td><td></td></responsibilit<>	<responsibility center=""></responsibility>				
Field		"Service Zone Code"	<service td="" zone<=""><td><service code="" zone=""></service></td><td></td><td></td><td></td><td></td></service>	<service code="" zone=""></service>				
Field		Blocked	<blocked></blocked>	<blocked></blocked>				
Field		"Last Date Modified"	<last date="" mo<="" td=""><td><last date="" modified=""></last></td><td></td><td></td><td></td><td></td></last>	<last date="" modified=""></last>				
Group	Group		<control1902< td=""><td>Communication</td><td>-</td><td></td><td></td><td></td></control1902<>	Communication	-			

FIGURE 3.3: THE GENERAL FASTTAB PROPERTIES ON THE CUSTOMER CARD PAGE

Expression as Property Value

Several control properties allow for expressions as their value. This enables dynamic appearance of these controls, depending on the value of the expression. For example, in a page, a field's Visible property value is an expression. You can control the field's visibility by assigning an expression that returns TRUE or FALSE to its Visible property. The default value of properties that accept expression is <TRUE> instead of <Yes>.

Note: Expression properties let you easily control the same behavior of several controls at the same time. By binding the same property, such as **Visible**, to the same Boolean variable, you can toggle visibility of multiple controls from a single line of code. Do not forget to set the **IncludeInDataset** variable property to **Yes**.

Control Triggers

Only controls of type Field have triggers.

The following steps show how to view the triggers for the **No.** field in the Customer Card page.

- 1. Design page **21**, **Customer Card**, from the Object Designer.
- 2. Select the **No.** field (the line that has **SourceExpr** No. the third line from the top) and then do one of the following:
 - Click View > C/AL Code.
 - Click the **C/AL Code** button on the Toolbar.
 - o Right-click the No. field, and then click C/AL Code or press F9.
- The C/AL Editor opens and displays the triggers for the No. field. Here you can write C/AL statements to program certain activities when a specific trigger runs, for example, when the user clicks the AssistEdit(...) button in the No. field.

Note: The triggers for the Customer Card page are also shown together with the triggers for the **No.** field.

EType	SubType	SourceExpr	Name	Caption	∃ <u>No OnValidate()</u>
Container	ContentArea		<control190000< th=""><th><control190000001></control190000001></th><th>▲ No OnLookup(VAR Text : Text) : Boolean</th></control190000<>	<control190000001></control190000001>	▲ No OnLookup(VAR Text : Text) : Boolean
Group	Group		<control1></control1>	General	- HU UILUOKUD(VHK TEXC . TEXC) . BUUTEAN
Field		"No."	<no.></no.>	<no.></no.>	So OnDrillDown()
Field		Name	<name></name>	<name></name>	
Field		Address	<address></address>	<address></address>	■ ■ No OnAssistEdit()
Field		"Address 2"	<address 2=""></address>	<address 2=""></address>	IF AssistEdit(xRec) THEN
Field		"Post Code"	<post code=""></post>	<post code=""></post>	CurrPage.UPDATE:
Field		City	<city></city>	<city></city>	ourrage.orbite,
Field		"Country/Region Co	<country regi<="" td=""><td><country code="" region=""></country></td><td>So OnControlAddIn(Index : Integer;Data : T</td></country>	<country code="" region=""></country>	So OnControlAddIn(Index : Integer;Data : T
Field		"Phone No."	<phone no.=""></phone>	<phone no.=""></phone>	Mu Unconcroimuuin(inuex : inceger;baca : in
Field		"Primary Contact No."	<primary cont<="" td=""><td><primary contact="" no.=""></primary></td><td>□ Name - OnValidate()</td></primary>	<primary contact="" no.=""></primary>	□ Name - OnValidate()
Field		Contact	<contact></contact>	<contact></contact>	
Field		"Search Name"	<search name=""></search>	<search name=""></search>	□ Name - OnLookup(VAR Text : Text) : Boolean
Field		"Balance (LCY)"	<balance (lcy)=""></balance>	<balance (lcy)=""></balance>	S Mane - UNLOOKUP(OHK Text : Text) : BOOLean
Field		"Credit Limit (LCY)"	<credit (<="" limit="" td=""><td><credit (lcy)="" limit=""></credit></td><td>Some - OnDrillDown()</td></credit>	<credit (lcy)="" limit=""></credit>	Some - OnDrillDown()
Field		"Salesperson Code"	<salesperson< td=""><td><salesperson code=""></salesperson></td><td></td></salesperson<>	<salesperson code=""></salesperson>	
Field		"Responsibility Center"	<responsibilit< td=""><td><responsibility center=""></responsibility></td><td>□ Name - OnAssistEdit()</td></responsibilit<>	<responsibility center=""></responsibility>	□ Name - OnAssistEdit()
Field		"Service Zone Code"	<service td="" zone<=""><td><service code="" zone=""></service></td><td>ame - uninssisteuit()</td></service>	<service code="" zone=""></service>	ame - uninssisteuit()
Field		Blocked	<blocked></blocked>	<blocked></blocked>	Same - OnControlAddIn(Index : Integer:Data :)
Field		"Last Date Modified"	<last date="" mo<="" td=""><td><last date="" modified=""></last></td><td>ame - onconcroinduln(index : inceder;baca :</td></last>	<last date="" modified=""></last>	ame - onconcroinduln(index : inceder;baca :
Group	Group		<control1902< td=""><td>Communication</td><td>▼ GAddress - OnValidate()</td></control1902<>	Communication	▼ GAddress - OnValidate()

FIGURE 3.4: THE NO. FIELD TRIGGERS AND THE CUSTOMER CARD PAGE TRIGGERS

Bound and Unbound Pages and Controls

A page is frequently related to a table in a Microsoft Dynamics NAV 2013 database. Use a page to display and manage information from that table. The page is now *bound* to the table.

An unbound page is not related to any table. An example of an unbound page is a RoleCenter page that you use as a starting point for any activity in Microsoft Dynamics NAV 2013.

The controls on a page that are bound to a table are usually bound to fields in the same table. Not every control on the page is bound to a table field. Some controls may be bound to expressions or variables, whereas some controls may be not bound at all. Such controls are called *unbound* controls. An example of an unbound control is a FastTab.



Each page has its own set of actions which show in the ribbon. The ribbon consists of tabs, groups, menus, and actions.

The following figure shows the elements of the ribbon.

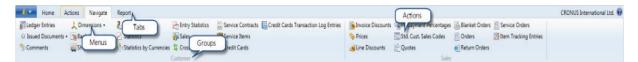


FIGURE 3.5: RIBBON STRUCTURE AND ELEMENTS

By default, the following four tabs are provided: Home, Actions, Navigate, and Report. You can define more tabs while you design the page, and users can define more tabs while they customize the ribbon.

Each tab has one or more groups. Some tabs contain default groups. However, you or the end-user may define other groups. For example, the Home tab has New, Process, and Report groups. The page type may also have Manage, View, and Show Attached groups. However, you can define more groups while you design the page.

The **Home** tab uses its group as containers for the promoted actions. Promoted actions are the most common actions. You can promote actions while you design the page. End-users can demote already promoted actions, or promote actions of their choice.

End-users can fully customize the ribbon, and can add, rearrange, and remove tabs, groups, menus, and actions.

Actions

In the client, buttons that are located in the ribbon are called *actions*. When a user clicks an action, the action starts a specific system-defined activity or runs a trigger.

You create and change actions from the **Action Designer** that is accessed from the **Page Designer**. Actions have their own properties and triggers. These triggers can be accessed from the Action Designer.

Actions can be *page actions* or *control actions*. Page actions are displayed in the ribbon at the top of the page. Most page types support page actions. Control actions are displayed in the control itself, and only the CueGroup control supports control actions.

The following steps show how to open the **Action Designer** and view the properties and triggers of an action in the **Customer Card** page.

- 1. Design page **21**, **Customer Card**, from the **Object Designer**.
- 2. On the **View** menu, click **Page Actions**, or press CTRL+SHIFT+F4.
- 3. The **Action Designer** opens, and shows all the actions in the Customer Card page.

E	Туре	SubType	Name	Caption
	ActionContainer	RelatedInformation	<action190000003></action190000003>	<action190000003></action190000003>
	ActionGroup		<action74></action74>	&Customer
	Action		<page customer="" entries="" ledger=""></page>	Ledger E&ntries
	ActionGroup		<action151></action151>	Issued Documents
	Action		<page issued="" list="" reminder=""></page>	Issued &Reminders
	Action		<page charge="" fin.="" issued="" li<="" memo="" td=""><td>Issued & Finance Charge Memos</td></page>	Issued & Finance Charge Memos
	Action		<page comment="" sheet=""></page>	Co&mments
	Action		<page default="" dimensions=""></page>	Dimensions
	Action		<page account="" bank="" customer="" list<="" td=""><td>Bank Accounts</td></page>	Bank Accounts
	Action		<page address="" list="" ship-to=""></page>	Ship-&to Addresses
	Action		<action14></action14>	C&ontact
	Separator			<action 100=""></action>
	Action		<page customer="" statistics=""></page>	Statistics
	Action		<page by="" currenc<="" customer="" stats.="" td=""><td>Statistics by C&urrencies</td></page>	Statistics by C&urrencies
	Action		<page customer="" entry="" statistics=""></page>	Entry Statistics
	Action		<page customer="" sales=""></page>	S&ales
	Separator			
	Action		<page cross="" references=""></page>	Cross Re&ferences
	Separator			
	Action		<page contracts<="" customer="" service="" td=""><td>Ser&vice Contracts</td></page>	Ser&vice Contracts
	Action		<page items="" service=""></page>	Service &Items



- Select any action (any of the lines), and then click View > Properties. The Properties window opens and shows the properties for the current action.
- 5. Close the **Properties** window.
- 6. Select any action, and then click **View** > **C/AL Code**. The **C/AL Editor** opens and shows the triggers for the current action.

Action Properties

Action properties define where and how the client displays the action in the ribbon, and what the action does when selected by a user. For example, changing the **Promoted** property from **No** to **Yes** promotes an action to the **Actions** tab in the ribbon. This makes it more prominent to end-users.

Action Property	Purpose
Caption	Sets the caption of the action that appears in the client.
Promoted	Promotes an action to the Actions tab.
PromotedIsBig	Increases the size of the action icon in the ribbon, both for the promoted and regular actions.
PromotedCategory	Determines the group in the Actions tab in the ribbon where the action is displayed. There are three system- defined categories to select from: New, Process, or Report. There are seven user-defined categories that can be configured by setting the PromotedActionCategoriesML page property.
Image	Associates an icon with an Action.

The following properties change the way an action is displayed:

Action properties also define the activity that is performed when users click the action, such as the **RunObject**, **RunPageLink**, and **RunPageMode** properties.

Action Triggers

Unlike page and control triggers, there is only one action trigger: the **OnAction** trigger. This trigger runs when a user clicks the action in the ribbon. You typically define the OnAction trigger when **RunObject** property is undefined.

Note: You can define both the OnAction trigger and the RunObject property. If you define both, the client runs both the object that is defined in the RunObject property, and the C/AL code that is defined in the OnAction trigger.

Page Designer

Use **Page Designer** to create new pages and change existing ones. You use Page Designer to define page controls and their relationships. Together they determine the content and the layout of the page. Page Designer also includes the Action Designer that lets you define page actions.

Control Type and Subtype

When you design a page, you specify a hierarchy of page elements and decide which data is displayed by an element. Instead of positioning the controls by specifying the X and Y coordinates, you define the order of the controls. The client determines the exact positioning at runtime. This eliminates pixel-level editing and guarantees a consistent user experience across the application. The core development activity in page design is specifying the contents of the page in relation to the different Microsoft Dynamics NAV page types, such as List, Card, Document, or other page types.

There are several types of controls that can be added to a page. The following list groups controls into several broad categories.

Туре	Purpose
Container	Acts as a placeholder for other controls.
Group	Arranges other controls in a logical manner.
Field	Displays data from a table field, or a value of a variable, constant, or an expression.
Part	Displays another page, a chart, or a system-defined feature, such as Outlook or Record Links .

Container Control

Every page element is a control with a specific type and subtype. Every page has a container control at the root of its control hierarchy. Following are three subtypes of container:

Subtype	Purpose
ContentArea	Is a topmost element of every page type, except for role centers.
RoleCenterArea	Replaces the ContentArea on pages of type RoleCenter.
FactboxArea	Contains FactBox controls in a page.

Every page must have at least one container control as the topmost element.

Group Control

Use group controls to group several other controls together. Following are the five group subtypes:

Subtype	Purpose
Group	Groups fields into FastTabs in card pages, or groups several controls together.
Repeater	Presents data in a tabular format, such as in list page.
CueGroup	Create Cues, such as in the SO Processor Activities page.

