



Devexpress

Devexpress

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Devexpress



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Nội dung

1. Đôi nét về **devexpress**

2. Tổng quan **devexpress**

3. Giới thiệu các **winforms controls**

5. Demo

6. Kết luận



1. Giới thiệu Devexpress

- ❑ DevExpress là một Framework được viết cho nền tảng .NET Framework.
- ❑ Cung cấp các controls và công nghệ để phục vụ cho quá trình phát triển phần mềm



2. Tổng Quan



3. Các Controls cơ bản

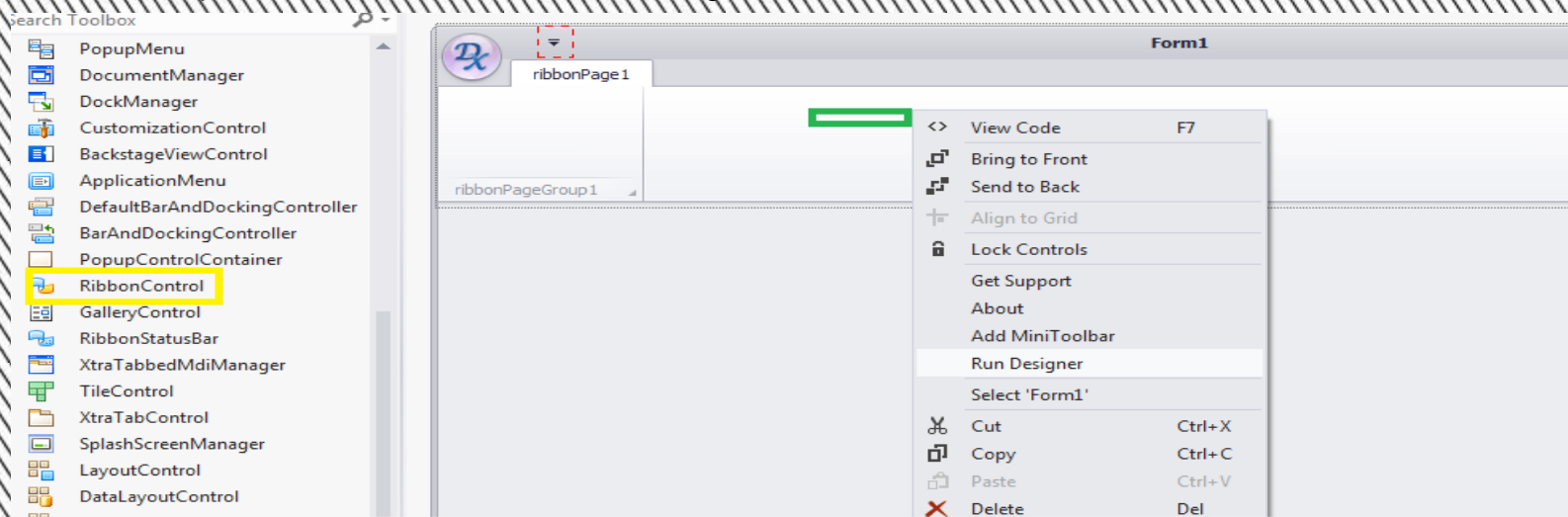
- » **RibbonControl**
- » **NavBarcontrol**
- » **GridControl**
- » **TileControl**
- » **DefaultLookAndFeel**
- » **Reporting**



3. Các Controls cơ bản

» RibbonControl

» Click chuột phải lên thanh Ribbon -> chọn Run Designer



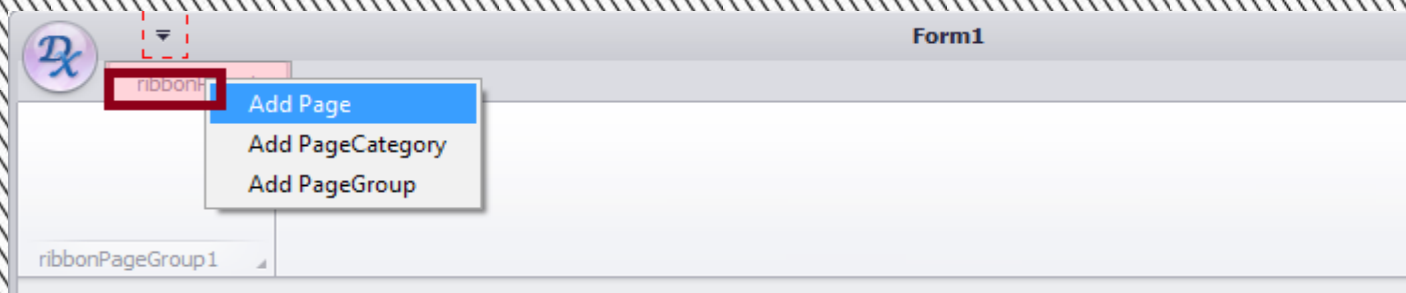
✓ Tuy nhiên: Để thiết kế được dễ dàng hơn thì ta thực hiện như sau:



3. Các Controls cơ bản

RibbonControl

Click chuột phải lên thanh Ribbon(hình vẽ) -> chọn tiếp(thường dùng Page hoặc PageGroup)



=>Nếu chọn Page thì sẽ có 2 ribbonPage



3. Các Controls cơ bản

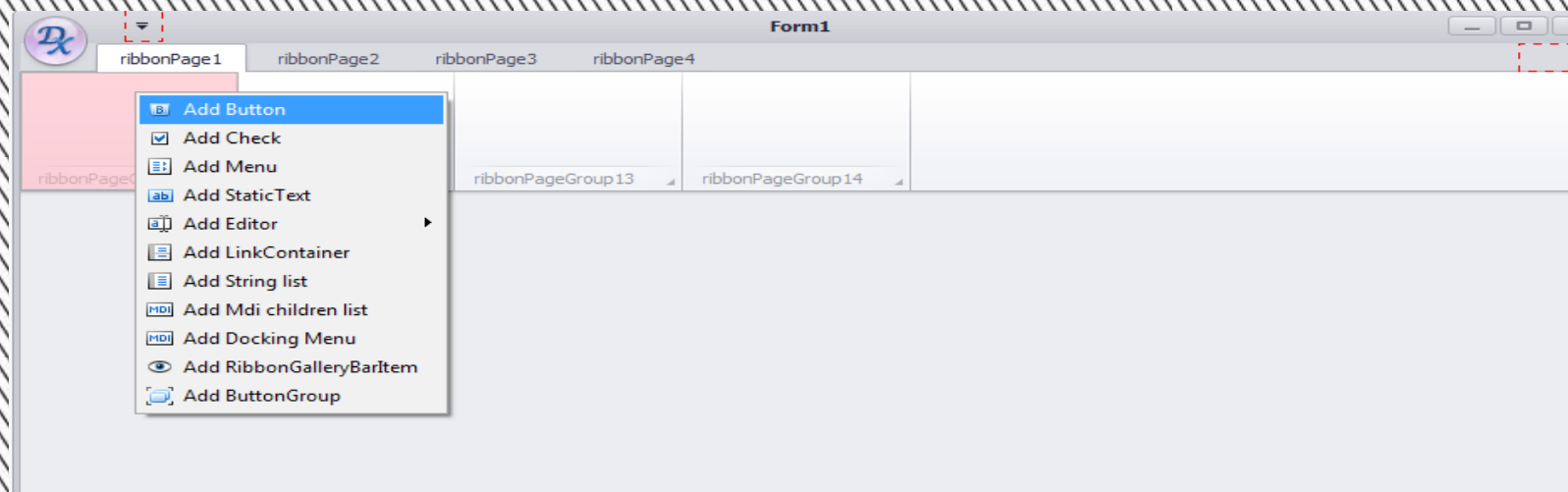
RibbonControl

=> Nếu chọn PageGroup thì ribbonPage1 có 2 Group...



Tương tự chọn các Page hoặc PageGroup khác...

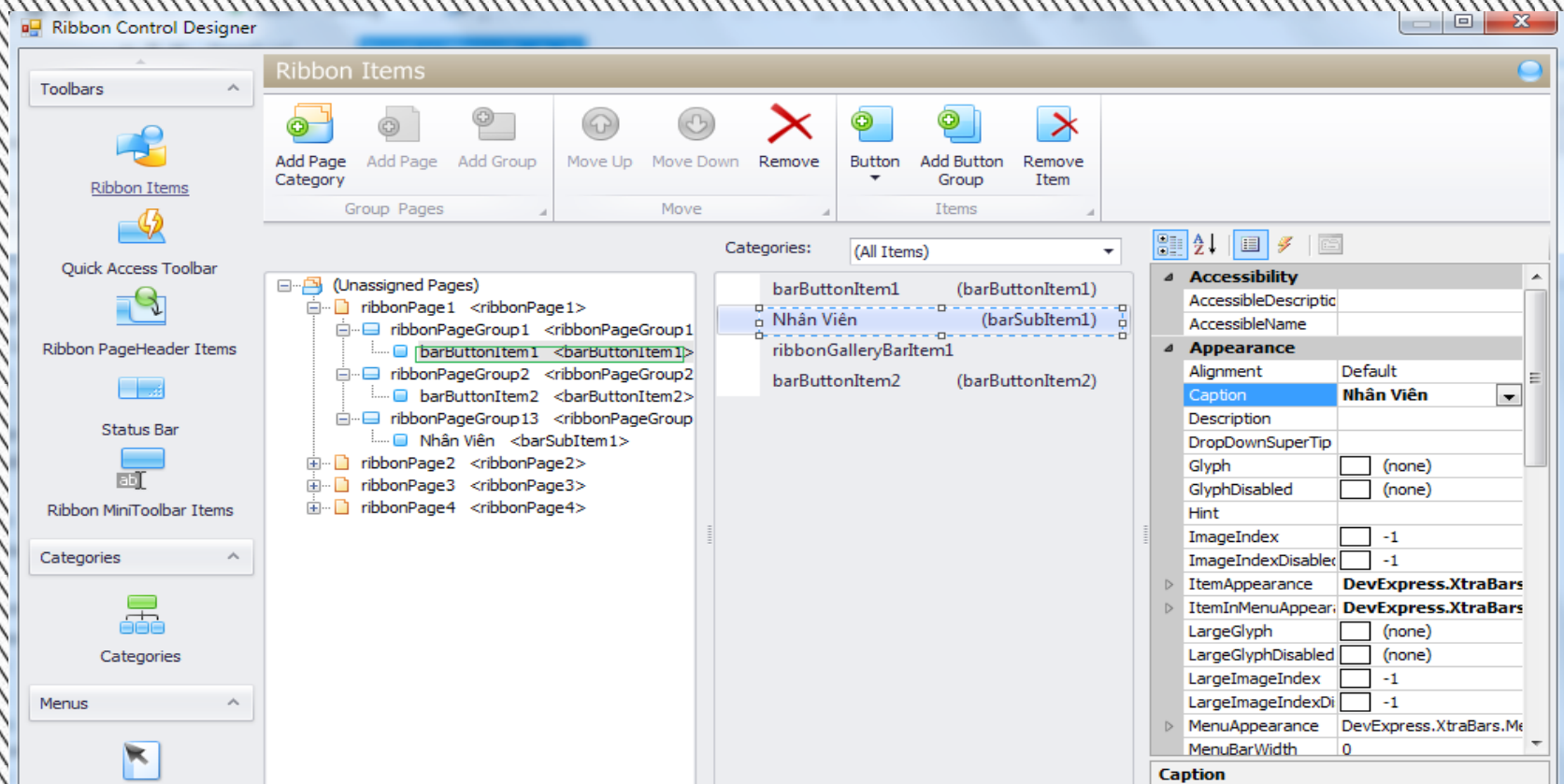
Tiếp theo click chuột phải vào PageGroup => chọn tiếp



3. Các Controls cơ bản

RibbonControl

=>Click chuột phải lên thanh Ribbon -> chọn Run Designer...



3. Các Controls cơ bản

RibbonControl

=> Đặt Tên

The screenshot displays the 'Ribbon Items' design tool interface. On the left, a sidebar contains navigation options: Toolbars, Ribbon Items, Quick Access Toolbar, Ribbon PageHeader Items, Status Bar, Ribbon MiniTool Items, Categories, and Menus. The main area is titled 'Ribbon Items' and features a toolbar with actions like 'Add Page Category', 'Add Page', 'Add Group', 'Move Up', 'Move Down', 'Remove', 'Button', 'Add Button Group', and 'Remove Item'. Below the toolbar, a 'Categories' dropdown is set to '(All Items)'. The central pane shows a tree structure of ribbon items, including '(Unassigned Pages)', 'ribbonPage1', 'ribbonPageGroup1', 'barButtonItem1', 'ribbonPageGroup2', 'barButtonItem2', 'ribbonPageGroup13', 'Nhân Viên', 'ribbonPage2', 'ribbonPage3', and 'ribbonPage4'. To the right of the tree, a list of items is shown, with 'Nhân Viên' selected. The properties window on the far right displays various settings for the selected item, including 'PaintStyle', 'ShowMenuCaption', 'SuperTip', 'Behavior' (Enabled, ItemShortcut, LargeWidth, MergeOrder, MergeType, RibbonStyle, ShortcutKeyDisplay, SmallWithoutTextW, SmallWithTextWidth, Visibility), 'Data' (ApplicationSettings, Tag), and 'Design' (Name, GenerateMember, Modifiers). The 'Design' section shows the name 'btnNhanVien'.

Ribbon Items

Toolbars

Ribbon Items

Quick Access Toolbar

Ribbon PageHeader Items

Status Bar

Ribbon MiniTool Items

Categories

Categories

Menus

Sub Menus & Popup

Ribbon Items

Add Page Category Add Page Add Group Move Up Move Down Remove Button Add Button Group Remove Item

Group Pages Move Items

Categories: (All Items)

(Unassigned Pages)

- ribbonPage1 <ribbonPage1>
 - ribbonPageGroup1 <ribbonPageGroup1>
 - barButtonItem1 <barButtonItem1>
 - ribbonPageGroup2 <ribbonPageGroup2>
 - barButtonItem2 <barButtonItem2>
 - ribbonPageGroup13 <ribbonPageGroup>
 - Nhân Viên <btnNhanVien>
 - ribbonPage2 <ribbonPage2>
 - ribbonPage3 <ribbonPage3>
 - ribbonPage4 <ribbonPage4>

barButtonItem1 (barButtonItem1)

Nhân Viên (btnNhanVien)

ribbonGalleryBarItem1

barButtonItem2 (barButtonItem2)

Properties

PaintStyle	Standard
ShowMenuCaption	False
SuperTip	
Behavior	
Enabled	True
ItemShortcut	(none)
LargeWidth	0
MergeOrder	0
MergeType	Add
RibbonStyle	Default
ShortcutKeyDisplay:	
SmallWithoutTextW	0
SmallWithTextWidth	0
Visibility	Always
Data	
(ApplicationSettings)	
Tag	<Null>
Design	
(Name)	btnNhanVien
GenerateMember	True
Modifiers	Private

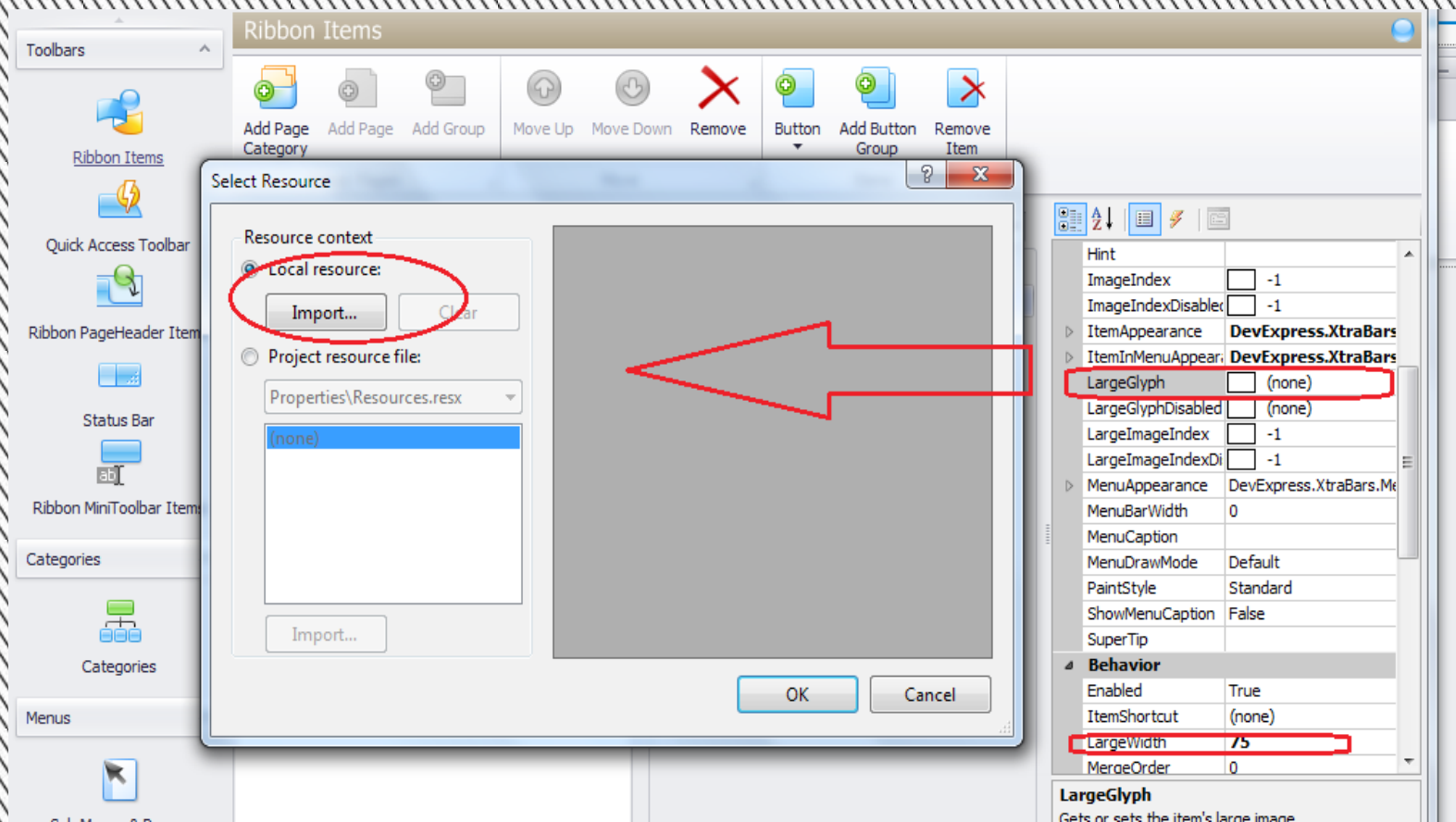
(Name)