Subtype	Purpose
FixedLayout	Puts fields in a table or matrix-like configuration that has a row and column headings. You can only set up fields on a column-by-column basis. You typically use the FixedLayout control to display statistical data in a FastTab or information in the details section of a Worksheet page. FixedLayout shows captions as a heading to the rows and columns. You cannot specify a heading for each field. Fields cannot span rows and columns. Fields are noneditable and are displayed without a border.
GridLayout	Puts fields in a uniform grid. When you set up a grid layout, you can decide to set up fields in a row-by-row or a column-by-column configuration. With GridLayout, captions are shown to the left or above each field, fields can span rows and columns, and fields appear with borders, exactly like in a FastTab control.

Note: To learn more about the differences between the FixedLayout and the GridLayout controls, refer to the Microsoft Dynamics NAV Developer and IT Pro Help.

Field Control

Field control does not have a subtype, and is always used to display a value. The value that is displayed in a field control can come from any of the following sources:

- A database table field
- The value of a C/AL expression
- Bitmap pictures
- Static information, such as a descriptive text

Note: When entering data in a page, users can press Enter to move between fields. You can control which fields are skipped by setting the **QuickEntry** property. By default this property is set to TRUE. If you set it to FALSE, this property prevents the field from having focus when a user repeatedly presses Enter.

Part Control

Use part control to display another page or system data as a part of the current page. Following are the three subtypes of part control:

Subtype	Purpose
Page	Displays another page as a part of a parent page. Examples of page parts are lines in document pages, a FactBox list part, or card part pages. You specify the page to display by using the PagePartID property.
Chart	Displays a chart from the data that is contained in a table, or based on the results of a query. You specify the system part by using the SystemPartID property.
System	Displays a system part, such as Outlook , Notes , MyNotes , or RecordLinks . You specify the chart to be displayed by using the ChartPartID property.

Linking Pages and Page Parts

Pages and page parts are usually linked so that the page part shows additional information about the record that is currently shown in the main page. For example, the **Sell-to Customer Sales History** FactBox in the **Customer List** page always displays the sales history for the customer who is currently selected in the list.

Use the following properties to set the link between the page and its page part:

Property	Purpose
SubPageView	Sets a specific table view that is applied to the page part. You can choose the key, the sorting order, and the table filter that are applied to the page part.
SubPageLink	Sets up a link between the main page, and the page part. The link lets you filter the page part by field values on the main page, and to apply additional page filters.

Action Designer

Design page and control actions by using **Action Designer**. Action Designer is very similar to page designer: it groups actions into containers and groups of different subtypes. Access both page and control action designers from the **View** menu. **Page Actions** opens the action designer for the page actions, and **Control Actions** opens the action designer for the currently selected control. **Note: Control Actions** is only enabled for groups of **CueGroup** subtype, and is disabled for all other control types.

When a page is displayed, page actions are positioned in a different tab and group in the ribbon, depending on the action container and group to which they belong. Control actions are positioned next to the cues.

The following figure shows how the actions are displayed in a CueGroup control.

For Release	5	Control Actions
Sales Quotes - Open	23 Sales Orders - Open	 New Sales Quote New Sales Order
Sales Orders F	Released Not S	hipped
6 Ready to Ship	0 Partially Shipped	Navigate Delayed
Returns		
Sales Return Orders - All	Sales Credit Memos - All	e New Sales Return Order e New Sales Credit Memo

FIGURE 3.7: CUEGROUP CONTROL ACTIONS

Action Type and Subtype

Following are the three types of action in page objects:

- Action Container
- Action
- Action Group

Action Container

Action Container is the top level element in the hierarchy and must always have a subtype. Other action types that are located under it do not have subtypes. Use subtypes to decide the location of the action in the page. Depending on the subtype, an action can be put in the following positions in the ribbon or in the navigation pane:

Subtype	Position	Page Type	Figure
NewDocumentItems	In the New Document group, on the Actions tab in the ribbon.	All pages	3.7-1
ActionItems	In the General group, on the Actions tab in the ribbon.	All pages	3.7-2
RelatedInformation	On the Navigate tab. Each group in a RelatedInformation container is displayed as a separate group of the Navigate tab in the ribbon.	All pages	3.8-3
Reports	On the Report tab in the ribbon.	All pages	3.9-4
Homeltems	On the Home menu in the navigation pane.	Role Centers	3.10-5
ActivityButtons	In separate menus in the navigation pane. For example, Posted Documents in the Sales Order Processor role center is an activity button.	Role Centers	3.10-6

Actions that belong to **NewDocumentItems** and **ActionItems** action containers are put on the **Actions** tab.



FIGURE 3.8: ACTION PLACEMENT FOR NEW DOCUMENT ITEMS AND ACTION ITEMS

Actions that pertain to **RelatedInformation** action container are put on the **Navigate** tab.

Home A	ctions Navigate Report							CRONUS International Ltd. 🔞
Ledger Entries O Issued Documents •	Dimensions Contact		Service Contracts 📴 Credit Cards Transaction Log Entries		Prepayment Percentages		Service Orders	
9 Comments	Ship-to Addresses s (Statistics by Currencies	Cross References	Tredit Cards	_s Line Discounts	P Quotes	Return Orders		
		Customer			Sales			

FIGURE 3.9: ACTION PLACEMENT FOR RELATED INFORMATION ACTIONS

Actions that belong to **Reports** action container are put on the **Reports** tab.

Home Ac	ctions Navigate	Report				
Customer List	Custome	r - Summ anı Anion	Customer - Order Detail	Customer/Item Sales	Customer - Sales List	Customer - Trial Balance
🔁 Customer Register	Custome	r Detailet 4	Customer - Top 10 List	Statement	Aged Accounts Receivable	Customer - Payment Receipt
🔛 Customer - Detail Tri	al Bal. 🔝 Custome	r - Order Summary	Sales Statistics	👔 Reminder	Customer - Balance to Date	
			Gen	eral		

FIGURE 3.10: ACTION PLACEMENT FOR REPORTS ACTIONS

Actions that pertain to **Homeltems** and **ActivityButtons** containers are put in the navigation pane.

🔾 🗢 📄 CRONUS Inte	rnational Ltd. 🕨 He	ome Customers							49	Search (Ctrl+F3)	
Home Actions	Navigate Rep	ort								CRONUS Inte	ternational Lt
Customer List	Customer - Summ	ary Aging 🔡 Customer - Order	Detail 🔡 Cu	stomer/Item	Sales 🔡 Custon	ner - Sales List 🔡 Custom	er - Trial Balance				
Customer Register	Customer Detailed	d Aging 🛛 🔝 Customer - Top 1	0 List 🛛 🔝 St	tement	🔛 Aged A	Accounts Receivable 🛛 🔯 Custome	er - Payment Receipt				
Customer - Detail Trial Bal.	Customer - Order	Summary 🔝 Sales Statistics	🚞 Re	minder	🔂 Custon	ner - Balance to Date					
			General								
Role Center	Customers	•						Type to filter (F3) No.	• > •	Sell-to Customer Sa	al 🔺
Sales Orders	Sorting: No	- <u>9</u> 1-							No filters applied		
Sales Quotes	No.									Customer No.: Quotes:	01905893
Blanket Sales Orders	NO.	ivame	Center	Code	Phone No.	Contact	Name		<u> </u>	Blanket Orders:	
Sales Invoices	01121212	Spotsmeyer's Furnishings		YELLOW		Mr. Mike Nash	SPOTSME		-	Orders:	0
ales Return Orders ales Credit Memos	01445544	Progressive Home Furnishin		YELLOW		Mr. Scott Mitchell	PROGRESS		-	Invoices:	0
tems	01454545	New Concepts Furniture		YELLOW		Ms. Tammy L. McDonald	NEW CON			Return Orders:	0
Customers	01905893	Candoxy Canada Inc.		YELLOW		Mr. Rob Young	CANDOXY			Credit Memos: Pstd. Shipments:	
em Journals	01905899	Elkhorn Airport		YELLOW		Mr. Ryan Danner	ELKHORN			Pstd. Invoices:	
ales Journals	01905902	London Candoxy Storage C		YELLOW		Mr. John Kane	LONDON			Pstd. Return Rece	
Cash Receipt Journals	10000	The Cannon Group PLC	BIRMINGH	BLUE		Mr. Andy Teal	THE CAN			Pstd. Credit Mem	
	20000	Selangorian Ltd.				Mr. Mark McArthur	SELANGO			Customer Statistics	
5	20309920	Metatorad Malaysia Sdn Bhd		YELLOW		Mrs. Azleen Samat	METATOR			Customer No.:	0190589
	: 20312912	Highlights Electronics Sdn B		GREEN		Mr. Mark Darrell Boland	HIGHLIGH			Balance (LCV):	0,0
	20339921	TraxTonic Sdn Bhd		YELLOW		Mrs. Rubina Usman	TRAXTONI			Sales	
	21233572	Somadis		YELLOW		M. Syed ABBAS	SOMADIS			Outstanding Ord	0,0
	21245278	Maronegoce		BLUE		Mme. Fadoua AIT MOUSSA	MARONEG			Shipped Not Inv	0,0
	21252947	ElectroMAROC		YELLOW			ELECTRO			Outstanding Inv	0,0
	27090917	Zanlan Corp.		YELLOW		Mr. Derik Stenerson	ZANLAN C			Service Outstanding Ser	0,0
	27321782	Karoo Supermarkets		YELLOW		Mr. Pieter Wycoff	KAROO SU			Serv Shipped No	0,0
	27489991	Durbandit Fruit Exporters		YELLOW		Mr. Eric Lang	DURBANDI			Outstanding Ser	0.0
	30000	John Haddock Insurance Co.				Miss Patricia Doyle	JOHN HA			Total (LCY):	0,0
Home	31505050	Woonboulevard Kuitenbrou		YELLOW		Maryann Barber	WOONBO			Credit Limit (LCY):	0,0
	31669966	Meersen Meubelen		YELLOW		Michael Vanderhyde	MEERSEN			Overdue Amount	0,0
Posted Documents 6	31987987	Candoxy Nederland BV		YELLOW		Rob Verhoff	CANDOXY			Total Sales (LCY):	0,0
Departments	32124578	Nieuwe Zandpoort NV		YELLOW		Kevin Verboort	NIEUWE Z			Links	
	32656565	Antarcticopy		YELLOW		Michael Zeman	ANTARCTI			Link Address	Desc
	32789456	Lovaina Contractors		YELLOW		Hans Visser	LOVAINA		-		

FIGURE 3.11: ACTION PLACEMENT FOR HOME ITEMS AND ACTIVITY BUTTONS ACTIONS

Action containers must be unique in a page. There cannot be two action containers with the same subtype. For example, there can be only one action container with the **Reports** subtype.

Action container must not be indented. Other actions under the action container must be indented one level or more, depending on placement in the hierarchy.

Action Group

Use Action Groups to group several related actions. For example, in **Customer List** page, several actions that show different information about a particular customer (**Ledger Entries**, **Issued Documents**, and **Bank Accounts**) are grouped into a **Customer** action group.

Action

Action represents a command that users can click to perform any of the following actions:

- Show a page
- Run a report or a codeunit
- Start an XMLport
- Run C/AL code that is defined in the action triggers.

Running Objects from Actions

Actions can run other objects or the C/AL code that is defined in the **OnAction** trigger. Most actions run other objects. To control which object is run and change the behavior of the object running action, specify the following action properties:

Property	Purpose
RunObject	Specifies which object runs when a user clicks the action. The value is a combination of the object type and object name. For example, if you want to run the Sales Order page, you must enter "Page Sales Order" in the RunObject property.
	Note: Actions can run pages, reports, XMLports, and codeunits. When you enter object types, do not enter the full reference, such as "Page Sales Order". Enter only the first letter of the object type, followed by the object ID or the first letters of the object name. For example, entering "P42" or "p sales ord" is acceptable and is replaced automatically with "Page Sales Order".

Property	Purpose
RunPageView	Sets a specific table view that is applied to the page that the action runs. You can select the key, the sorting order, and the table filter that is applied to the target page.
	Note: The user cannot change the table filter that you specify with the RunPageView . The user can add more filters, but cannot take away, or even see, the filters defined in this property.
RunPageLink	Sets up a link between the source page and the target page. The source page contains the action being run; the target page is run by the action. The link lets you filter the target page by field values of the source page and to apply additional page filters.
	Note: In the run time environment, the link is translated into the table filter that is applied to the target page. The user can change the filters set by the RunPageLink property without limitations.
RunPageMode	 Specifies the mode in which the target page runs. The mode can be one of the following types: View: The linked record is shown, and the page is noneditable.
	• Edit : The linked record is shown, and the page is editable.
	• Create : No record is shown, and the page creates a new record as soon as the user starts entering data.
	Note: Users can always change the mode of the page, by clicking the corresponding action from the ribbon.

Preview Mode

In the Microsoft Dynamics NAV Development Environment, you can preview a page directly from **Page Designer** to view how the page will look in the client. Unlike running a page from Object Designer, previewing a page does not start the client. This means that you can keep working in the development environment.