Indicates the name used in code to identify the

3. Các Controls cơ bản

RibbonControl

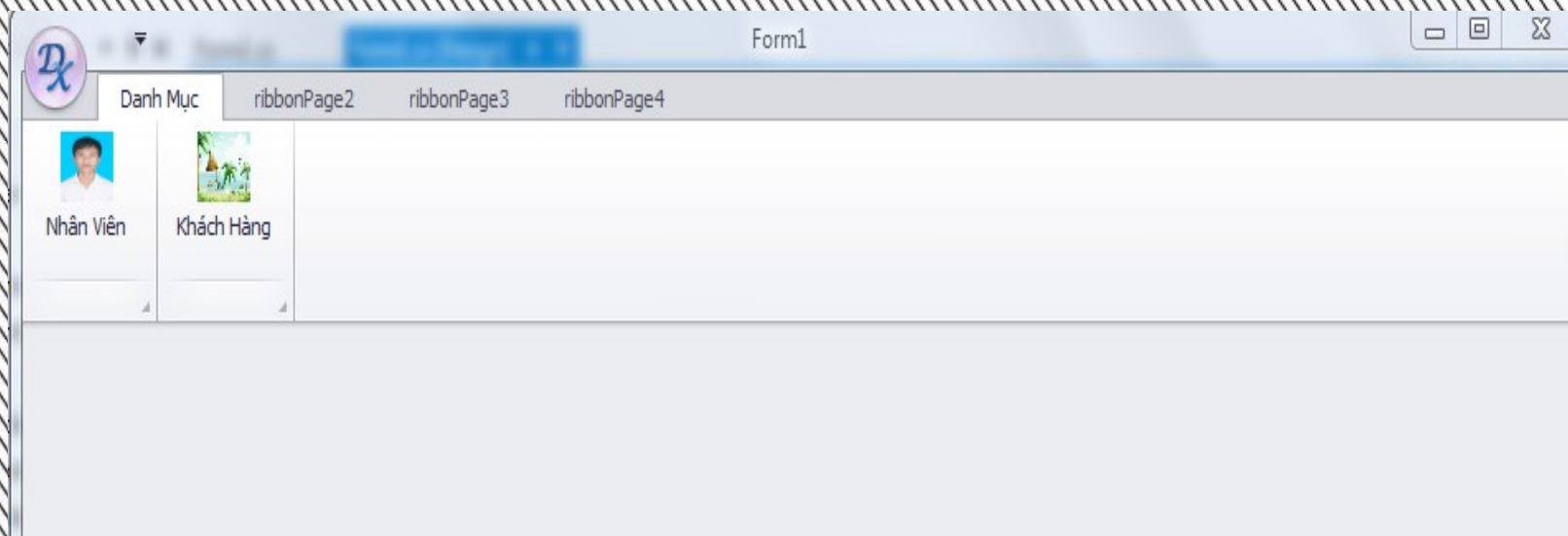
=> Chèn Hình, Và Độ rộng của hình



3. Các Controls cơ bản

RibbonControl

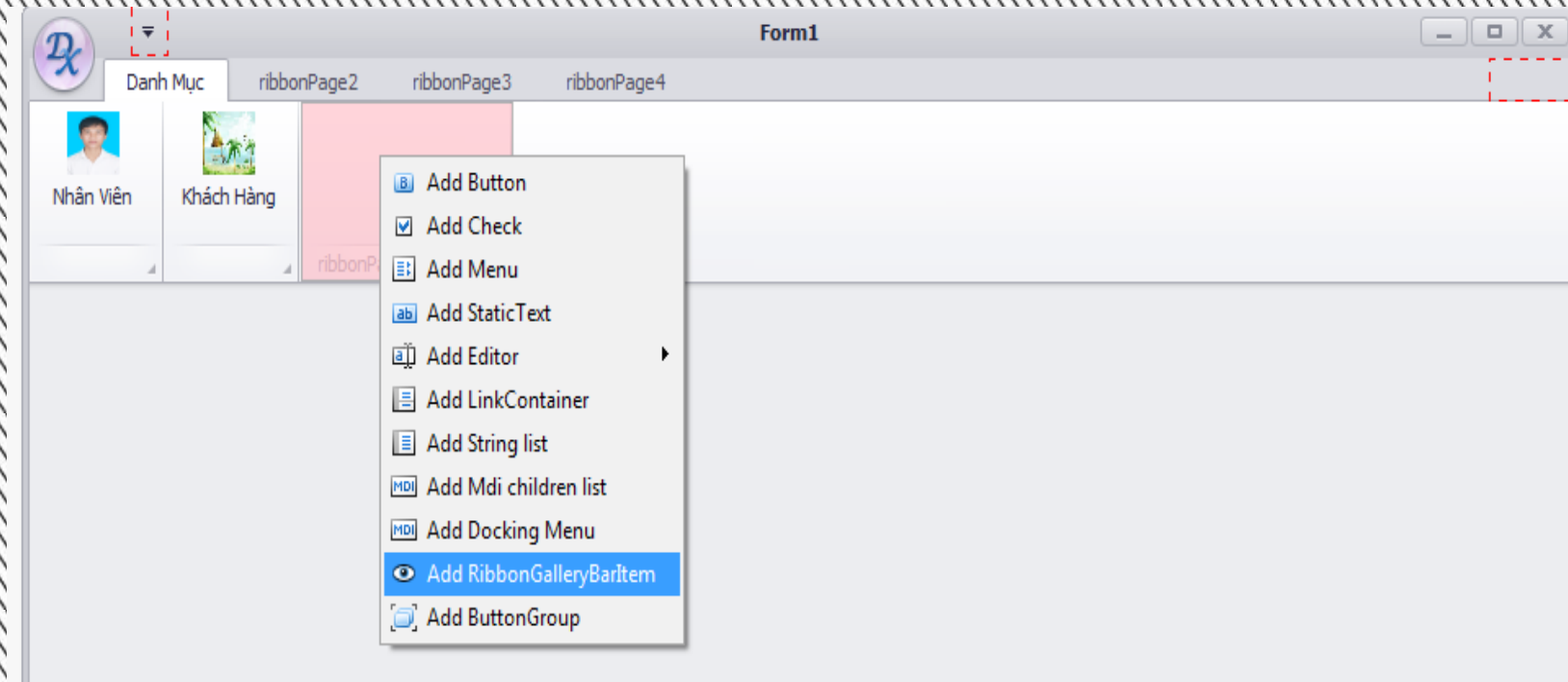
=>Chạy...



3. Các Controls cơ bản

RibbonControl

=>Add Gallery : Hỗ trợ thay đổi giao diện



3. Các Controls cơ bản

RibbonControl

=>Add Gallery : Hỗ trợ thay đổi giao diện

The screenshot shows the DevExpress XtraBars ribbon control in a design-time environment. The ribbon has four pages: 'Danh Mục', 'ribbonPage2', 'ribbonPage3', and 'ribbonPage4'. The 'Danh Mục' page is active and contains three items: 'Nhân Viên' (with a person icon), 'Khách Hàng' (with a landscape icon), and a red square icon. The red square icon is circled in red. The Properties window on the right shows the properties for the selected 'ribbonGalleryBarItem1' control. The '(Name)' property is highlighted in blue and circled in red.

Property	Value
(Name)	ribbonGalleryBarItem1
AccessibleDescription	
AccessibleName	
AllowRightClickInMenu	True
Caption	ribbonGalleryBarItem1
CausesValidation	False
Description	
DropDownSuperTip	
Enabled	True
Gallery	ribbonGalleryBarItem1.
GalleryDropDown	(none)
GenerateMember	True
Glyph	<input type="checkbox"/> (none)
GlyphDisabled	<input type="checkbox"/> (none)
Hint	
ImageIndex	<input type="checkbox"/> -1
ImageIndexDisabled	<input type="checkbox"/> -1
ItemAppearance	DevExpress.XtraBars.Ba
ItemClickFireMode	Default
ItemInMenuAppearance	DevExpress.XtraBars.Ba
MenuOrder	0

3. Các Controls cơ bản

RibbonControl

=> Code, lúc khởi tạo Form 1 và chạy

```
using System.Data;  
using System.Drawing;  
using System.Text;  
using System.Windows.Forms;  
using DevExpress.XtraBars;
```

```
namespace DXWindowsApplication1
```

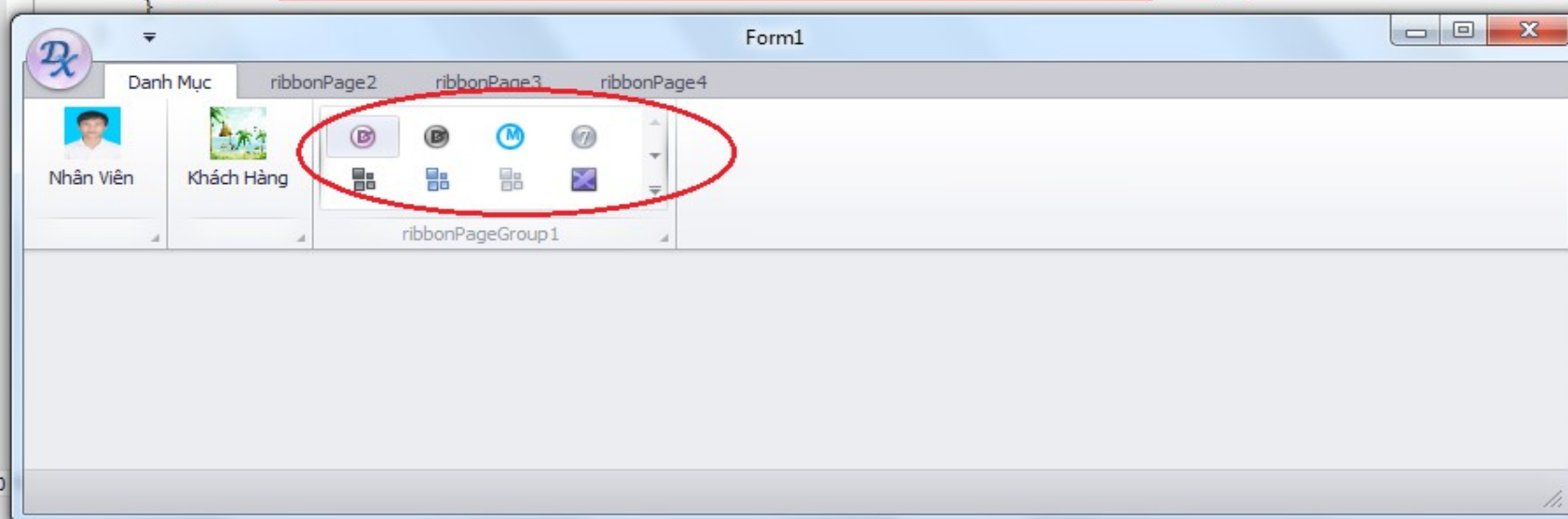
```
{  
    public partial class Form1 : DevExpress.XtraBars.Ribbon.RibbonForm
```

```
{  
    public Form1()
```

```
{  
        InitializeComponent();
```

```
        DevExpress.XtraBars.Helpers.SkinHelper.InitSkinGallery(ribbonGalleryBarItem1, true);  
    }  
}
```

Tên Gallery



3. Các Controls cơ bản

» NavBarcontrol

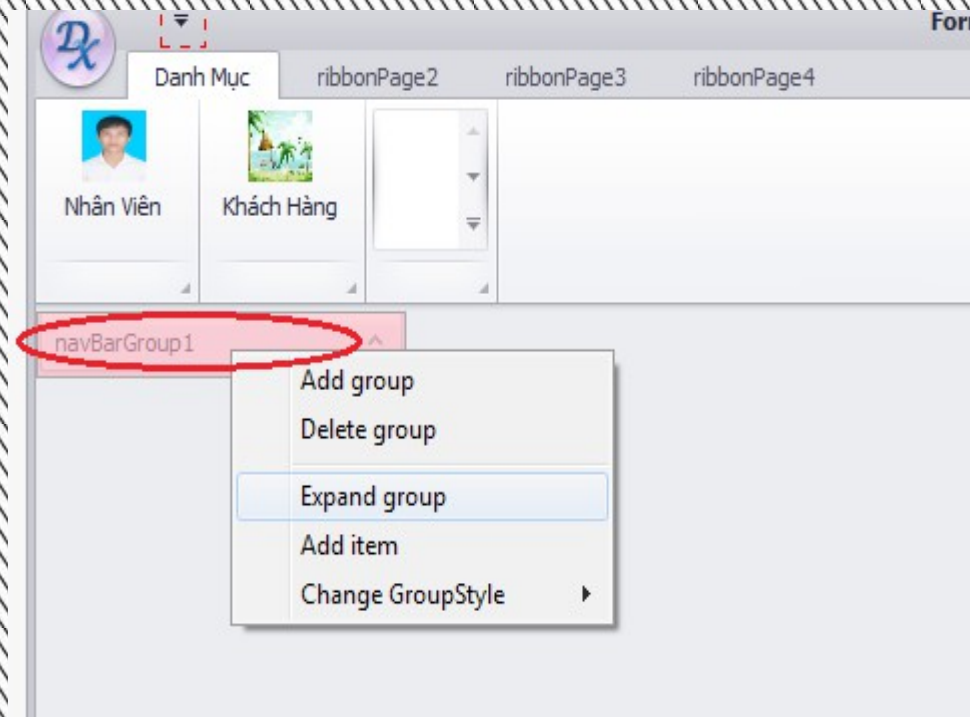
The image shows a screenshot of a design tool interface for configuring the DevExpress XtraNavBar control. The interface is divided into three main sections:

- Left Panel (Control Tree):** Lists various DevExpress controls. Two controls are highlighted with red circles and numbers:
 - SplitterControl 1** (highlighted with a red circle and the number 1).
 - NavBarControl 2** (highlighted with a red circle and the number 2).
- Center Panel (Design View):** Displays the visual representation of the XtraNavBar control. It shows a ribbon bar at the top with tabs labeled "Danh Mục", "ribbonPage2", "ribbonPage3", and "ribbonPage4". Below the ribbon bar, there are two buttons labeled "Nhân Viên" and "Khách Hàng". The main area of the control is labeled "navBarGroup1".
- Right Panel (Properties Window):** Shows the properties of the selected control, "DevExpress.XtraNavBar". The "Dock" property is highlighted with a red circle and the number 3, indicating it is set to "Fill". Other visible properties include "Appearance", "Font", "Groups", and "Items".



3. Các Controls cơ bản

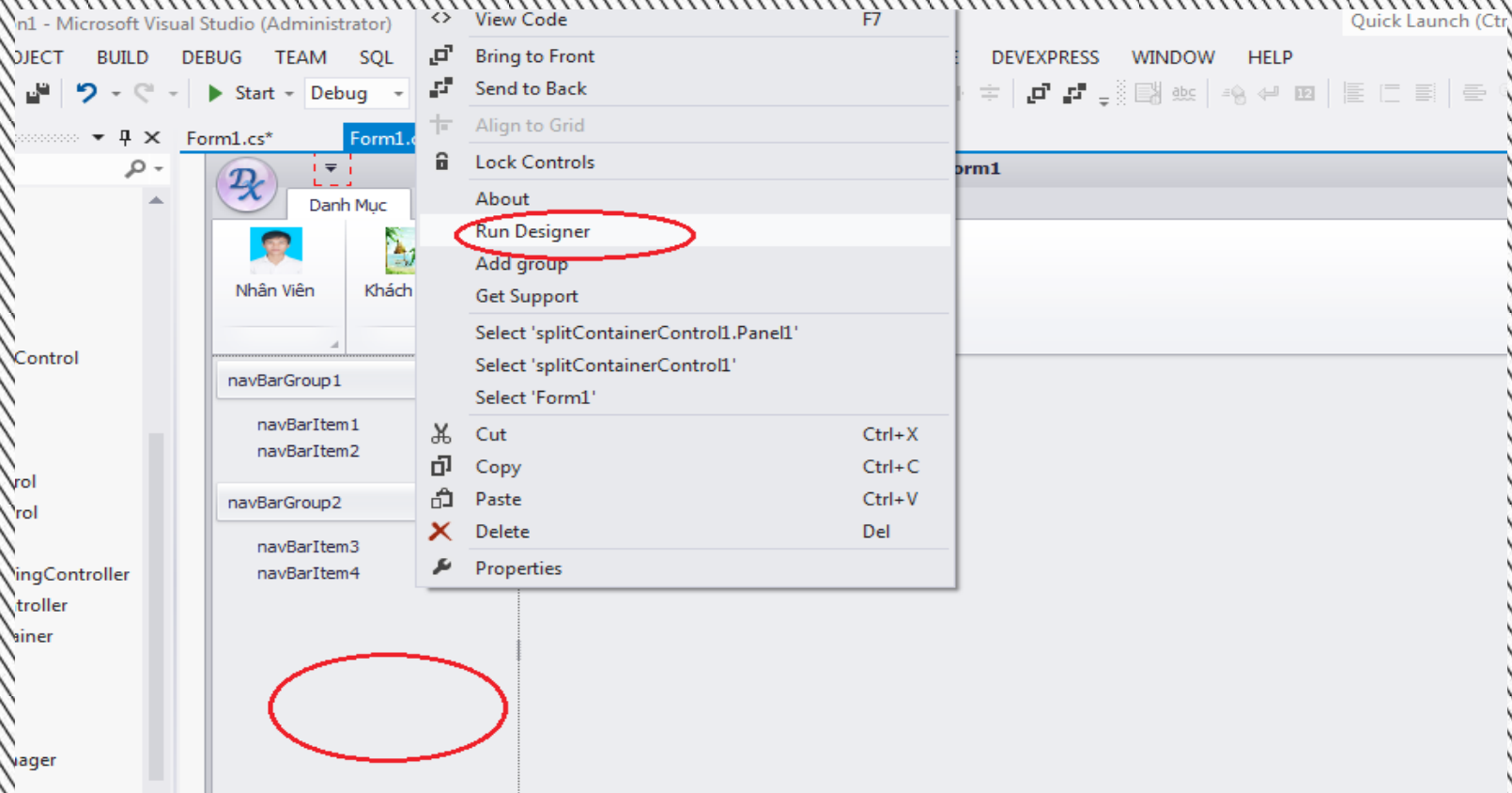
» NavBarcontrol



3. Các Controls cơ bản

» NavBarcontrol

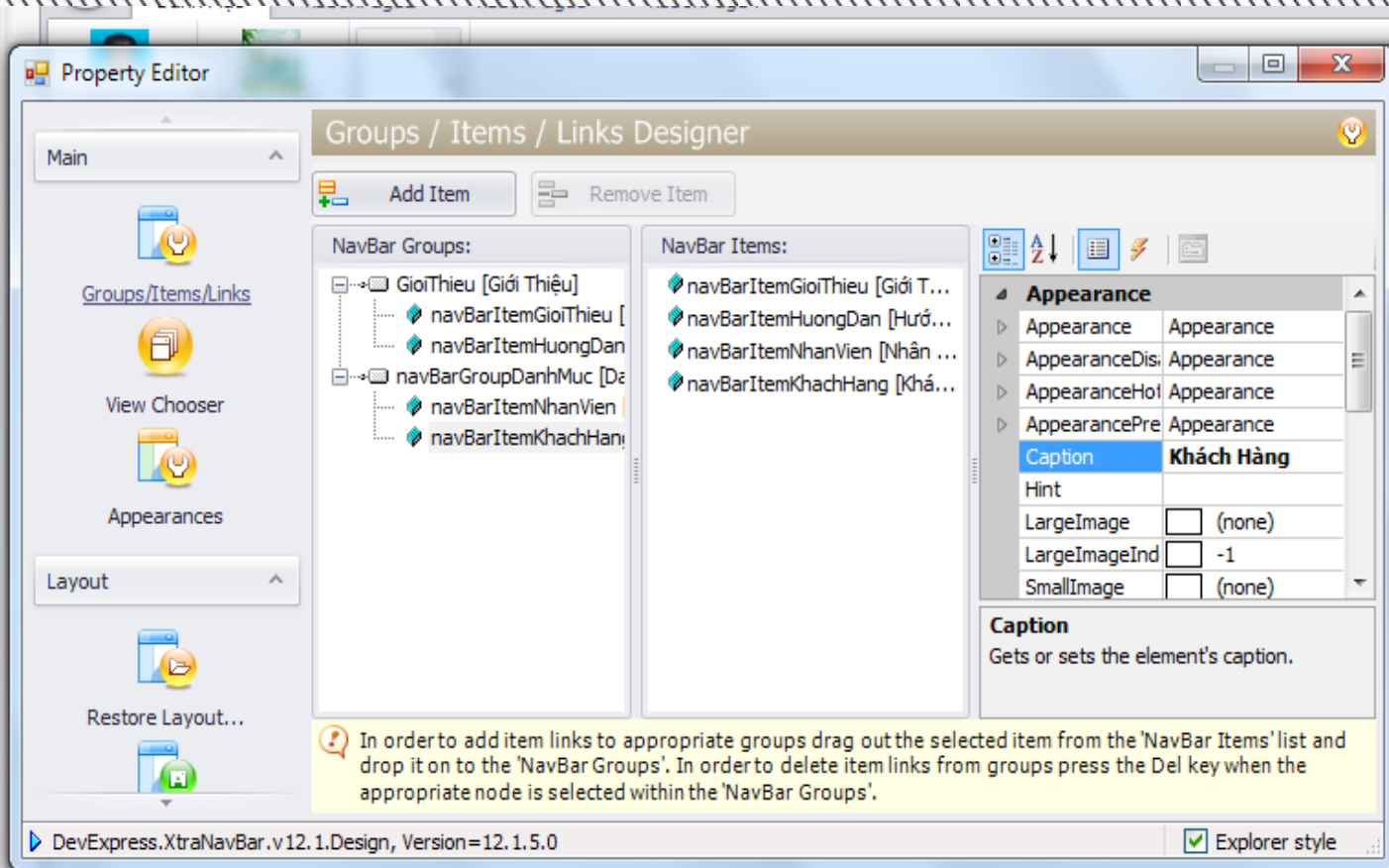
» Click chuột phải lên navBar => Run Designer