To preview a page, click **View** > **Preview**. This displays the **Page Preview** window.

E1		SubType	SourceExpr		Caption	Home Actions	Navigate Rep	port			
	ontainer	ContentArea			<control190000001> ^</control190000001>		🔿 🥖 Edit	Cash Receipt Journal			
	Group	Group		<control1></control1>	General			T		N 📃 🕬	
-	Field		"No."	<no.></no.>	<no.></no.>	Sales Sales Reminder	View New	Sales Journal	Customer -		
-	Field		Name	<name></name>	<name></name>	Invoice Order	X Delete	Apply Template 🔁 Statistics	Balance to Dat		
-	Field		Address	<address></address>	<address></address>	New	Manage	Process	Report	Show Attached	
-	Field		"Address 2"	<address 2=""></address>	<address 2=""></address>	110.00	manage	Hoceas	nepore	Show Attached	
-	Field		"Post Code"	<post code=""></post>	<post code=""></post>	Edit - Customer Card					
-	Field		City	<city></city>	<city></city>						
-	Field		"Country/Region Code"	<country regi<="" td=""><td><country code="" region=""></country></td><td>General</td><td></td><td></td><td>A ^</td><td>Sell-to Customer Sal</td><td>•</td></country>	<country code="" region=""></country>	General			A ^	Sell-to Customer Sal	•
-	Field		"Phone No."	<phone no.=""></phone>	<phone no.=""></phone>						
-	Field		"Primary Contact No."	<primary cont<="" td=""><td><primary contact="" no.=""></primary></td><td>No.:</td><td></td><td>Contact:</td><td></td><td>Customer No.:</td><td></td></primary>	<primary contact="" no.=""></primary>	No.:		Contact:		Customer No.:	
_	Field		Contact	<contact></contact>	<contact></contact>					Quotes:	
_	Field		"Search Name"	<search name=""></search>	<search name=""></search>	Name:		Search Name:		Blanket Orders:	
_	Field		"Balance (LCY)"	<balance (lcy)=""></balance>	<balance (lcy)=""></balance>	Address:		Balance (LCY):	E	Orders:	
	Field		"Credit Limit (LCY)"	<credit (<="" limit="" td=""><td><credit (lcy)="" limit=""></credit></td><td></td><td></td><td>Credit Limit (LCY):</td><td></td><td>Invoices:</td><td></td></credit>	<credit (lcy)="" limit=""></credit>			Credit Limit (LCY):		Invoices:	
	Field		"Salesperson Code"	<salesperson< td=""><td><salesperson code=""></salesperson></td><td>Address 2:</td><td></td><td>Credit Limit (LCY):</td><td></td><td>Return Orders:</td><td></td></salesperson<>	<salesperson code=""></salesperson>	Address 2:		Credit Limit (LCY):		Return Orders:	
	Field		"Responsibility Center"	<responsibilit< td=""><td><responsibility center=""></responsibility></td><td>Post Code:</td><td>-</td><td>Salesperson Code:</td><td>•</td><td></td><td></td></responsibilit<>	<responsibility center=""></responsibility>	Post Code:	-	Salesperson Code:	•		
	Field		"Service Zone Code"	<service td="" zone<=""><td><service code="" zone=""></service></td><td></td><td></td><td></td><td></td><td>Credit Memos:</td><td></td></service>	<service code="" zone=""></service>					Credit Memos:	
	Field		Blocked	<blocked></blocked>	<blocked></blocked>	City:	•	Responsibility Center:	-	Pstd. Shipments:	
	Field		"Last Date Modified"	<last date="" mo<="" td=""><td><last date="" modified=""></last></td><td>Country/Region Code:</td><td>-</td><td>Service Zone Code:</td><td>-</td><td>Pstd. Invoices:</td><td></td></last>	<last date="" modified=""></last>	Country/Region Code:	-	Service Zone Code:	-	Pstd. Invoices:	
	Group	Group		<control1902< td=""><td>Communication</td><td>Country/ Region Code:</td><td></td><td></td><td></td><td>Pstd. Return Rece</td><td></td></control1902<>	Communication	Country/ Region Code:				Pstd. Return Rece	
	Field		"Phone No."	Phone No.2	<phone no.=""></phone>	Phone No.:	Ś	Blocked:	-	Pstd. Credit Mem	
	Field		"Fax No."	<fax no.=""></fax>	<fax no.=""></fax>	Primary Contact No.:		Last Date Modified:			
	Field		"E-Mail"	<e-mail></e-mail>	<e-mail></e-mail>	Primary Contact No.:	•			Bill-to Customer Sal	^
	Field		"Home Page"	<home page=""></home>	<home page=""></home>					Customer No.:	
	Field		"IC Partner Code"	<ic c<="" partner="" td=""><td><ic code="" partner=""></ic></td><td>Communication</td><td></td><td></td><td>^</td><td></td><td></td></ic>	<ic code="" partner=""></ic>	Communication			^		
	Group	Group		<control1905< td=""><td>Invoicing</td><td></td><td></td><td></td><td></td><td>Quotes:</td><td></td></control1905<>	Invoicing					Quotes:	
	Field		"Bill-to Customer No."	<bill-to custo<="" td=""><td><bill-to customer="" no.=""></bill-to></td><td>Phone No.:</td><td>Ś</td><td>Home Page:</td><td>•</td><td>Blanket Orders:</td><td></td></bill-to>	<bill-to customer="" no.=""></bill-to>	Phone No.:	Ś	Home Page:	•	Blanket Orders:	
	Field		"Invoice Copies"	<invoice copi<="" td=""><td><invoice copies=""></invoice></td><td>Fax No.:</td><td></td><td>IC Partner Code:</td><td>•</td><td>Orders:</td><td></td></invoice>	<invoice copies=""></invoice>	Fax No.:		IC Partner Code:	•	Orders:	
	Field		"Invoice Disc. Code"	<invoice disc<="" td=""><td><invoice code="" disc.=""></invoice></td><td>Pax INU.:</td><td></td><td>ic Partier Code:</td><td>-</td><td>Invoices:</td><td></td></invoice>	<invoice code="" disc.=""></invoice>	Pax INU.:		ic Partier Code:	-	Invoices:	
	Field		"Copy Sell-to Addr. to Q	<copy sell-to<="" td=""><td><copy addr.="" qte<="" sell-to="" td="" to=""><td>E-Mail:</td><td></td><td></td><td></td><td>Return Orders:</td><td></td></copy></td></copy>	<copy addr.="" qte<="" sell-to="" td="" to=""><td>E-Mail:</td><td></td><td></td><td></td><td>Return Orders:</td><td></td></copy>	E-Mail:				Return Orders:	
	Field		"Gen. Bus. Posting Group"	<gen. bus.="" po<="" td=""><td><gen. bus.="" group="" posting=""></gen.></td><td></td><td></td><td></td><td></td><td>Credit Memos:</td><td></td></gen.>	<gen. bus.="" group="" posting=""></gen.>					Credit Memos:	
	Field		"VAT Bus. Posting Group"	<vat bus.="" pos<="" td=""><td><vat bus.="" group="" posting=""></vat></td><td>Invoicing</td><td></td><td></td><td>• •</td><td>Pstd. Shipments:</td><td></td></vat>	<vat bus.="" group="" posting=""></vat>	Invoicing			• •	Pstd. Shipments:	
	Field		"Customer Posting Group"	<customer po<="" td=""><td><customer group="" posting=""> +</customer></td><td></td><td></td><td></td><td></td><td>r stur simprirents:</td><td></td></customer>	<customer group="" posting=""> +</customer>					r stur simprirents:	

The **Page Preview** window shows how the page looks in the client.

FIGURE 3.12: PAGE PREVIEW WINDOW

The Page Preview window includes the following features:

- The **Page Preview** window is updated automatically as you make changes in **Page Designer** and **Action Designer**. When you design a page, you can have the page preview open next to **Page Designer** so that you can see changes as you make them.
- The Page Preview window is interactive. You can use the Page Preview window to identify and learn which controls in Page Designer and Action Designer correspond to different elements on the rendered page, such as FastTabs, FactBoxes, fields, and actions.
- You do not need to save the page before viewing it in the **Page Preview** window.

Use the **Page Preview** window to quickly access objects on the page. This includes controls and actions. When you select a control in the **Page Preview** window, the same control is selected automatically in the **Page Designer**. When you select an action in the **Page Preview** window, the **Action Designer** window opens, and the same action is selected automatically in the **Action Designer**.

When you select a control or an action in the **Page Designer** or **Action Designer**, a blue frame is shown around the same control or action in the **Page Preview** window.

If you right-click a control or an action in the **Page Preview** window, a popup menu opens that lets you choose from the following actions:

- To open the **Properties** window for the selected object, click **Properties**.
- To open the **C/AL Editor** window for the selected object, click **C/AL Code**. This opens the C/AL Editor and focuses the triggers for the selected control or action.
- To open the **Page Editor** for a page part, such as FactBox or Lines part in a document, click **Go To Definition**.

Demonstration: Explore the Page Designer

The following demonstration shows how to create a simple page, add basic controls and actions to the page, and how to use their properties.

Demonstration Steps

- 1. Create a blank page.
 - a. In Object Designer, click Page.
 - b. In the pages list, click **New**. The **New Page** window opens.
 - c. Click **OK** to create a blank page. The **Page Designer** window opens.
 - d. Click File > Save to save the page. The Save As dialog box opens.
 - e. In the ID field, enter "90001".
 - f. In the **Name** field, enter "Custom Page", then verify that the **Compiled** check box is selected
 - g. Click **OK** to compile and save the page.
 - h. Close Page Designer.
 - In the Object Designer, locate and select the page 90001,
 Custom Page, and then click Run. This opens the Custom Page in the client for Windows.
 - j. Close the **Custom Page** window in the client.

View - Custom Page

This is how the page 90001, **Custom Page**, looks like now.

FIGURE 3.13: PAGE 90001, CUSTOM PAGE

- 2. Select the card page type and specify **Item** as the source table.
 - a. In **Object Designer**, make sure that page 90001, **Custom Page** is selected.
 - b. Click **Design** to open the **Page Designer**.
 - c. On the **View** menu, click **Properties**, to open the Properties window for the page.
 - d. Set the following properties:

Property	Value
РадеТуре	Card
SourceTable	Item

- e. Close the **Properties** window.
- f. Compile, save and close the page.
- g. Run page 90001, **Custom Page**.

After you set the **SourceTable** property, the page is bound, and shows the **No**. and **Name** field values of the first **Item** in the database.

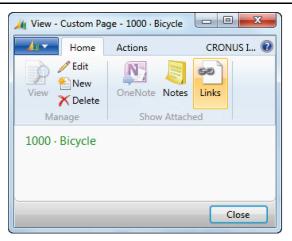


FIGURE 3.14: CUSTOM PAGE AFTER YOU SET THE SOURCETABLE PROPERTY

- h. Close the Custom Page window in the client.
- 3. Add a container to the page, and start the preview mode.
 - a. In **Object Designer**, select page 90001, **Custom Page**, and then click **Design** to open the **Page Designer**.
 - b. Type the following on the first line of the **Page Designer**:

Туре	SubType	Name
Container	ContentArea	Custom Page

c. On the **View** menu, click **Preview** to open the **Page Preview** window for the page 90001, **Custom Page**.

The Page Preview window shows how the page is rendered in the client.

E Type	SubType	SourceExpr	Name	Caption		
Container	ContentArea		Custom Page	<custom page=""></custom>	Home Actions	
		_	-	-	🔜 🖉 Edit 🛛 💽 🚕	
					New New	
					View Conervote Notes Links	
					Manage Show Attached	
					Edit - Custom Page	
4						
•						

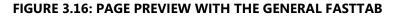
FIGURE 3.15: PAGE DESIGNER WITH THE PAGE PREVIEW WINDOW

- 4. Add the group control for the **General** FastTab.
 - a. In the **Page Designer** window, go to the next blank line. The line automatically indents.
 - b. Type the following:

Туре	SubType	Name
Group	Group	General

The Page Preview window updates to show the General FastTab.