3. Các Controls cơ bản

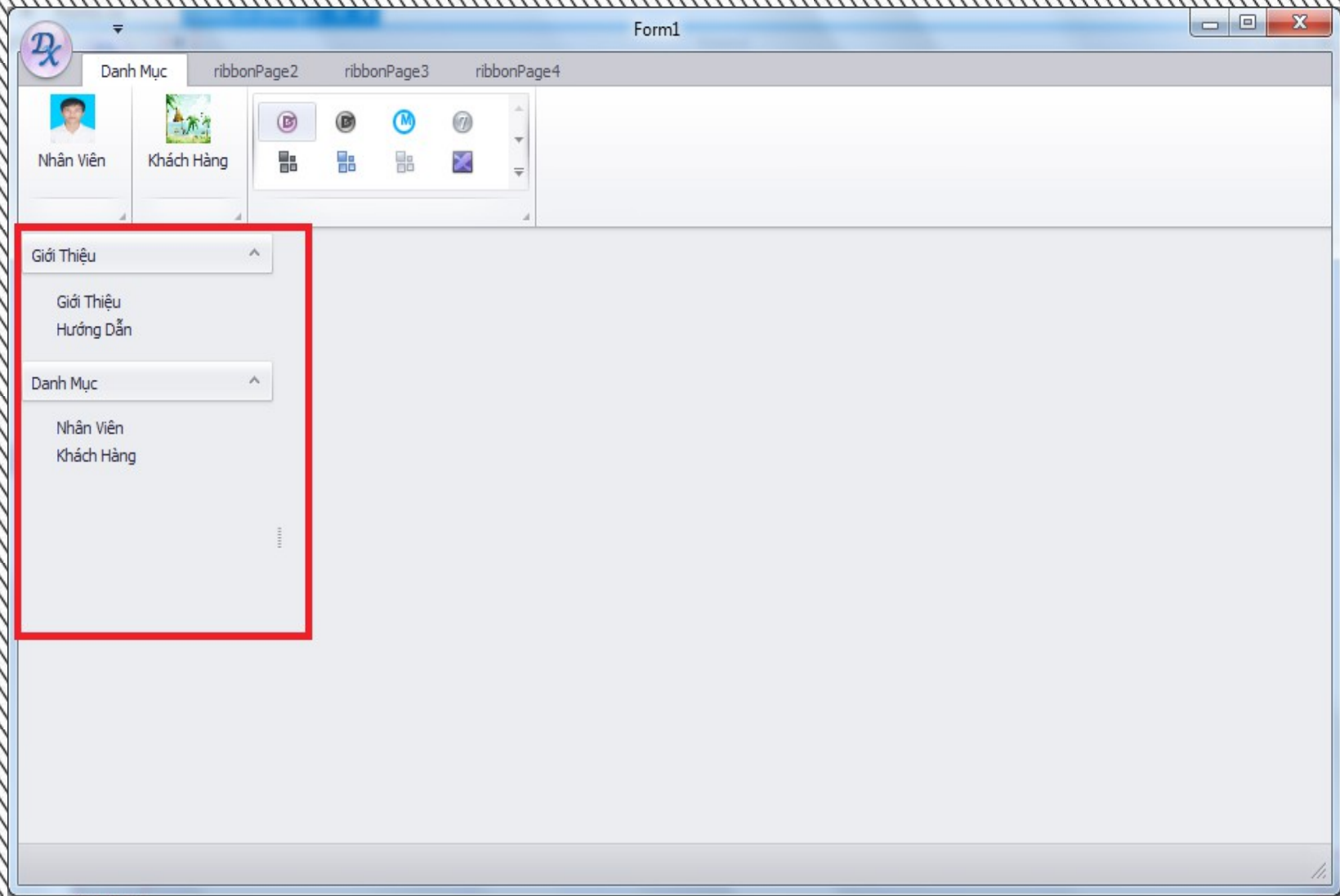
» **NavBarcontrol**

» Đặt tên và Caption



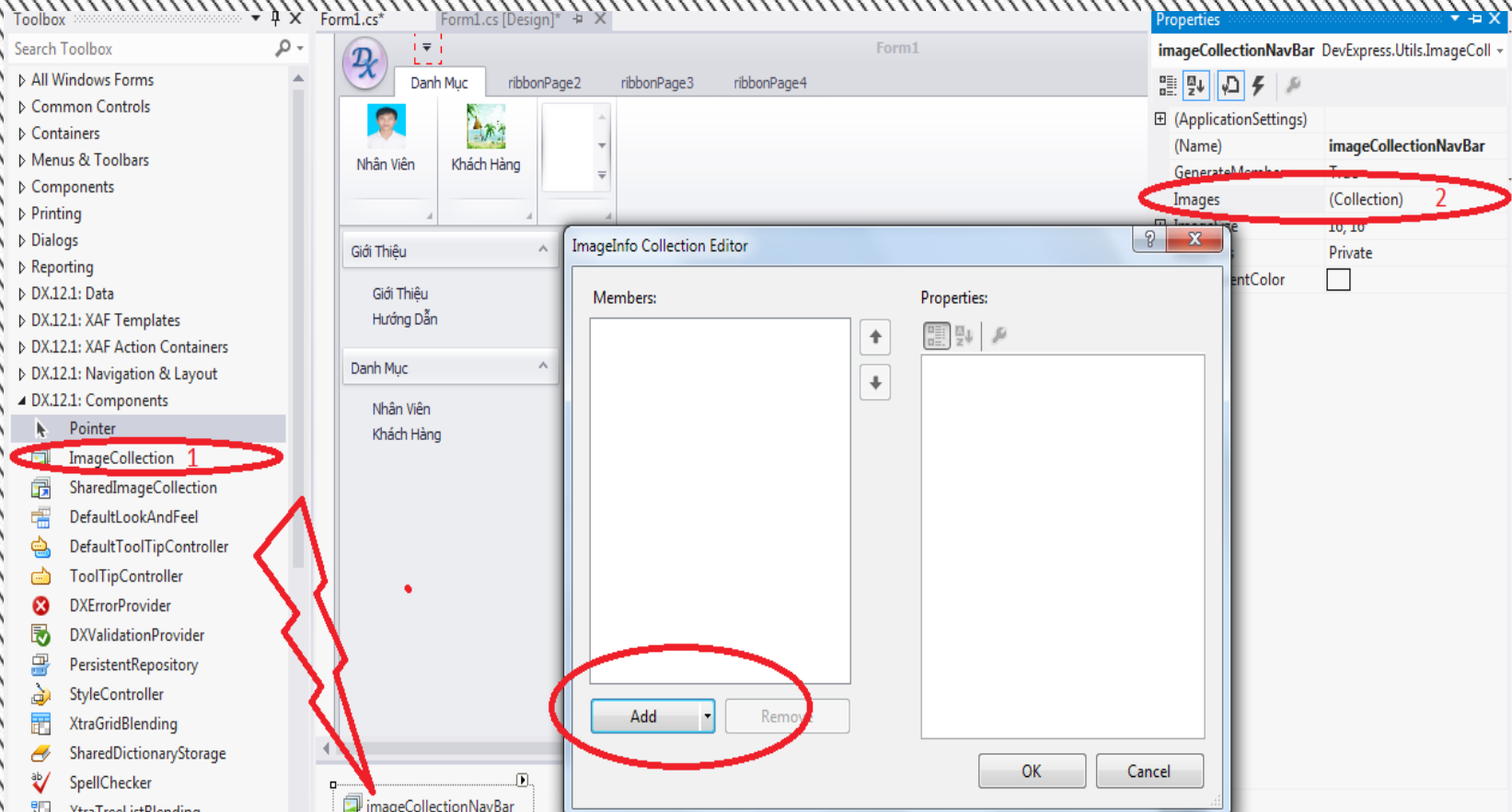
3. Các Controls cơ bản

» NavBarcontrol



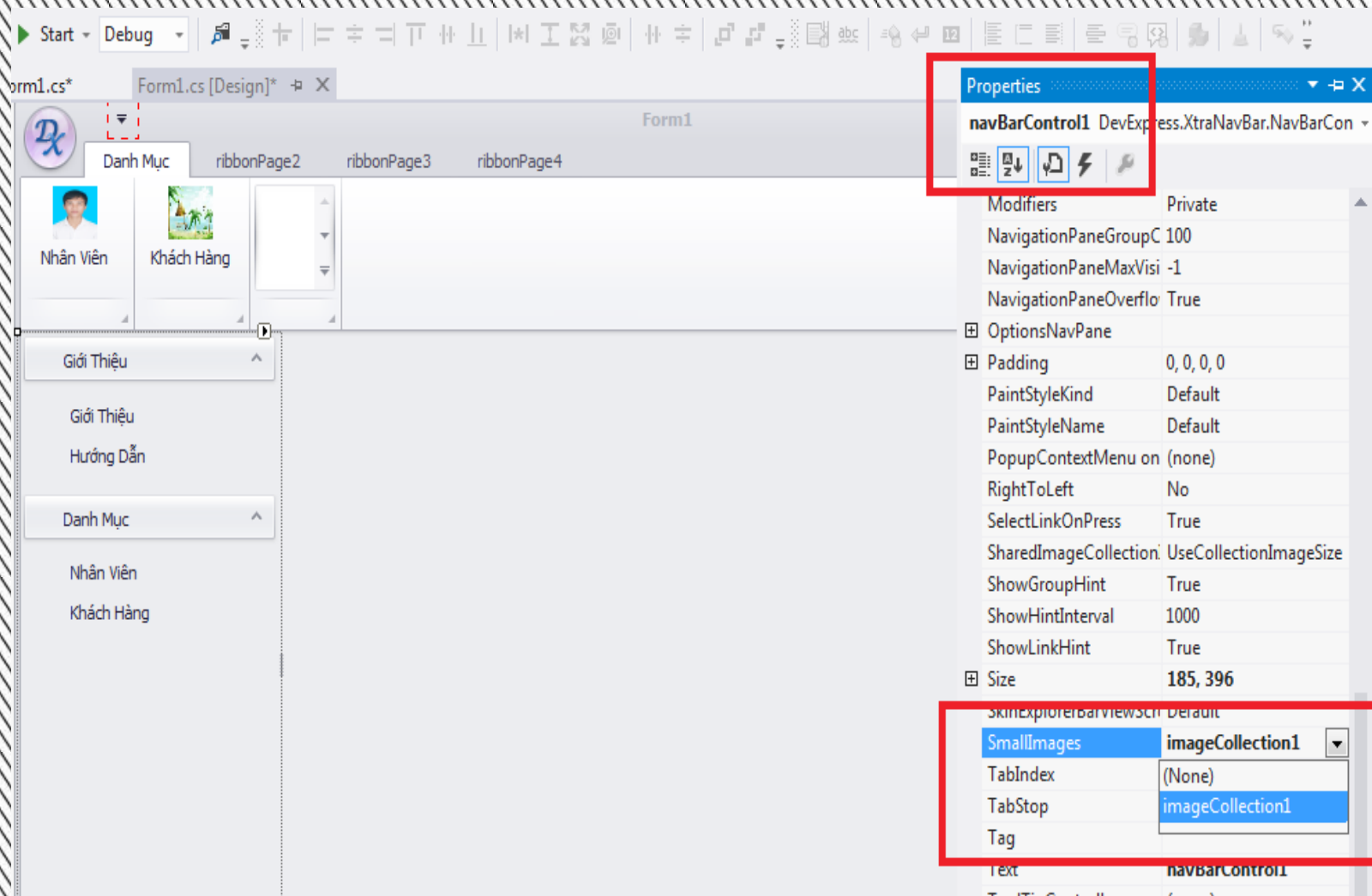
3. Các Controls cơ bản

» NavBarcontrol



3. Các Controls cơ bản

» NavBarcontrol



3. Các Controls cơ bản

» NavBarcontrol

The screenshot shows the DevExpress NavBar control designer. The 'Groups / Items / Links Designer' window is open, displaying a tree view of NavBar Groups and Items. The 'Appearance' tab is selected, showing properties for the selected item. A red box highlights the 'SmallImageIndex' property, which is set to -1. A tooltip at the bottom explains how to add and remove item links.

NavBar Groups:

- GioThieu [Giới Thiệu]
 - navBarItemGioThieu [Giới Thiệu]
 - navBarItemHuongDan [Hướng Dẫn]
- navBarGroupDanhMuc [Danh Mục]
 - navBarItemNhanVien [Nhân Viên]
 - navBarItemKhachHang [Khách Hàng]

NavBar Items:

- navBarItemGioThieu [Giới Thiệu]
- navBarItemHuongDan [Hướng Dẫn]
- navBarItemNhanVien [Nhân Viên]