📆 Page 90001 Custom	n Page - Page Design	er			📾 Page 90001 Custom Page - Page Preview	
E Type	SubType ContentArea	SourceExpr	Name Custom Page	Caption <custom page=""></custom>	Home Actions	0
	Group		<control2></control2>	General	Verwer Cotes Verwage Edit - Custon Page General	
•				Breview Help		ОК



- 5. To the General FastTab, add field controls for No., Description, Costing Method, Profit %, and Picture fields.
 - a. In **Page Designer**, select the next blank line. The line automatically indents.
 - b. Click View > Field Menu to display the Field Menu window.
 - c. In the **Field Menu** window, select the following fields while holding down the Ctrl key:
 - No.
 - Description
 - Costing Method
 - Profit %
 - Picture.
 - d. In the Field Menu, click OK.
 - e. Click **Yes** In the dialog box that asks you if you want to add fields to the page.
 - f. The fields are added and indented under the **General** group.

	ype	SubType	SourceExpr	Name	Caption		Home	Actions			
	Container	ContentArea		Custom Page	<custom page=""></custom>	~		Actions			
-	Group	Group		<control2></control2>	General		🖃 🏑 🦯 Edit	N 🧧 🕫			
	Field		"No."	<no.></no.>	<no.></no.>		P New				
	Field		"Description"	<description></description>	<description></description>		View X Delete	OneNote Notes Links			
	Field		"Profit %"	<profit %=""></profit>	<profit %=""></profit>						
	Field		"Unit Cost"	<unit cost=""></unit>	<unit cost=""></unit>		Manage	Show Attached			
	Field		"Picture"	<picture></picture>	<picture></picture>		Edit - Custom Pa	ige			
							General				
							No.:		Picture:		
						-	Description:		Ficture.		
							Profit %:				
							Unit Cost:				
						_					
										Right-click the image for options.	
										regen enen die meige for opnomi	
						- 1					
						- 1					
						-					
1											

The Page Preview window updates to include the field controls.



- 6. Set the properties on the **Profit %** field control to show the progress indicator.
 - a. In Page Preview window, right-click the Profit % field.
 - b. In the pop-up menu, click **Properties** to open the **Properties** window for the **Profit %** field.
 - c. Set the **ExtendedDataType** property value to **Ratio**.
 - d. Save, compile, and close the page.
 - e. Run page 90001, **Custom Page**.

Custom Page opens in the client for Windows, and shows the values for the first **Item** in the database.

My View - Custom Page - 1000 · Bicycle	
Home Actions	CRONUS International Ltd. 🕢
Go to Gerresh Clear Filter ▷ Next Page	
1000 · Bicycle	
General	^
No.: 1000 Pictur Description: Bicycle Profit %: 91%	e
Unit Cost: 350,594	
	Right-click the image to copy or save.
	Close



f. Close the **Custom Page** window in the client.

- Add a FixedLayout control that shows Inventory, Qty. on Purch.
 Order, Qty. on Prod. Order, Qty. on Component Lines, Qty. on Sales Order, and Qty. on Service Order fields in a single row.
 - a. In the **Object Designer**, select page **90001**, **Custom Page**, and then click **Design**.

Туре	SubType	SourceExpr	Caption	Indent
Group	Group		Details	1
Group	FixedLayout			2
Group	Group		Inventory	3
Field		Inventory	Quantity on	4
Group	Group		Purch. Order	3
Field		"Qty. on Purch. Order"		4
Group	Group		Prod. Order	3
Field		"Qty. on Prod. Order"		4
Group	Group		Component Lines	3
Field		"Qty. on Component Lines"		4
Group	Group		Sales Order	3
Field		"Qty. on Sales Order"		4
Group	Group		Service Order	3
Field		"Qty. on Service Order"		4

b. Select the last blank line. On the next lines type the following:

Note: The Indent column represents how many levels each row is indented. To set the indent level, use the **Left** and **Right** indent buttons at the bottom of the **Page Designer** window.

The Page Preview window updates to show the Details FastTab with the FixedLayout control.

Module 3: Pages

		Page - Page Design				je 90001 Custom Page - Page Preview	
ET)		SubType	SourceExpr	Name	Caption	Home Actions	
	ontainer	ContentArea		Custom Page	<custom page=""> ^</custom>		
	Group	Group		<control2></control2>	General	Edit 💦 🧧 🚥	
	Field		"No."	<no.></no.>	<no.></no.>		
	Field		Description	<description></description>	<description></description>	ew Delete OneNote Notes Links	
	Field		"Profit %"	<profit %=""></profit>	<profit %=""></profit>		
	Field		"Unit Cost"	<unit cost=""></unit>	<unit cost=""></unit>	Manage Show Attached	
	Field		Picture	<picture></picture>	<picture></picture>	lit - Custom Page	
	Group	Group		<control8></control8>	Details	it - custom rage	
	Group	FixedLayout		<control9></control9>	<control9></control9>	eneral	
	Group	Group		<control10></control10>	Inventory	116101	
	Field		Inventory	<inventory></inventory>	Quantity on	Pic	
Ξ	Group	Group		<control12></control12>	Purch. Order		
	Field		"Qty. on Purch. O	<qty. on="" p<="" td=""><td></td><td>De</td><td></td></qty.>		De	
	Group	Group		<control14></control14>		Pro 0%	
	Field		"Qty. on Prod. Or	<qty. on="" p<="" td=""><td></td><td></td><td></td></qty.>			
	Group	Group		<control16></control16>	Component Lines	Jni	
	Field		"Qty. on Compone	<qty. c<="" on="" td=""><td></td><td></td><td></td></qty.>			
	Group	Group		<control18></control18>	Sales Order		
	Field		"Qty. on Sales Or	<qty. on="" s<="" td=""><td><qty. on="" order="" sales=""></qty.></td><td></td><td></td></qty.>	<qty. on="" order="" sales=""></qty.>		
•	Group	Group		<control20></control20>	Service Order		
	Field		"Qty. on Service	<qty. on="" s<="" td=""><td><qty. on="" order="" service=""></qty.></td><td></td><td></td></qty.>	<qty. on="" order="" service=""></qty.>		
0	Field						
						Right-clic	tk the image for options.
						etails	
						rtalis	
						Inventory Purch. Order Prod. Order Component Lines Sales Orde	ler Service Order
						Qu	
					*		
•	_				• •		
							OK
				+ + +	Preview Help		

FIGURE 3.19: FIXEDLAYOUT CONTROL IN THE PAGE DESIGNER

- c. Compile, save, and close the page.
- d. Run the page 90001, **Custom Page**.

FixedLayout control shows noneditable fields without captions and borders, as shown in the Custom Page window.

🕌 View - Custom P	age - 1000 · Bicycle						
Home Home	Actions					CRONUS Intern	national Ltd. 🤅
View Kanage	OneNote Notes Li	nks					
1000 · Bicycle							
General							^
No.:	1000				Picture:		
Description:	Bicycle						
Profit %:	91%						
Unit Cost:		350,59	94				
						Right-click the image to copy or s	ave.
Details							^
Quantity on:	Inventory	Purch. Order 18	Prod. Order 0	Component Lines 44	Sales Order 0	Service Order 106	0
							Close

FIGURE 3.20: FIXEDLAYOUT IN THE CLIENT FOR WINDOWS

- 8. Add an action to run the report 701, **Inventory List**.
 - a. In the **Object Designer**, select page 90001, **Custom Page**, and then click **Design**.
 - b. On the **View** menu, click **Preview** to open the **Page Preview** window.
 - c. On the **View** menu, click **Page Actions** to open the **Action Designer** window.

Туре	SubType	Caption
ActionContainer	Reports	

- d. In the first blank line, enter the following information:
- e. Go to the next blank line. The page element automatically indents.
- f. Enter the following information:

Туре	SubType	Caption
Action		Inventory - List

The **Page Preview** window automatically updates to show the **Reports** tab in the ribbon, with **Inventory – List** action.

ge 90001 Custom P	age - Page Designe	1			3	Page 9000	01 Custom Pa	ge - Page I	Preview					
Type Gontainer	SubType ContentArea	SourceExpr	Name Custom Page	Caption <custom page=""></custom>		A I*	Home A	lctions	Report					
B Group	Group		<control2></control2>	General										
Field		"No."	<no.></no.>	<no.></no.>										
Field		Description	<description></description>	<description></description>		Inventory	·							
Field		"Profit %"	<profit %=""></profit>	<profit %=""></profit>		- List								
Field		"Unit Cost"	<unit cost=""></unit>	<unit cost=""></unit>		General								
ge - Action Designe	н	Rahar	Aug		3		Custom Pag	e						
Type	SubType	Name		Caption		Genera	il .							
ActionContaine	r Reports	<action22< td=""><td></td><td><action22></action22></td><td></td><td>No.:</td><td></td><td></td><td></td><td></td><td></td><td>Pic</td><td>-</td><td></td></action22<>		<action22></action22>		No.:						Pic	-	
Action		<action23< td=""><td>></td><td>Inventory - List</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>PIC</td><td></td><td></td></action23<>	>	Inventory - List								PIC		
						De								
						Pro	0%							
							0.0							
						Uni								
													Right-click the in	hage for options.
						Details								
						Decomo								
							Inventory		Purch. Order	Prod. Order	Componen	nt Lines	Sales Order	Service Order
						Qu								
					-									
•		m		•										
			++ ++	Separator Help										
-														0
			+ + ↓	Preview Help										

FIGURE 3.21: PAGE PREVIEW WITH ACTIONS

g. In **Page Preview** window, right-click the **Inventory – List** action, and then in the pop-up menu click **Properties**.

h. Set the following properties:

Property	Value		
Image	Report		
Promoted	Yes		
PromotedCategory	Report		
PromotedIsBig	Yes		
RunObject	Report Inventory - List		

i. Close the **Properties** window, and then close the **Action Designer** window.

The **Page Preview** window updates to show the **Inventory – List** report in the **Report** group on the **Home** tab in the ribbon.

Typ	e	SubType	SourceExpr	Name	Caption	4-							
	ntainer	ContentArea		Custom Page	<custom page=""> ^</custom>		Home		Report				
	Froup	Group		<control2></control2>	General		/ Edit		N	60			
	Field		"No."	<no.></no.>	<no.></no.>	8	* New	i da	- <u></u>				
	Field		Description	<description></description>	<description></description>	View		Inventory	OneNote N	otes Links			
	Field		"Profit %"	<profit %=""></profit>	<profit %=""></profit>		X Delet						
	Field		"Unit Cost"	<unit cost=""></unit>	<unit cost=""></unit>	N	lanage	Report	Show A	ttached			
	Field		Picture	<picture></picture>	<picture></picture>	E 10							
	roup	Group		<control8></control8>	Details	Edit	- Custom	i Page					
8	Group	FixedLayout		<control9></control9>	<control9></control9>	Gene	and the second						
8	Group	Group		<control10></control10>	Inventory	Gene	eral						
	Field		Inventory	<inventory></inventory>	Quantity on	No.:	_				Pic		
8	Group	Group		<control12></control12>	Purch. Order	INO.:					PIC		
	Field		"Qty. on Purch. O	<qty. on="" p<="" td=""><td><qty. on="" order="" purch.=""></qty.></td><td>De</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></qty.>	<qty. on="" order="" purch.=""></qty.>	De							
8	Group	Group		<control14></control14>	Prod. Order								
	Field		"Qty. on Prod. Or	<qty. on="" p<="" td=""><td><qty. on="" order="" prod.=""></qty.></td><td>Pro.</td><td>-</td><td>0%</td><td></td><td></td><td></td><td></td><td></td></qty.>	<qty. on="" order="" prod.=""></qty.>	Pro.	-	0%					
8	Group	Group		<control16></control16>	Component Lines	Uni.							
	Field		"Qty. on Compone	<qty. c<="" on="" td=""><td><qty. component="" li<="" on="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></qty.></td></qty.>	<qty. component="" li<="" on="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></qty.>								
1	Group	Group		<control18></control18>	Sales Order								
	Field		"Qty. on Sales Or	<qty. on="" s<="" td=""><td><qty. on="" order="" sales=""></qty.></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></qty.>	<qty. on="" order="" sales=""></qty.>								
3	Group	Group		<control20></control20>	Service Order								
	Field		"Qty. on Service 🚛	<qty. on="" s<="" td=""><td><qty. on="" order="" service=""></qty.></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></qty.>	<qty. on="" order="" service=""></qty.>								
												Right-click the i	mage for options.
						Deta	ils						
						Qu.	Invent	ory	Purch. Order	Prod. Order	Component Lines	Sales Order	Service Order
													Ok

FIGURE 3.22: PROMOTED ACTION ON THE HOME TAB OF THE RIBBON

- j. Compile, save and close the page.
- k. Run page 90001, Custom Page.

The final look of the page 90001, **Custom Page**, in the client for Windows.

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🔌 View - Custom P	age - 1000 · Bi	cycle							- 0 - X
Home Home	Actions	Report						CRONUS Inter	national Ltd. 🔞
View Celit View Celete Manage	Item Turnover Process	Inventory - List Report	OneNote Notes						
1000 · Bicycle									
General									^
No.: Description: Profit %:	1000 Bicycle 91%						Picture:		
Unit Cost:			Ξ	50,594					
								Right-click the image to copy or s	ave.
Details									^
Quantity on:	Inventory	1	Purch. Order	Prod. C 0	Order 44	Component Lines	Sales Order 0	Service Order 106	0
									Close

FIGURE 3.23: FINISHED PAGE 90001, CUSTOM PAGE

- I. Close the Custom Page window in the client.
- 9. Add an action to run the page 158, **Item Turnover**.
 - a. In the **Object Designer**, select page 90001, **Custom Page**, and then click **Design**.
 - b. On the **View** menu, click **Preview** to open the **Page Preview** window.
 - c. On the **View** menu, click **Page Actions** to open the **Action Designer** window.
 - d. In the first blank line, enter the following information:

Туре	SubType	Caption
ActionContainer	ActionItems	

e. Unindent the ActionItems action container completely.

Note: Page Preview will show a warning about the page specification not being well formed, as long as there are any unsupported settings. Action container that you have added is indented under another action container. This is not a supported configuration. When you correct the indent by unindenting the action container, the Page Preview removes the warning.

f. Go to the next blank line. The page element automatically indents.

g. Enter the following information:

Туре	SubType	Caption
Action		Item Turnover

Note: The **Page Preview** window automatically updates, and shows the new action in the **General** group on the **Actions** tab in the ribbon.

- h. In **Page Preview** window, right-click the **Item Turnover** action, and then in the pop-up menu click **Properties**.
- i. Set the following properties:

Property	Value
Image	ItemAvailability
Promoted	Yes
PromotedCategory	Process
PromotedIsBig	Yes
RunObject	Page Item Turnover

- 10. Set the **Item Turnover** action property to show the turnover for the item that is currently selected in **Custom Page** page.
 - a. In the RunPageLink property, click the AssistEdit button.
 - b. In the Table Filter window, in the Field column, enter "No.", then in the Type column, enter FIELD, and then in the Value column, enter "No.". This establishes the link between the Item Turnover page and the Custom Page page. Therefore, that Item Turnover always shows the turnover for the item shown in the Custom Page page, when run from the Item Turnover action on the Custom Page page.

The **Table Filter** window is used to configure the link between the source page, where the action is shown, and the target page that is run by the action.

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Field	Туре	Value	OnlyMaxL V	alueIsFilter
No.	FIELD	No.		
*•	CONST			
				-

- c. In the Table Filter window, click OK.
- d. Close the **Properties** window for the **Item Turnover** action.
- e. Close the **Action Designer**.
- 11. Compile, save and run the page 90001, **Custom Page**.
 - a. Compile, save and close the page.
 - b. Run page 90001, Custom Page.

The final look of the page 90001, **Custom Page**, in the client for Windows.

Home Home	Actions Report					CRONUS Inter	national Lt
View Kanage	Item Invent Turnover - Lis Process Repo	ory OneNote Notes Link t					
1000 · Bicycle							
General							
No.:	1000]		Picture:		
Description:	Bicycle						
Profit %:	91%						
Unit Cost:		350,594					
						Right-click the image to copy or s	ave.
Details							
	Inventory	Purch. Order	Prod. Order	Component Lines	Sales Order	Service Order	
Quantity on:		18	0	44	0	106	

FIGURE 3.25: FINISHED PAGE 90001, CUSTOM PAGE

c. Close the Custom Page window in the client.

Page Types and Characteristics

One of the most important page properties is the **PageType** property that is used to specify the page type. Page type determines how the page is displayed in the client. It also controls certain behavioral characteristics of the page. Selecting the correct page type when you design pages is very important, because the pages are interpreted differently in the client, depending on their page type. Each page type also uses different sets of controls. This makes page type the most important concept to understand when you design pages.

Lesson Objectives

Examine different page types and their characteristics.

Card Page

A card page enables users to view and edit one record at a time. Use a card page when there are too many fields to view on one line. A card page always uses FastTabs. This is named **General**. It always is displayed first.

Tables that use card pages only have one field in their primary key. This field always is displayed as the first field in the **General** FastTab.

Naming Card Pages

Use the associated table name to name card pages, followed by the word "Card". For example, the card page that is associated with the **Customer** table is named **Customer Card**.

Home Acti	ons Navigate Report	-					CRONUS Inter	national I t
Sales Sales Reminder New	View Delete Manage	oly late 🔁 Sta		ustomer - ince to Date Report		Links		
General	ci s rumannga					^	Sell-to Customer Sal.	. ^
No.: Name:	01121212 Spotsmeyer's Furnishings		Contact: Search Name:	Mr. Mike Ni SPOTSMEY	ish R'S FURNISHINGS		Customer No.: Quotes: Blanket Orders:	01121212 0 0
Address: Address 2:	612 South Sunset Drive		Balance (LCY): Credit Limit (LCY):			0,00	Orders: Invoices:	0
Post Code: City:	US-FL 37125 Miami	-	Salesperson Code: Responsibility Center:	JR	-		Return Orders: Credit Memos: Pstd. Shipments:	0
Country/Region Code:	US 👻	e	Service Zone Code: Blocked:	x	•	•	Pstd. Invoices: Pstd. Return Rece	0
Primary Contact No.:		-	Last Date Modified:	9.5.2012.			Pstd. Credit Mem Customer Statistics -	•
Communication						^	Customer No.: Balance (LCY):	01121212 0,00
Phone No.: Fax No.:		œ	Home Page: IC Partner Code:			•	Sales Outstanding Ord	0,00
E-Mail:	spotsmeyer's.furnishings@cro	n					Shipped Not Inv Outstanding Inv Service	0,00 0,00
nvoicing					FOREIGN	~	Outstanding Ser	0,00
ayments			1M		FOREIGN 2.0 FOR.	~	Serv Shipped No	0,00
hipping oreign Trade				YELLOW	Partial EXW USD	*	Outstanding Ser Total (LCY): Credit Limit (LCY):	0,00 0,00 0,00

FIGURE 3.26: THE CUSTOMER CARD PAGE

List Page

A list page is a multi-record page that enables users to view multiple records from a table at the same time.

The primary key fields of the associated table are displayed in the left-most columns.

Naming List Pages

If you cannot edit the list page, name it with the name of the associated table, followed by the word "List". For example, the list page that is associated with the **Customer** table is named **Customer List**. If you can edit the list page, name it with the plural of the associated table name. For example, the list page associated with the **Currency** table is named **Currencies**.

Hor	me Actions Navigate	Report							CRONUS Int	ernational Ltd
New	🛅 Sales Order 🛛 🧪 Edit			🔝 Customer - Order	Summary 🔝 🔝	Show a	is List 🔰 🛔	One	Note	
Sales Quote	e 🙀 Reminder 🛛 📄 View	Cash Rece	. 💷	🔝 Customer - Top 1	0 List 🔝	👫 Show a	as Chart	Note	5	
Sales Invoid	ce 🗡 Delete	Journal		🔝 Statement			-	Link	;	
1	New Manage	Proce	ess	Repo	ort	Vie	w Sł	ow At	ached	
ustomer Li	st •			Type to filte	er (F3) No.		• > •		Sell-to Customer Sa	al ^
orting: No.	- <u>2</u> -					N	o filters appli	ed	Customer No.:	01121212
No.	Name	Responsi	Location	Phone No.	Contact		Search		Ouotes:	01121212
	- Hunte	Center	Code	i none noi	contact		Name		Blanket Orders:	0
01121212	Spotsmeyer's Furnishings		YELLOW		Mr. Mike Nash		SPOTSME		Orders:	0
01445544	Progressive Home Furnishin		YELLOW		Mr. Scott Mitchell		PROGRESS	=	Invoices:	0
01454545	New Concepts Furniture		YELLOW		Ms. Tammy L. McD	onald	NEW CON		Return Orders: Credit Memos:	0
01905893	Candoxy Canada Inc.		YELLOW		Mr. Rob Young		CANDOXY		Pstd. Shipments:	0
01905899	Elkhorn Airport		YELLOW		Mr. Ryan Danner		ELKHORN		Pstd. Invoices:	0
01905902	London Candoxy Storage C		YELLOW		Mr. John Kane		LONDON		Pstd. Return Rece	0
10000	The Cannon Group PLC	BIRMINGH	BLUE		Mr. Andy Teal		THE CAN		Pstd. Credit Mem	0
20000	Selangorian Ltd.				Mr. Mark McArthu	r	SELANGO		Customer Statistics	^
20309920	Metatorad Malaysia Sdn Bhd		YELLOW		Mrs. Azleen Samat		METATOR		Customer No.:	01121212
20312912	Highlights Electronics Sdn B		GREEN		Mr. Mark Darrell Bo	land	HIGHLIGH		Balance (LCY):	0,00
20339921	TraxTonic Sdn Bhd		YELLOW		Mrs. Rubina Usmar	n	TRAXTONI		Sales	
21233572	Somadis		YELLOW		M. Syed ABBAS		SOMADIS		Outstanding Ord	0,00
21245278	Maronegoce		BLUE		Mme. Fadoua AIT	MOUSSA	MARONEG		Shipped Not Inv	0,00
21252947	ElectroMAROC		YELLOW				ELECTRO		Outstanding Inv Service	0,00
27090917	Zanlan Corp.		YELLOW		Mr. Derik Stenerson	n	ZANLAN C		Outstanding Ser	0.00
27321782	Karoo Supermarkets		YELLOW		Mr. Pieter Wycoff		KAROO SU		Serv Shipped No	0,00
27489991	Durbandit Fruit Exporters		YELLOW		Mr. Eric Lang		DURBANDI		Outstanding Ser	0,00
30000	John Haddock Insurance Co.				Miss Patricia Doyle		JOHN HA		Total (LCY):	0,00
31505050	Woonboulevard Kuitenbrou		YELLOW		Maryann Barber		WOONBO		Credit Limit (LCY):	0,00
31669966	Meersen Meubelen		YELLOW		Michael Vanderhyd	le	MEERSEN		Overdue Amount	0,00
31987987	Candoxy Nederland BV		YELLOW		Rob Verhoff		CANDOXY	-	Total Sales (LCY):	0,00

FIGURE 3.27: THE CUSTOMER LIST PAGE

CardPart Page

Use a CardPart page to display fields or a special control like a picture viewer, in a FactBox. Use a CardPart page to create a single-column FactBox.

Naming CardPart Pages

CardPart pages are named with the associated information, followed by the word FactBox. For example, the CardPart page that displays the sales history of the sell-to customer is named **Sales Hist. Sell-to FactBox**.

Sell-to Customer Sal	Q. •
Customer No.:	10000
Quotes:	0
Blanket Orders:	0
Orders:	4
Invoices:	0
Return Orders:	0
Credit Memos:	0
Pstd. Shipments:	9
Pstd. Invoices:	6
Pstd. Return Rece	1
Pstd. Credit Mem	1

FIGURE 3.28: THE SALES HIST. SELL-TO FACTBOX PAGE

ListPart Page

Use a ListPart page to display subpages for documents. You can also used a ListPart page as a FactBox to display multiple rows and columns from a single table.

Naming ListPart Pages

When ListPart pages are used as FactBoxes, they are named with the associated information, followed by the word "FactBox". For example, the ListPart page that displays the **Dimensions** is named **Dimensions FactBox**. When you use ListPart pages as subpages for documents, name them with the associated document name, followed by the word "Subform" or "Subpage". For example, the ListPart page that displays the lines for the **Sales Order** is named **Sales Order Subform**.

Di	mensions		۹. ۸
ø	🖗 Find		
	Dimens	Dimens	Value P
	BUSINES	HOME	Same Co
	DEPART		Code Ma
	SALESCA		No Code

FIGURE 3.29: THE DIMENSIONS FACTBOX PAGE

The following figure displays the ListPart page when it is used as a subpage in a document.

Lir	nes								
1	🗂 Line 🝷 🖯 🛛	Functions 🔹	🛅 Order 🔹 🕫 Find 🛛 Filter 🏹	Clear Filter					
	Туре	No.	Description	Location Code	Quantity	Reserved Quantity		Unit Price Excl. VAT	Line An Excl
	Item	1928-W	ST.MORITZ Storage Unit/Drawers	GREEN	2		PCS	342,10	1
	Item	1964-W	INNSBRUCK Storage Unit/G.Door	GREEN	1		PCS	292,00	:
	ltem	1976-W	INNSBRUCK Storage Unit/W.Door	GREEN	1		PCS	256,10	
•		1							

FIGURE 3.30: THE SALES ORDER SUBFORM PAGE

Demonstration: Create a Card Page Using a Wizard

This demonstration shows how to perform the following tasks:

- Create a Card page by using the wizard
- Add FastTabs to the card
- Add fields to FastTabs
- Add FactBoxes to the page

Demonstration Steps

- 1. Create a new card page for Vendor table by using the Card Page Wizard.
 - a. In the **Object Designer**, click **Page**.
 - b. Click New to show the New Page window.