- navBarItemKhachHang [Khách Hàng]

Appearance Properties:

Property	Value
Caption	Giới Thiệu
Hint	
LargeImage	(none)
LargeImageInd	-1
SmallImage	(none)
SmallImageInd	-1
Visible	4
Behavior	5
CanDrag	6
SmallImageInd	7
Specifies the element index within the source	8
	9
	10

In order to add item links to appropriate groups drag out the selected item from the 'NavBar Items' list and drop it on to the 'NavBar Groups'. In order to delete item links from groups press the Del key when the appropriate node is selected within the 'NavBar Groups'.

3. Các Controls cơ bản

» NavBarController

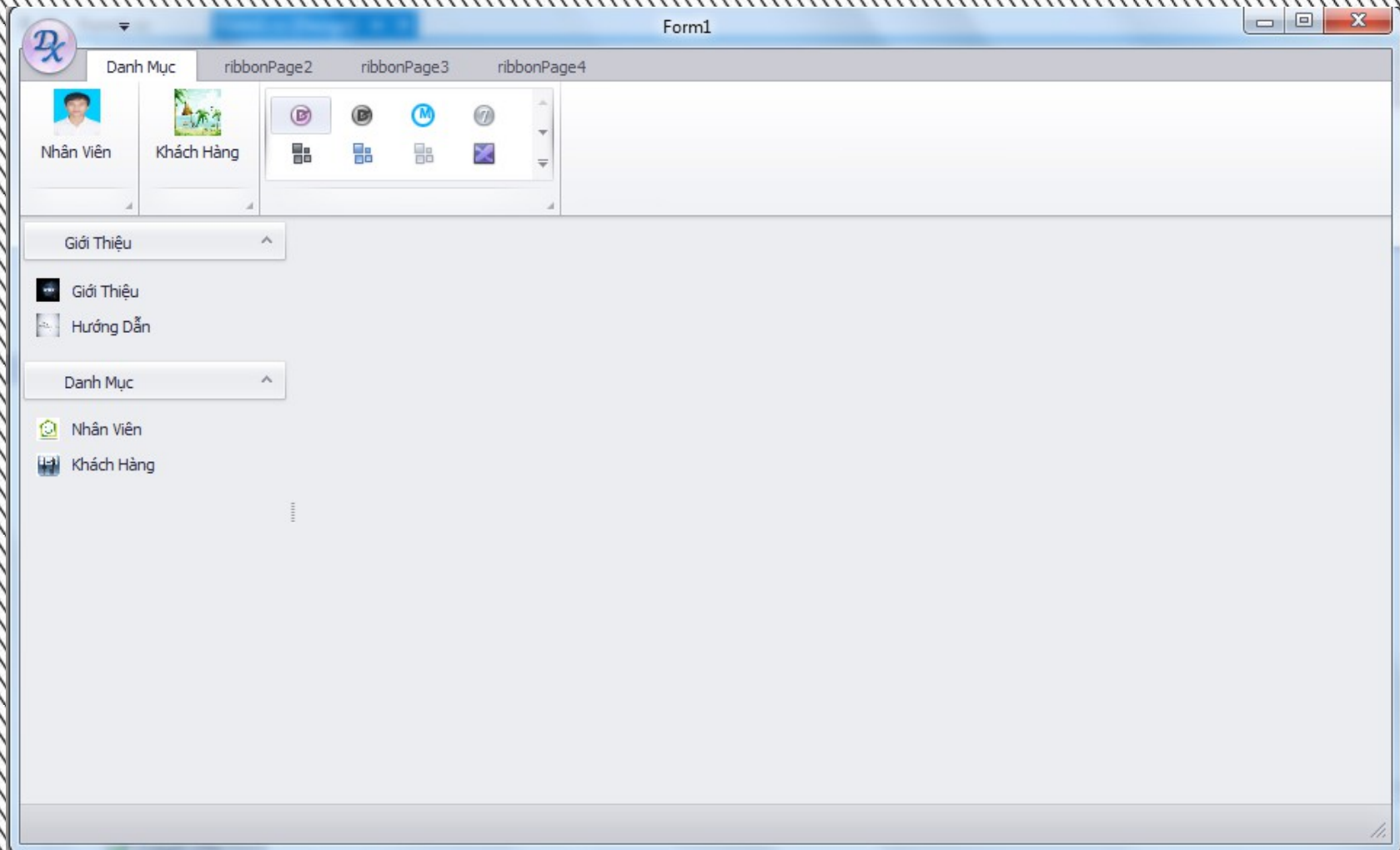
The screenshot displays a DevExpress XtraNavBar control in a WinForms application. The control is titled 'Form1' and shows a sidebar with a 'Danh Mục' (Menu) section containing 'Giới Thiệu' (Introduction) and 'Hướng Dẫn' (Help). Below this is a 'Nhân Viên' (Employee) section with a 'Khách Hàng' (Customer) item highlighted in red. A red arrow points from this item to the 'Properties' window on the right, which shows the 'SmallImageIndex' property set to 9.