- c. In the **Table** field, enter "Vendor", then select the **Create a page using a wizard** option.
- d. Click OK to start the Card Page Wizard.
- e. In the **FastTab Name** list, enter "Invoicing" in the first blank line, and then click **Next**.
- f. Add the following fields to the **General** FastTab:
 - No.
 - Name
 - Address
 - City
 - Country/Region Code
 - Purchaser Code.
- g. Add the following fields to the Invoicing FastTab:
 - Budgeted Amount
 - Invoice Disc. Code
 - Balance (LCY)
 - Purchases (LCY)
 - Inv. Discounts (LCY)
 - Amt. Rcd. Not Invoiced (LCY).
- h. Click Next.
- i. Add the Vendor Details FactBox, and Vendor Statistics Factbox page FactBoxes.
- j. Add the **Open PO per Location** chart FactBox.
- k. Click Finish.
- 2. Set properties on **Vendor Details FactBox** and **Vendor Statistics FactBox** to show the details for the currently displayed vendor.
 - a. In the **Page Designer** window, select the **Vendor Details FactBox** page part.
 - b. Select View > Properties.
 - c. In the **SubPageLink** property, click the **AssistEdit** button.
 - d. In the Table Filter window, set the following values:
 - Field to No.
 - Type to FIELD
 - Value to No
 - e. Click OK.
 - f. Select the Vendor Statistics FactBox page part.
 - g. In the **SubPageLink** property, click the **AssistEdit** button.

- h. In the Table Filter window, set the following values:
 - Field to No.
 - Type to FIELD
 - Value to **No**
- i. Click **OK**.
- 3. Compile, save, and close the page.
 - a. On the File menu, click Save. The Save As dialog box opens.
 - b. In the Save As dialog box, in the ID field, enter "90002".
 - c. In the Name field, enter "Vendor Card New".
 - d. Make sure that the **Compiled** check box is selected, and then click **OK**.
 - e. Close the Page Designer window.
- 4. Run page 90002, Vendor Card New.
 - a. In the **Object Designer**, locate and select the page 90002, **Vendor Card New**.
 - b. Click **Run** to run the page in the client for Windows.

The following figure shows a card page that was created by using **Card Page Wizard**.

No: Delete Manage D1254796 - Progressiv No: D1254796 - Progressiv No: D1254796 - Progressiv No: D1254796 - Progressiv Address: 222 Invoicing Budgeted Amount	Note Notes Links Show Attached Re Home Furnishings 255725 ogressive Home Furnishi 2 Reagan Drive	City: Purchaser Code: Country/Region Code:	Columbia RL US		Vendor Details Q Actions - Ve 0125479 Na Progressive Home Furnishin Ph E progressive.home.furnishin
General No.: [0] Name: Pre Address: 222 Invoicing Budgeted Amount: Invoice Disc. Code: 012	234796 ogressive Home Furnishi 2 Reagan Drive	Purchaser Code: Country/Region Code:	RL	•	O Actions Ve Ve Progressive Home Furnishi. Ph
No.: DI Name: Pro Address: 222 Invoicing Budgeted Amount: Invoice Disc. Code: 012	ogressive Home Furnishi 12 Reagan Drive	Purchaser Code: Country/Region Code:	RL	•	O Actions Ve Ve Progressive Home Furnishi. Ph
Name: Pro Address: 222 Invoicing Budgeted Amount: Invoice Disc. Code: 012	ogressive Home Furnishi 12 Reagan Drive	Purchaser Code: Country/Region Code:	RL	•	Ve 0125479 Na Progressive Home Furnishi Ph
Address: 222 nvoicing Budgeted Amount: Invoice Disc. Code: 012	2 Reagan Drive	Country/Region Code:		•	Na Progressive Home Furnishi. Ph
nvoicing Budgeted Amount: Invoice Disc. Code: 012	-		03		
Budgeted Amount: Invoice Disc. Code: 012	0.00			^	
Invoice Disc. Code: 012	0.00				Fax
	-,	Purchases (LCY):		0,00	Co Mr. Michael Sean Ra Vendor Statistics
Balance (LCY):	254796 👻	Inv. Discounts (LCY): Amt. Rcd. Not Invoiced (LCY)		0,00	Vendor Statistics Vendor No.: 0125479
	108.751,93	And Red. Not involced (ECT)		0,00	Balance (LCY): 108.751,9
					Outstanding Orders (0,0 Amt. Rcd. Not Invd. (0,0
					Outstanding Invoice 0,0
					Total (LCY): 108.751,9 Overdue Amounts (L 0,0
					Overdde Ambunis (c 0,0
					u 16
					e 16 10 12 10 12 10 12 8 8 8 8 8 8 8 8 8 8 8 8 8
					10 10 8
					o ber
					* 4
					0 GREEN
					WHITE
					Close

FIGURE 3.31: THE VENDOR CARD – NEW PAGE

Demonstration: Create a List Page Using Wizard

The following demonstration shows how to create a List page by using the wizard, and how to add several fields and FactBoxes to the list page.

Demonstration Steps

- 1. Create a new card page for Vendor table by using the List Page Wizard.
 - a. In the **Object Designer**, click **Page**.
 - b. Click **New** to display the **New Page** window.
 - c. In the **Table** field, enter "Vendor", and then select the **Create a page using a wizard** option.
 - d. Select **List** in the page types list, and then click **OK** to start the **List Page Wizard**.
 - e. Add the following fields from the Available Fields list:
 - No.
 - Name
 - City
 - Vendor Posting Group
 - Currency Code
 - Purchaser Code
 - Country/Region Code
 - Gen. Bus. Posting Group
 - f. Click Next.
 - g. Add the Vendor Details FactBox, Vendor Statistics Factbox, Vendor Hist. Buy-from FactBox, and Vendor Hist. Pay-to FactBox page FactBoxes.
 - h. Click Finish.
- 2. Set properties on the factboxes to show the details for the currently shown vendor.
 - a. In the **Page Designer** window, select the **Vendor Details FactBox** page part.
 - b. Select **View > Properties**.
 - c. In the **SubPageLink** property, click the **AssistEdit** button.
 - d. In the Table Filter window, set the following values:
 - Field to No.
 - Type to FIELD
 - Value to No

- e. Repeat these steps for the following FactBoxes:
 - Vendor Hist. Buy-from FactBox
 - Vendor Hist. Pay-to FactBox
 - Vendor Hist. Buy-from FactBox
 - Vendor Hist. Pay-to FactBox
- 3. Set the page properties to prevent changes to the underlying table, and to start the page 90002, **Vendor Card New**, when a user double-clicks a line in this page.
 - a. In the Page Designer window, select the first blank line
 - b. Select View > Properties.
 - c. In the **Properties** window, set the **Editable** property to **No**.
 - d. In the **Properties** window, set the CardPageID property to "90002".
 - e. Close the Properties window.
- 4. Compile, save and close the page.
 - a. On the File menu, click Save. The Save As dialog box opens.
 - b. In the Save As dialog box, in the ID field, enter "90003".
 - c. In the **Name** field, enter "Vendor List New".
 - d. Verify that the **Compiled** check box is selected, and then click **OK**.
 - e. Close the Page Designer window.
- 5. Run page 90003, **Vendor List New**.
 - a. In the **Object Designer**, locate and select the page 90003, **Vendor List New**.
 - b. Click **Run** to run the page in the client for Windows.

The following figure shows a list page that was created by using **List Page Wizard**.

	as List	Chart	a 🧠	inks					CRONUS International I	
endor List	- New -		Туре	to filter (F3)	No.		▼ → ♥		Vendor Details	
orting: No	2↓-					N	lo filters applie	d	Actions	
No.	Name	City	Vendor Postin	Currency Code	Purchaser Code	Country/ Code	Gen. Bus. Posting	^	Vendor No.: 01254790 Name: Progressive Hom	
01254796	Progressive Home Furnishin	Columbia	FOREIGN	USD	RL	US	EXPORT		Phone No.:	
01587796	Custom Metals Incorporated	Birmingham	FOREIGN	USD	RL	US	EXPORT	=	E-Mail: progressive.hom.	
01863656	American Wood Exports	New York	FOREIGN	USD	RL	US	EXPORT			Fax No.:
01905283	Mundersand Corporation	Thunder Bay	FOREIGN	CAD	RL	CA	EXPORT		Contact: Mr. Michael Sean	
01905382	NewCaSup	Toronto	FOREIGN	CAD	RL	CA	EXPORT		Vendor Statistics	
01905777	OakvilleWorld	Oakville	FOREIGN	CAD	RL	CA	EXPORT		Vendor No.: 01254790	
10000	London Postmaster	London	DOMESTIC		RL	GB	NATIONAL	:	Balance (LCY): 108.751,93	
20000	AR Day Property Managem	Guildford	DOMESTIC		RL	GB	NATIONAL		Outstanding Ord 0,00	
20300190	Malay-Dan Export Unit Sdn	AMPANG, Kuala	FOREIGN	MYR	RL	MY	EXPORT		Amt. Rcd. Not Inv 0,00 Outstanding Invo 0.00	
20319939	KDHSL99 Sdn Bhd	PELABUHAN KL	FOREIGN	MYR	RL	MY	EXPORT		Total (LCY): 108.751.93	
20323323	Tengah Butong Sdn Bhd	KOTA KINABAL	FOREIGN	MYR	RL	MY	EXPORT		Overdue Amount 0,00	
21201992	Texpro Maroc	CASABLANCA	FOREIGN	MAD	RL	MO	EXPORT		Buy-from Vendor Hi	
21218838	Top Bureau	KASBAH TANGER	FOREIGN	MAD	RL	MO	EXPORT			
21248839	Comacycle	MOHAMMEDIA	FOREIGN	MAD	RL	MO	EXPORT		Vendor No.: 01254790 Ouotes: 0	
27299299	Big 5 Video	Richards Bay	FOREIGN	ZAR	RL	ZA	EXPORT		Blanket Orders:	
27833998	Jewel Gold Mine	Johannesburg	FOREIGN	ZAR	RL	ZA	EXPORT		Orders:	
27889998	Mountain Fisheries	Cape Town	FOREIGN	ZAR	RL	ZA	EXPORT		Invoices:	
30000	CoolWood Technologies	Portsmouth	DOMESTIC		RL	GB	NATIONAL		Return Orders:	
								Ŧ	Credit Memos:	

FIGURE 3.32: THE VENDOR LIST – NEW PAGE

- 6. In the **Vendor List New** window, verify that **Vendor Card New** page is opened when you double-click a line.
 - a. In the **Vendor List New** window in the client, double-click any line.
 - b. Verify that the Vendor Card New page is shown, and that the Vendor record that is selected in the Vendor List New is displayed in the card.

Worksheet Page

A worksheet page is a multi-record page that enables users to view multiple records from a table and edit them. Worksheet pages differ from ordinary list pages. When a user inserts a new record in a Worksheet page, the record does not jump to another position within the page, but remains in the same order in which the user inserted it. The **AutoSplitKey** property of the page, combined with an integer as the last field in the table's primary key enables this order. Worksheet pages let users set filters or options that are shown over the repeater control. Worksheet pages may include a footer which summarizes information from the worksheet or shows detailed information about the currently selected line. You can use worksheet pages as journals.

The primary key fields of the associated table do not show on the worksheet page.

Naming Worksheet Pages

Worksheet pages are named according to the purpose of the associated table. For Journal tables, the name of the Worksheet page ends with the word Journal. For example, the main journal for the **General** area of the **Financial Management** application area is called **General Journal**.

Home	Actions	Navigate						CRONUS Int	ernational Ltd.
elete Post I	Post and App Print Entri		ndard Journals Standard Journa ions	ıl					
atch Name: CA	SH	•							
Posting Date	Document Type	Document No.	Account Type	Account No.	Description	Gen. Posting Type	Gen. Bus. Posting	Gen. Prod. Posting	Amoun
23.1.2014. 👻		G00001	G/L Account	5720	Electricity Tax				1.225,1
23.1.2014.		G00001	G/L Account	2910	Cash				-1.225,1
<		Pal	III Account Name		Balance		Total Ba	lance	
Electricity Tax		ba	. Account Name		balance	1.2	25,18	lance	0,0

FIGURE 3.33: THE GENERAL JOURNAL PAGE

Document Page

A document page is a page that contains a series of FastTabs and a page part with lines on the same page. It displays information from two tables with the masterdetail relationship, such as Sales Header and Sales Line, or Purchase Header and Purchase Line tables.

Naming Document Pages

The name of a document page is the function that it represents, such as, **Sales Order**.

Home	e Action	s Navigate						CRONUS Inte	mational L
ew X Delet	Port	Post and Print Copy Document Put-away / Pick Process	☑ Release ⑦ Reopen Ø Statistics	OneNote Notes Links					
1017 · Sela	angorian L	td.					0.	Sell-to Customer Sal	^
eneral									
lo.:		101017		Document Date:	24.1.2014.	-		Customer No.:	20000
ell-to Custon	ner No.:	20000	-	Requested Delivery Da	ite:	-		Quotes: Blanket Orders:	0
ell-to Custon	ner Name:	Selangorian Ltd.		External Document No	p.:			Orders:	
ell-to City:			•	Salesperson Code:	PS	•		Invoices:	
		Coventry	Ŧ			•		Return Orders:	(
osting Date:		24.1.2014. 👻		Status:	Open			Credit Memos:	(
der Date:		24.1.2014. 👻						Pstd. Shipments:	
rder Date:		24.1.2014. 👻				-		Pstd. Invoices:	
		24.1.2014. •				۲	Show more field	Pstd. Invoices: Pstd. Return Rece Pstd. Credit Mem	
nes	∋ Functions		Clear Filter			۲		Pstd. Invoices: Pstd. Return Rece Pstd. Credit Mem Sales Line Details	1020 10
ies Line • 6	Functions No.		Clear Filter	Quantity Reserve Quantit		Unit Price Excl. VAT		Pstd. Invoices: Pstd. Return Rece Pstd. Credit Mem Sales Line Details Item No.: Availability:	1928-V 20
ies Line - G Type		• 🙆 Order • 🕬 Find Filter 🦷	Location Code			Unit Price Excl.	Line Amount	Pstd. Invoices: Pstd. Return Rece Pstd. Credit Mem Sales Line Details Item No.: Availability: Substitutions:	1928-V 20
les Line - C Type Item	No.	Crder Grder Grder Gescription	Location Code GREEN	Quantit	ty Measur	Unit Price Excl. VAT	Line Amount Excl. VAT	Pstd. Invoices: Pstd. Return Rece Pstd. Credit Mem Sales Line Details Item No.: Availability: Substitutions: Sales Prices:	1928-V 2
nes Line • @	No. 1928-W	Corder Grder Ger Ge	Location Code GREEN GREEN	Quantit 2	PCS	Unit Price Excl. VAT 342,10	Line Amount Excl. VAT 615,78	Pstd. Invoices: Pstd. Return Rece Pstd. Credit Mem Sales Line Details Item No.: Availability: Substitutions:	1928-V 21 0 0
Type Item Item	No. 1928-W 1964-W	Corder Page Find Filter Description ST.MORITZ Storage Unit/Dravers INNSBRUCK Storage Unit/G.Door	Location Code GREEN GREEN	Quantit 2	PCS PCS	Unit Price Excl. VAT 342,10 292,00	Line Amount Excl. VAT 615,78 262,80	Pstd. Invoices: Pstd. Return Rece Pstd. Credit Mem Sales Line Details Item No: Availability: Sales Prices: Sales Line Discou	1928-V 21 ((1
les Line - 6 Type Item Item	No. 1928-W 1964-W	Corder Page Find Filter Description ST.MORITZ Storage Unit/Dravers INNSBRUCK Storage Unit/G.Door	Location Code GREEN GREEN	Quantit 2 1 1	PCS PCS	Unit Price Excl. VAT 342,10 292,00	Line Amount Excl. VAT 615,78 262,80	Pstd. Invoices: Pstd. Invoices: Pstd. Return Rece Pstd. Credit Mem Sales Line Details Item No: Availability: Substitutions: Sales Price: Sales Line Discou Notes	1928-V 21 ((1
es ∃Line ▼ € Type Item Item	No. 1928-W 1964-W	Coder Order O	Location Code GREEN GREEN	Quantit 2	PCS PCS PCS	Unit Price Excl. VAT 342,10 292,00 256,10	Line Amount Excl. VAT 615,78 262,80 230,49	Pstd. Invoices: Pstd. Invoices: Pstd. Return Rece Pstd. Credit Mem Sales Line Details Item No: Availability: Substitutions: Sales Price: Sales Line Discou Notes	1928-V 2
Itine • 0 Type Item Item Item Item	No. 1928-W 1964-W	Coder Order O	Location Code GREEN GREEN	Quantit 2 1 1	py Measur PCS PCS PCS PCS 2	Unit Price Excl. VAT 342,10 292,00 256,10	Line Amount Excl. VAT 615,78 262,80 230,49 × 7.2.2014.	 Pidd. Invoices: Pidd. Return Rec Return Nez Availability: Substitutions: Sates Price: Click here to create a non- 	1928-V 2
les Line - 6 Type Item Item	No. 1928-W 1964-W 1976-W	Coder Order O	Location Code GREEN GREEN	Quantit 2 1 1	py Measur PCS PCS PCS PCS 2	Unit Price Excl. VAT 342,10 292,00 256,10 20000 14 DAYS	Line Amount Excl. VAT 615,78 262,80 230,49 230,49 7.2.2014. 4. Partial	Pidd. Javoices: Pidd. Bruine Reca Pidd. Credit Mem Sales Line Details Imer No: Availability: Substitutions: Sales Price: Sales Line Discou Notes Click here to create a m v	1928-V 2

FIGURE 3.34: THE SALES ORDER PAGE

Demonstration: Create a Document Page Using Wizard

The following demonstration shows how to create a Document page by using the wizard, and how to add the Lines subpage to the page.

Demonstration Steps

- 1. Create a new document page for a **Sales Header** table, by using the Document Page Wizard.
 - a. In the **Object Designer**, click **Page**.
 - b. Click New to show the New Page window.
 - c. In the Table field, enter "Sales Header"
 - d. Select the **Create a page using a wizard** option, then select the **Document** in the page types list.
 - e. Click OK to start the Document Page Wizard.
 - f. In the **FastTab Name** list, enter "Shipping" in the first blank line, and then click **Next**.
 - g. Add the following fields to the General FastTab:
 - No.
 - Sell-to Customer No.
 - Sell-to Customer Name
 - Sell-to Address
 - Sell-to City

- Sell-to Post Code
- Sell-to Country/Region Code
- h. Add the following fields to the **Shipping** FastTab:
 - Ship-to Code
 - Ship-to Name
 - Ship-to Address
 - Ship-to City
 - Ship-to Post Code
 - Ship-to Country/Region Code
- i. Click **Next**, and then click **Finish**.
- 2. Set the page properties to show only sales orders.
 - a. In the **Page Designer**, select the first blank line.
 - b. Click View > Properties to open the Page Properties window.
 - c. In the **SourceTableView** property, click the **AssistEdit** button to open the **Table View** window.
 - d. In the **Table View** window, in the **Table Filter** field, click the **AssistEdit** button to open the **Table Filter** window.
 - e. In the **Table Filter** window, in the **Field** column, enter "Document Type".
 - f. In the Value field, enter "Order".
 - g. Click **OK** to close the **Table Filter** window.
 - h. Click **OK** to close the **Table View** window.
 - i. Close the **Page Properties** window.
- 3. Create a page part control for **Sales Order Subform** page, and link it to show only the lines for the sales order currently shown in the page.
 - a. In the **Page Designer**, select the line for **Shipping** FastTab.
 - b. Click **Edit** > **New** to insert a new line.

Туре	SubType	Caption
Part	Page	Lines

- c. On the new line, type the following:
- d. With the new line still selected, press the **Left** button one time to unindent the **Lines** page part one level.
- e. Click **View > Properties**.
- f. In the **PagePartID** property, enter "Sales Order Subform".
- g. In the **SubPageLink** property, click the **AssistEdit** button to open the **Table Filter** window.

Field	Туре	Value
Document Type	FIELD	Document Type
Document No.	FIELD	No.

h. In the Table Filter window, enter the following lines:

- i. Click **OK** to close the **Table Filter** window.
- j. Close the **Properties** window.
- 4. Compile, save, and close the page.
 - a. Click File > Save. The Save As dialog box opens.
 - b. In the Save As dialog box, in the ID field, enter "90004".
 - c. In the Name field, enter "Sales Order New".
 - d. Verify that the **Compiled** check box is selected, and then click **OK**.
 - e. Close the Page Designer window.
- 5. Run page 90004, Sales Order New.
 - a. In the **Object Designer**, locate and select the page 90004, **Sales Order – New**.
 - b. Click **Run** to run the page in the client for Windows.

The following figure shows a document page that was created by using **Document Page Wizard**.

🙀 View - Sa	ales Order - New	- 1001 · Elkhorn Airport					x
View	Home Action Edit New OneN	ns			CRONUS In	ternational Lto	H. 😧
Mana 1001 · El General	^{ge} khorn Airport	Show Attached					•
No.:		1001	Soll 4	to City:	Elkhorn		-
	ustomer No.:	01905899		to Post Code:	CA-MB ROM		-
Sell-to C Sell-to A	ustomer Name: ddress:	Elkhorn Airport 105 Buffalo Dr.	Sell-	to Country/Region Code:	CA	-	
	• • © Function		d Filter 🦷	Clear Filter			•
Туре	No.	Description		Location Code	Quantity	Reserved Quantity	M
Item	1936-S	BERLIN Guest Chai	ir, yellow	YELLOW			PC
•	III						Þ
Shipping	1						•
						Close	

FIGURE 3.35: THE SALES ORDER – NEW PAGE

RoleCenter Page

A role center page represents a customized user home page displays the parts or controls that are relevant to a user's role. A role center page defines the content of the navigation pane, and contains a series of links to list pages. In the central area, a role center points to the user tasks that require their immediate attention, by using cues in the **Activities** part. Role centers may also include the ListParts with the most relevant information for the user, such as **My Customers** or **My Items**. A developer can add system parts, such as **Outlook**, **My Notifications**, and charts, during design time. Users can add these system parts during run time.

Naming Role Center Pages

Role center pages use the name of the associated role, for which it is customized followed by the words "Role Center". For example, the role center page that is associated with the Order Processor role is named **Order Processor Role Center**.

Role Center - Sales Order Processo							[4-]	Search (Ctrl+F3)	
	aona Lu, • riome •						17		
Actions Report Actions Report Sales Order Sales Sales Return Ord Sales Sales Credit Men New Document	Sales Sales Price Journal Worksheet 🚯 Navigate	Refresh Page						CRONUS	International Ltd
Role Center	Role Center - Sales Order Processor								
Sales Orders Shipped Not Invoiced	C Activities	•	Trailing Sales Or	ders					Q •
Completely Shipped Not Inv Sales Orders - Open Ready to Ship Partially Shipped Delayed Sales Quotes Blanket Sales Orders		 New Sales Quote New Sales Order 		d Length • Dotions s Month No. of Orders . (I Jun 2014	A Refresh G Se Updated at 0:06:36.) Jul 2014	Aug 2014	Sep 2014	Oct 2014	
Sales Invoices Sales Return Orders Sales Credit Memos Items	6 0 15	• Navigate	My Customers	Open 999 Find Phone No.		Name			•
Customers tem Journals iales Journals	Ready to Partially Delayed Ship Shipped		01905893 01905899			Candoxy Canada Elkhorn Airport			
Cash Receipt Journals		New Sales Return Order New Sales Credit Memo	20312912 My Items Manage List / Item No. 1988-W	Description	teboard, yellow	Highlights Electro	mics Sdn Bhd		Unit Price 974,80
	Microsoft Outlook	•	1936-S 1928-W	BERLIN Guest	Chair, yellow orage Unit/Drawers				125,10 342,10
Home	Mail				1				
Posted Documents	Inbox Calendar All day 31 MOC / Plataen Tasks	13 ‡	Wy Notifications From	Created Date	Note			Page	^
:	organizirati blogove prema MVP i non-MVP (None)	۵							

RONUS International Ltd. 23. siječnja 2014. HP8460P\VJEKO

FIGURE 3.36: THE ORDER PROCESSOR ROLE CENTER PAGE

NavigatePage Page

Use the NavigatePage page for searches that are based on individual posting transactions, such as page **344**, **Navigate**. Navigate page type supports showing multiple tabs of information, changing visibility of tabs during run time, and positioning actions in the footer bar. This layout makes NavigatePage pages good candidates for wizards. For example, page **5077**, **Create Interaction**, shows a wizard-like interface that moves the user through a series of questions, before it makes changes to the database.

Naming Navigate Pages

There is no specific requirement for naming NavigatePage pages. Page 344 is named simply Navigate, while typical wizards may be named according to the task they accomplish, such as page **5077**, **Create Interaction**.

¼ Edit - Navigate							
Home Actions	CRONUS Inter 🧕						
Find Show Process							
General	^						
Document No.: 103006							
Posting Date: 11.01.14							
Source	^						
Document Type: Posted Sales Invoice							
Source Type: Customer							
Source No.: 42147258							
Source Name: BYT-KOMPLET s.r.o.							
Document Entry	^						
Table Name	No. of Accords						
Posted Sales Invoice	1						
G/L Entry	2 ≡						
VAT Entry	1						
Cust. Ledger Entry	1						
Detailed Cust. Ledg. Entry	1						
	-						
General External Item Tra	Close						

FIGURE 3.37: THE NAVIGATE PAGE

Navigate pages are good candidates for wizards, as they show actions as command buttons, and enable toggling visibility of tabs during run time.