Properties Window:

Property	Value
(ApplicationSettings)	
(Name)	navBarItemKhachHang
Appearance	Appearance
AppearanceDisabled	Appearance
AppearanceHotTracked	Appearance
AppearancePressed	Appearance
CanDrag	True
Caption	Khách Hàng
Enabled	True
GenerateMember	True
Hint	
LargeImage	(none)
LargeImageIndex	-1
Modifiers	Private
SmallImage	(none)
SmallImageIndex	9
Tag	3
Visible	4

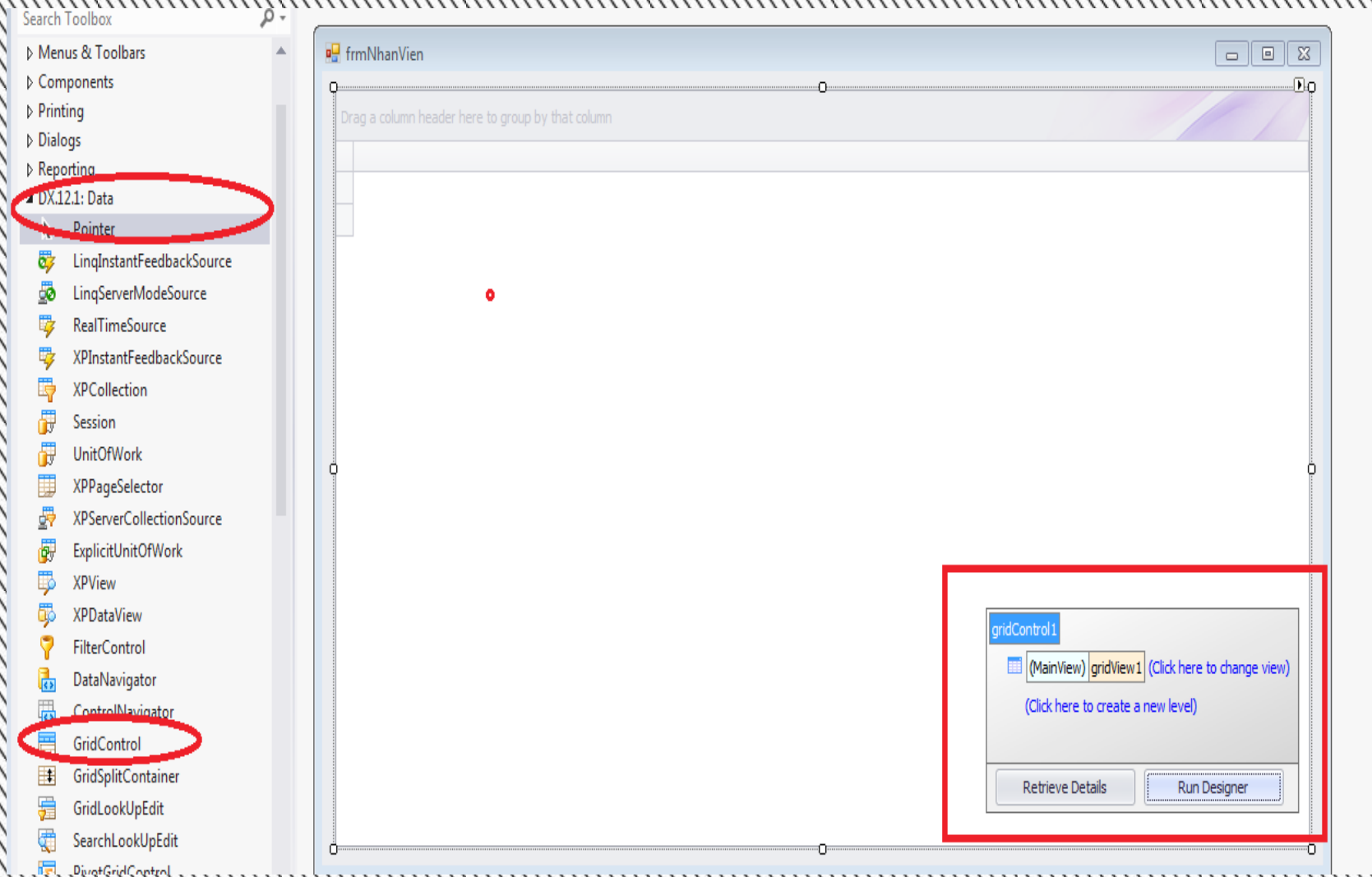