Edit - Create Interaction - CT200081 Gre	g Chapman	
Actions Navigate		CRONUS International Ltd. 🔞
Next		
Finish Back		
♦ Refresh		
Page		
This wizard helps you to create interac regarding their cost, duration and con		
Who are you interacting with?:	Greg Chapman	
What is the type of interaction?:	•	
Language Code:		
Who is the salesperson responsible?:	BD 👻	
Describe your interaction.:		
	Back Description	√ Finish Close

FIGURE 3.38: THE CREATE INTERACTION PAGE

ConfirmationDialog Page

A confirmation dialog asks the user a question that can be answered with minimal data input, and requires the user to click **Yes** or **No**. Pages of this type contain a question, and may contain a single FastTab named Details. This provides the necessary information for the user to make a choice.

Naming ConfirmationDialog Pages

There is no strict convention for naming confirmation dialog boxes. However, you may want to consider using the object of the confirmation preceded by the word Check or Confirm. For example, the confirmation dialog that requires the user to confirm a transaction for a customer who is over the credit limit is named **Check Credit Limit**.

View - Check Credit Limit	S X						
An action is requested regarding the Credit Limit check.							
This customer has an overdue balance. Do you still want to record the amount?							
Details	^						
No.:	10000						
Name:	The Cannon Group PLC						
Balance (LCY):	255.864,41						
Outstanding Amt. (LCY):	1.612,50						
Shipped/Ret. Rcd. Not Invd. (LCY):	525,50						
Current Amount (LCY):	0,00						
Total Amount (LCY):	258.002,41						
Credit Limit (LCY):	0,00						
Overdue Amounts (LCY) as of 23.01.1	4: 20.957,16						
	Yes No						

FIGURE 3.39: THE CHECK CREDIT LIMIT PAGE

ListPlus Page

A ListPlus page resembles a document page, because it also contains FastTabs and a ListPart named **Lines**. Whereas document pages typically allow for inserting and deleting lines, and use on the **AutoSplitKey** property, ListPlus pages typically only allow for viewing, or editing existing lines. ListPlus pages do not allow insertion or deletion of lines from the subpage. For example, page **397**, **Sales Invoice Statistics** is a ListPlus page. Because ListPlus pages do not allow the insertion of lines, and show fixed, or pre-determined information in the lines, they may be used instead of card pages for master data management, such as, page **5050**, **Contact Card**.

Naming ListPlus Pages

There is no specific convention regulating the naming of the ListPlus pages. If you use a ListPlus page instead of a card page, such as in the example of page **5050**, **Contact Card**, then it should follow the naming conventions for the card pages.

Home Activ	ons			CF	ONUS Internation	al Ltd.	
Edit View							
Manage							
.03004 · Guildford W	/ster Departme	int					
	ater Departine						
General						^	
Amount Excl. VAT:	17.6	27,50	Adjuste	d Profit %:		89,9	
Inv. Discount Amount:		0,00	Quantit	y:		22	
Total Excl. VAT:	17.6	27,50	Parcels:			0	
VAT Amount:	4.3	19,28	Net We	ight:		0,225	
Total Incl. VAT:	21.9	46,78	Gross W	/eight:	3		
Sales (LCY):	17.6	27,50	Volume	:	0,015		
Original Profit (LCY):	15.8	44,53	Origina	Original Cost (LCY):		1.782,97	
Adjusted Profit (LCY):	15.8	44,53	Adjusted Cost (LCY):		1.782,97		
Original Profit %:		89,9	Cost Ac	ljmt. Amount (LCY):		0,00	
Lines						~	
🕸 Find							
VAT %	Line Amount		VAT Base	VAT Amount	Amount Including VAT		
10	584,00		584,00	58,40	642,40		
25	17.043,50		17.043,50	4.260,88	21.304,38		
Customer						*	



StandardDialog Page

A standard dialog page is a simple page type that you use when users only input data and do not perform any other actions from the page. Standard dialog boxes do not contain ribbon, FastTabs, or FactBoxes. Users cannot customize the appearance and behavior of these pages. For example, page **511**, **Change Exchange Rate** is of the StandardDialog page type.

Naming StandardDialog Pages

There is no strict convention for naming standard dialog boxes. You may name them according to the task that they perform. For example, the standard dialog for changing the currency exchange rate on documents is named **Change Exchange Rate**.

Change Exchange Rate	
	CRONU 🔞
Currency Code:	CAD
Exchange Rate Amount:	100,0
Relational Exch. Rate Amount:	46,0862
Relational Currency Code:	GBP
Currency Code:	
Exchange Rate Amount:	0,0
Relational Exch. Rate Amount:	0,0
Relational Currency Code:	
Use FA AddCurr Exch. Rate:	
ОК	Cancel

FIGURE 3.41: THE CHANGE EXCHANGE RATE PAGE

Page Design Best Practices

After learning about the components of a page and how they are defined in **Page Designer**, following are best practices when designing pages:

- Consider the types of users who use the new page and list the tasks that they perform.
- Create a list of the fields, actions, and links that are needed for the page.
- Select the page type that best matches the content that is displayed on the page.
- Set the source table of the page to the table that contains the primary set of data that the page shows.
- Design the page by using **Page Designer** to specify the element hierarchy. Determine the details of how data is displayed by adjusting the properties of each element on the page.
- Consider any supplemental sources of information that add value to the page and add these as FactBoxes. Existing FactBoxes can support the design.
- Simplify the user experience by streamlining the user's default view. This can be achieved by doing the following:
 - Promote actions to appropriate groups that have the appropriate sequence and size.

- Set the **Importance** property to **Additional** for fields that are used less than 30 per cent of the time.
- Display one to three FactBoxes. This is by default. Add the new page to the menu suite so that it is included in the Departments location.
- Consider specific user profiles if the page is a list place. These user profiles can have a link to the page from their role centers.

Lab 3.1: Create a Card and a List Page

Exercise 1: Create a Card page for the Course table.

Exercise Scenario

Simon wants to follow the standard recommendations for cards and lists. He first creates a card page, names it according to card page naming rules, and saves it.

Task 1: Creating a new page

High Level Steps

- 1. Create a new **Card** page that has the source table **Course**.
- 2. Set page properties to show the caption according to the naming conventions for card pages.

Detailed Steps

- 1. Create a new **Card** page that has the source table **Course**.
 - a. In the **Object Designer**, click **Page** to open the page list.
 - b. Click **New** to open the **New Page** window.
 - c. In the Table field, enter "Course".
 - d. Verify that **Create blank page** is selected, and then click **OK**.
- 2. Set page properties to show the caption according to the naming conventions for card pages.
 - a. In the **Page Designer window**, click **View > Properties**.
 - b. In the **Caption** property, enter "Course Card".
 - c. Close the **Properties** window.

Task 2: Adding controls

High Level Steps

- 1. Add a ContentArea container.
- 2. Add a FastTab.
- 3. Add the fields.

- 1. Add a ContentArea container.
 - a. In the **Page Designer**, select the first blank line.
 - b. Verify that Type is Container, and SubType is ContentArea.
 - c. In the **Caption** column, enter "Course Card".

- 2. Add a FastTab.
 - a. In the **Page Designer**, select the next blank line.
 - b. In the **Type** column, enter **Group**.
 - c. In the **SubType** column, enter **Group**.
 - d. In the Caption column, enter "General".
- 3. Add the fields.
 - a. Click **View** > **Field Menu** to open the **Field Menu** window.
 - b. In the Field Menu, select the following fields:
 - Code
 - Name
 - Description
 - Duration
 - Price
 - Type
 - Active
 - c. Click **OK**.
 - d. In the confirmation dialog box, click **Yes** to complete adding the fields.

Task 3: Saving the page

High Level Steps

1. Compile, save, and close the page.

- 1. Compile, save, and close the page.
 - a. Click File > Save.
 - b. In the Save As dialog box, in the ID field, enter "90010".
 - c. In the Name field, enter "Course Card".
 - d. Verify that the **Compiled** check box is selected.
 - e. Click **OK** to complete saving the object.
 - f. Close the Page Designer window.

Exercise 2: Create a List page for the Course table.

Exercise Scenario

Simon now creates the list page. He follows the list page naming standards, and guarantees that users cannot edit information in this page. He also makes sure that when a user double-clicks a course, the Course Card page displays the selected course. Simon also makes sure that **New**, **Edit**, and **View** actions work as expected in the client.

Task 1: Creating a new page

High Level Steps

- 1. Create a new List page that has the source table **Course**.
- 2. Set page properties to display the caption according to the naming conventions for list pages.
- 3. Set page properties to specify that page type is **List**. Make sure that the list is not editable, and that **Course Card** page opens when users double-click a line in this page.

- 1. Create a new List page that has the source table **Course**.
 - a. In **Object Designer**, click **Page** to open the page list.
 - b. Click New to open the New Page window.
 - c. In the **Table** field, enter "Course".
 - d. Verify that **Create blank page** is selected, and then click **OK**.
- 2. Set page properties to display the caption according to the naming conventions for list pages.
 - a. In the Page Designer window, click View > Properties.
 - b. In the **Caption** property, enter "Course List".
- 3. Set page properties to specify that page type is **List**. Make sure that the list is not editable, and that **Course Card** page opens when users double-click a line in this page.
 - a. In the **Editable** property, enter **No**.
 - b. In the **PageType** property, enter **List**.
 - c. In the CardPageID property, enter "Course Card".
 - d. Close the **Properties** window.

Task 2: Adding controls

High Level Steps

- 1. Add a ContentArea container.
- 2. Add a Repeater.
- 3. Add the fields.

Detailed Steps

- 1. Add a ContentArea container.
 - a. In the Page Designer, select the first blank line.
 - b. Make sure that Type is Container, and SubType is ContentArea.
 - c. In the Caption column, enter "Course List".

2. Add a Repeater.

- a. In the Page Designer, select the next blank line.
- b. In the **Type** column, enter **Group**.
- c. In the **SubType** column, enter **Repeater**.
- 3. Add the fields.
 - a. On the **View** menu, click **Field Menu** to open the **Field Menu** window.
 - b. In the Field Menu, select the following fields:
 - Code
 - Name
 - Description
 - c. Click OK.
 - d. In the confirmation dialog box, click **Yes** to complete adding the fields.

Task 3: Saving the page

High Level Steps

1. Compile, save, and close the page.

- 1. Compile, save, and close the page.
 - a. On the **File** menu, click **Save**.
 - b. In the Save As dialog box, in the ID field, enter "90011".
 - c. In the Name field, enter "Course List".
 - d. Verify that the **Compiled** check box is selected.
 - e. Click **OK** to complete saving the object.
 - f. Close the **Page Designer** window.

Module Review

Module Review and Takeaways

Pages provide a flexible foundation for building many types of display objects. There are 11 types of pages that control how the page is displayed in the client, and determine the functionality of the page. You design pages in the Page Designer Page Designer is a declarative editor; it does not provide immediate insight into how the page looks. Page Designer includes the Page Preview mode that shows a reliable display of the page in Microsoft Dynamics NAV Development Environment. Page Preview mode streamlines development by integrating with control and action properties and C/AL code editors.

Test Your Knowledge

Test your knowledge with the following questions.

1. How does Microsoft Dynamics NAV 2013 client for Windows show actions?

- 2. Which of the following elements do not have triggers?
 - () Page
 - () Control
 - () Action
 - () Ribbon
- 3. Which of the following types is not a valid page type in Microsoft Dynamics NAV 2013?
 - () Card
 - () List
 - () CardPlus
 - () ListPlus
 - () CardPart

- 4. Which page type do you use to enable users to enter information in a wizard-like interface?
 - () ListPlus
 - () NavigatePage
 - () RoleCenter
 - () StandardDialog
 - () WizardDialog
- 5. What page type enables users to only input data and not perform any other actions from the page?

- 6. You can define actions at the page level only.
 - () True
 - () False
- 7. Which control type allows you to create control actions?
 - () CueGroup
 - () FastTab
 - () Repeater
 - () GridLayout
- 8. Which page types do you use for pages that are shown as subpages in other pages?

Test Your Knowledge Solutions

Module Review and Takeaways

1. How does Microsoft Dynamics NAV 2013 client for Windows show actions?

MODEL ANSWER:

Microsoft Dynamics NAV 2013 client for Windows shows actions in the ribbon.

- 2. Which of the following elements do not have triggers?
 - () Page
 - () Control
 - () Action
 - (√) Ribbon
- 3. Which of the following types is not a valid page type in Microsoft Dynamics NAV 2013?
 - () Card
 - () List
 - (\checkmark) CardPlus
 - () ListPlus
 - () CardPart
- 4. Which page type do you use to enable users to enter information in a wizard-like interface?
 - () ListPlus
 - (√) NavigatePage
 - () RoleCenter
 - () StandardDialog
 - () WizardDialog

5. What page type enables users to only input data and not perform any other actions from the page?

MODEL ANSWER:

StandardDialog page type.

6. You can define actions at the page level only.

() True

(√) False

- 7. Which control type allows you to create control actions?
 - (√) CueGroup
 - () FastTab
 - () Repeater
 - () GridLayout
- 8. Which page types do you use for pages that are shown as subpages in other pages?

MODEL ANSWER:

CardPart and ListPart.