3. Các Controls cơ bản

» NavBarcontrol



3. Các Controls cơ bản

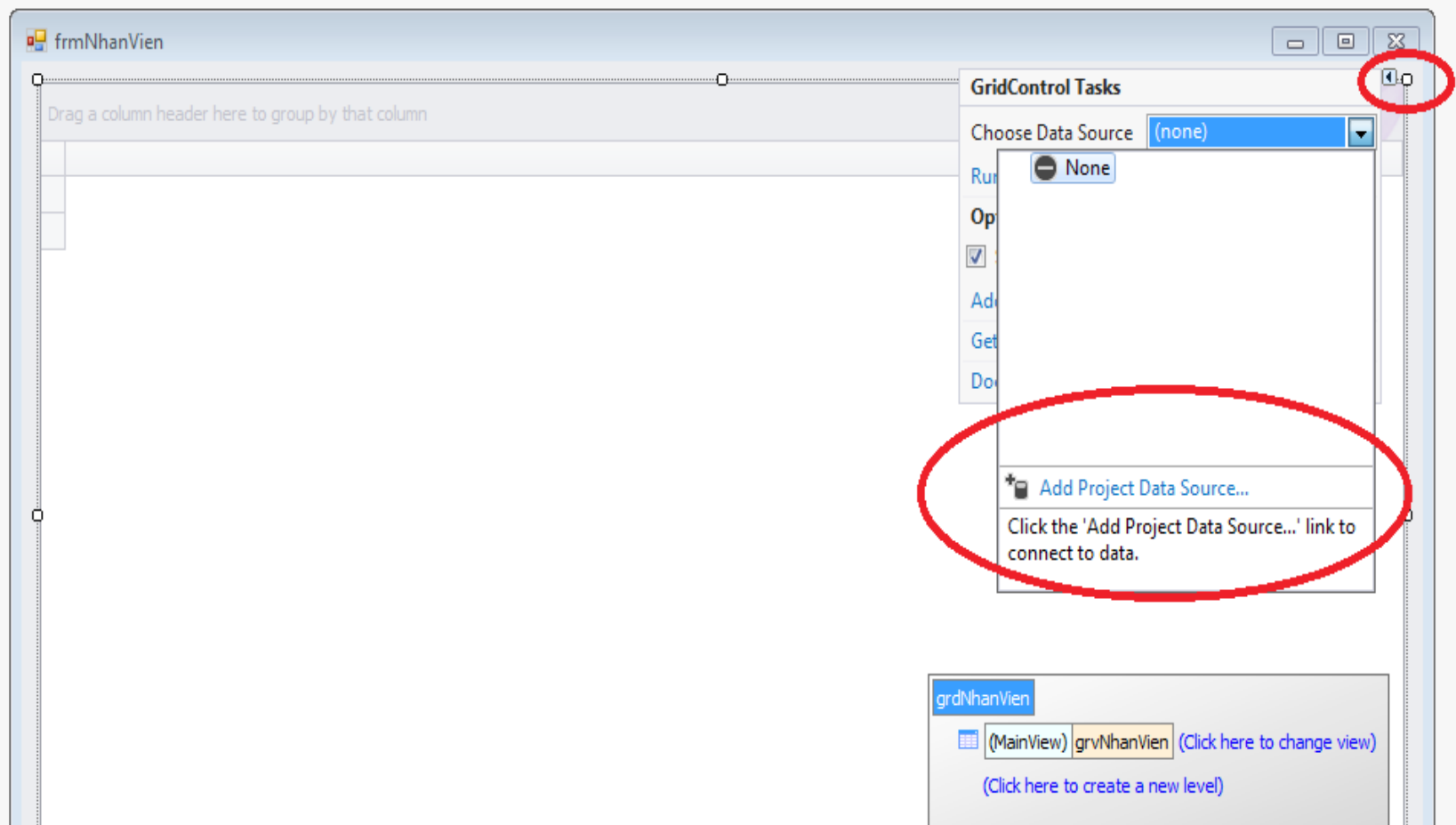
» GridControl



3. Các Controls cơ bản

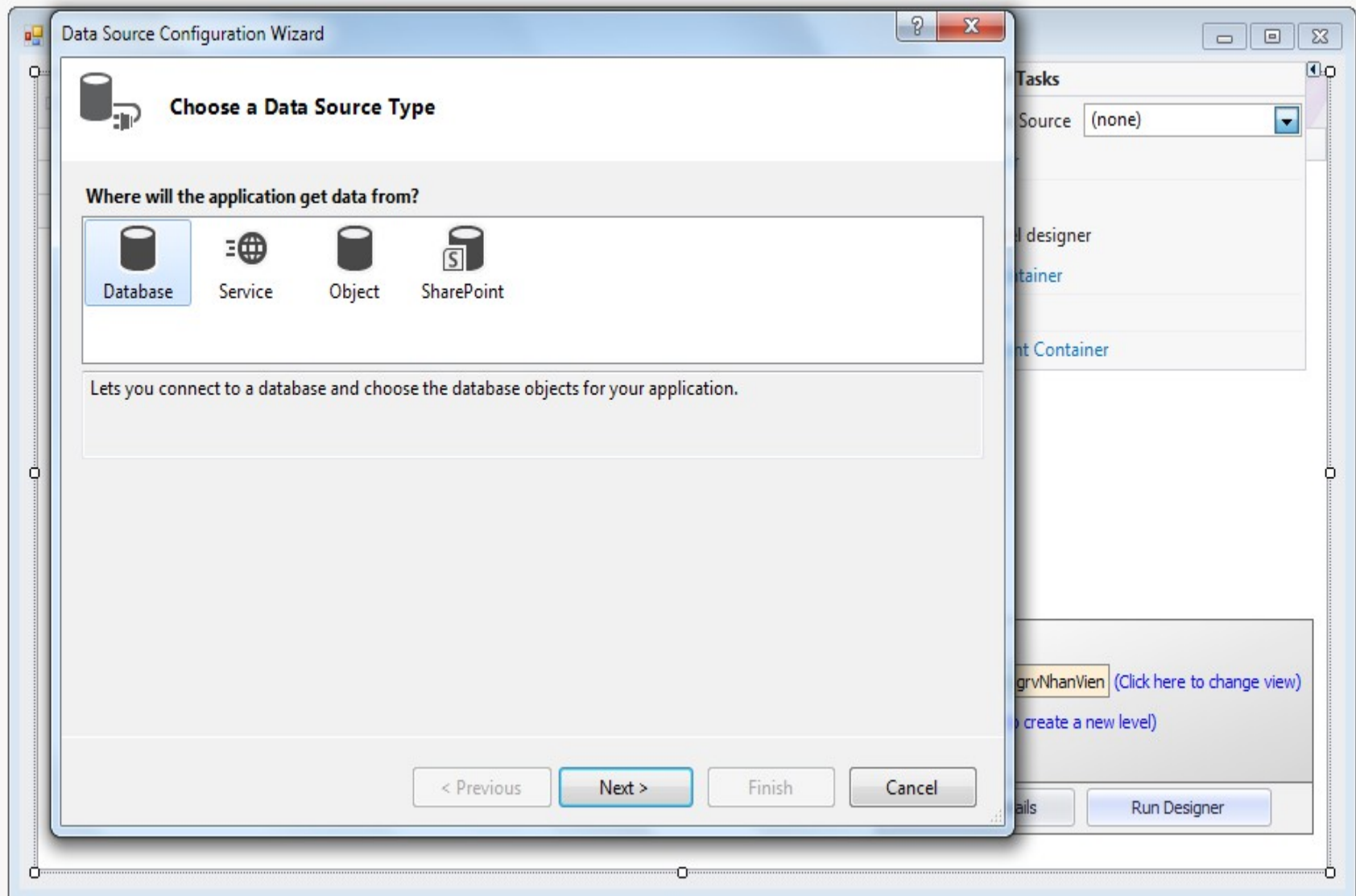
» GridControl

frmNhanVien.cs [Design]* Form1.cs* Form1.cs [Design]*



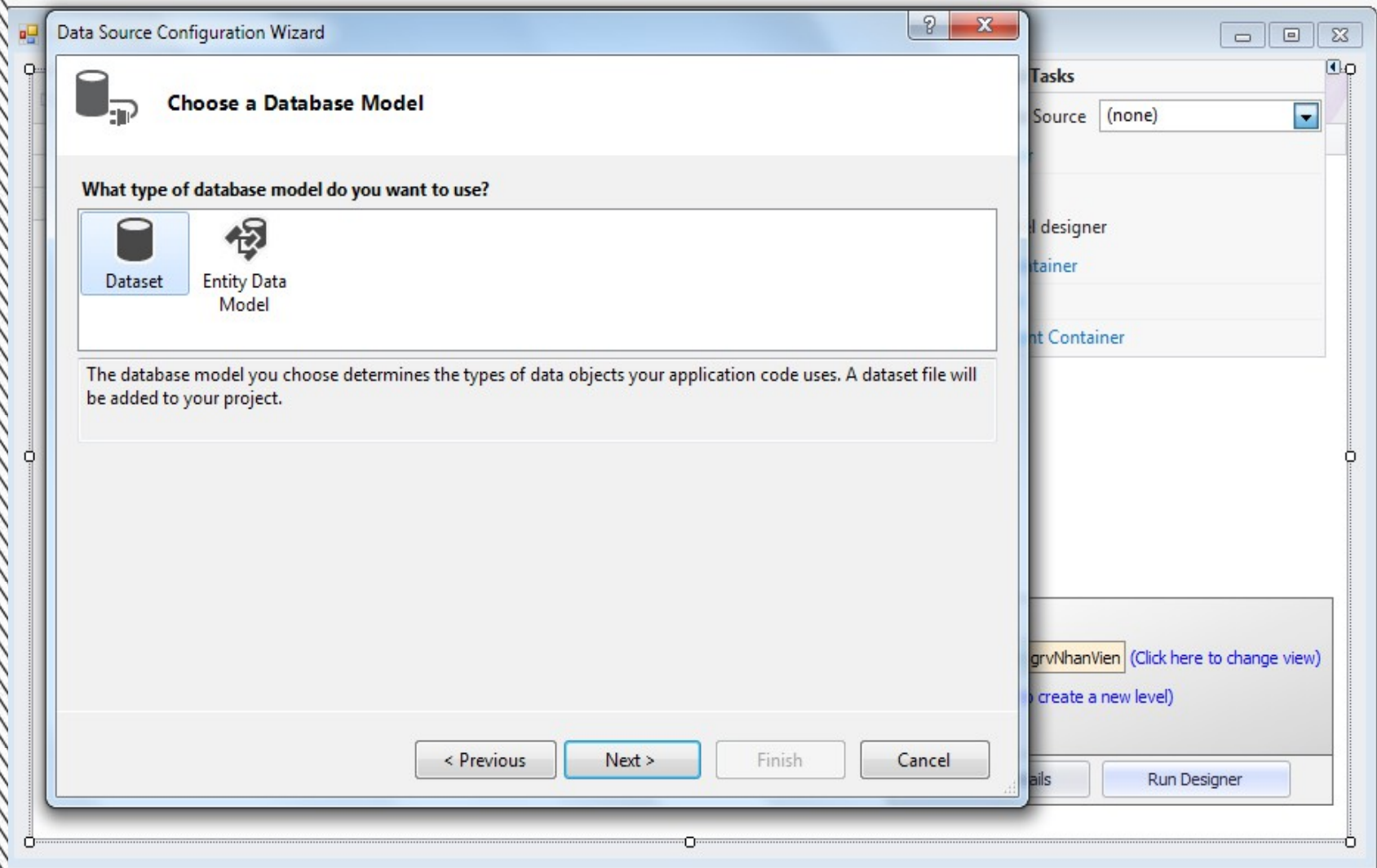
3. Các Controls cơ bản

» GridControl



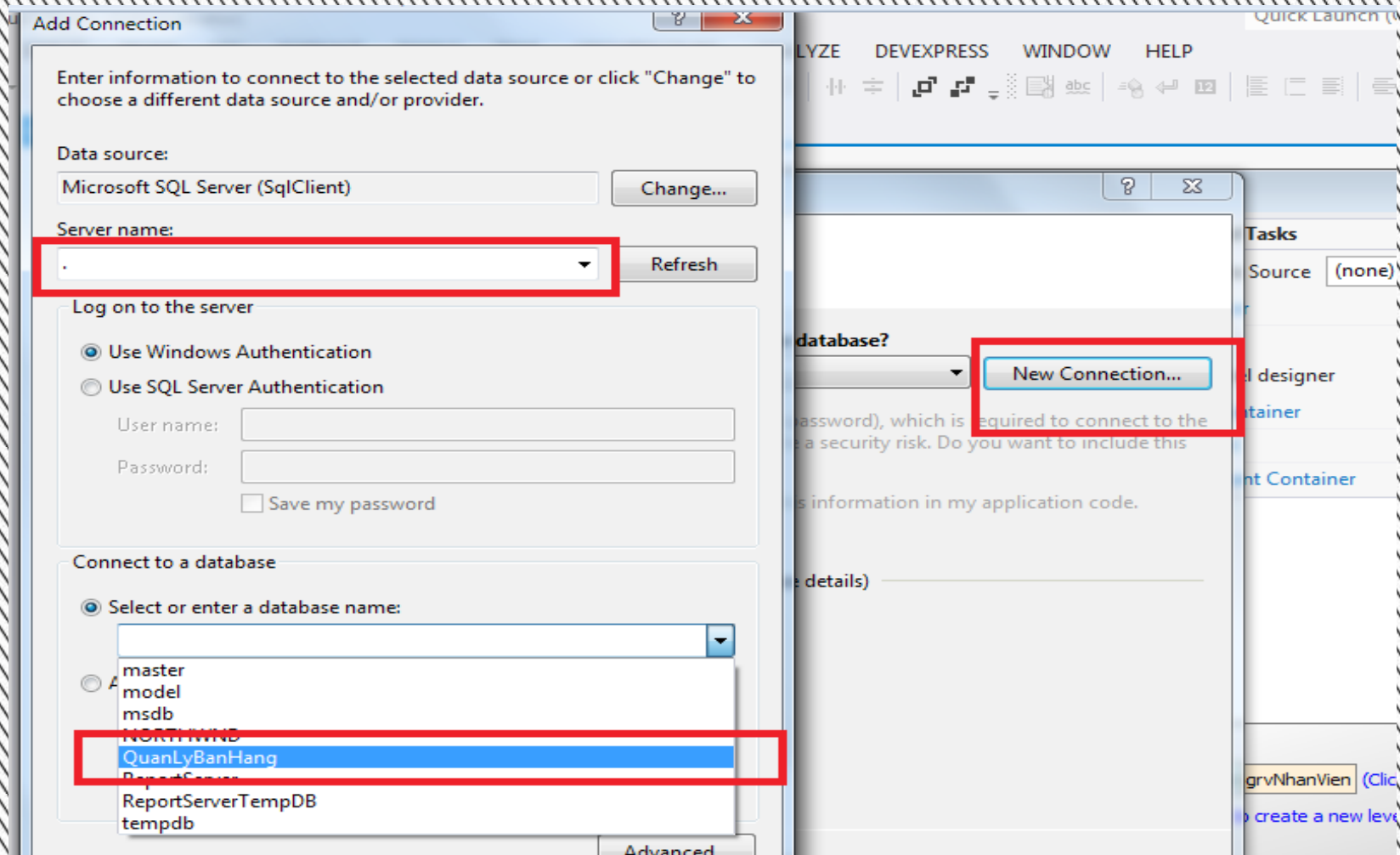
3. Các Controls cơ bản

» GridControl



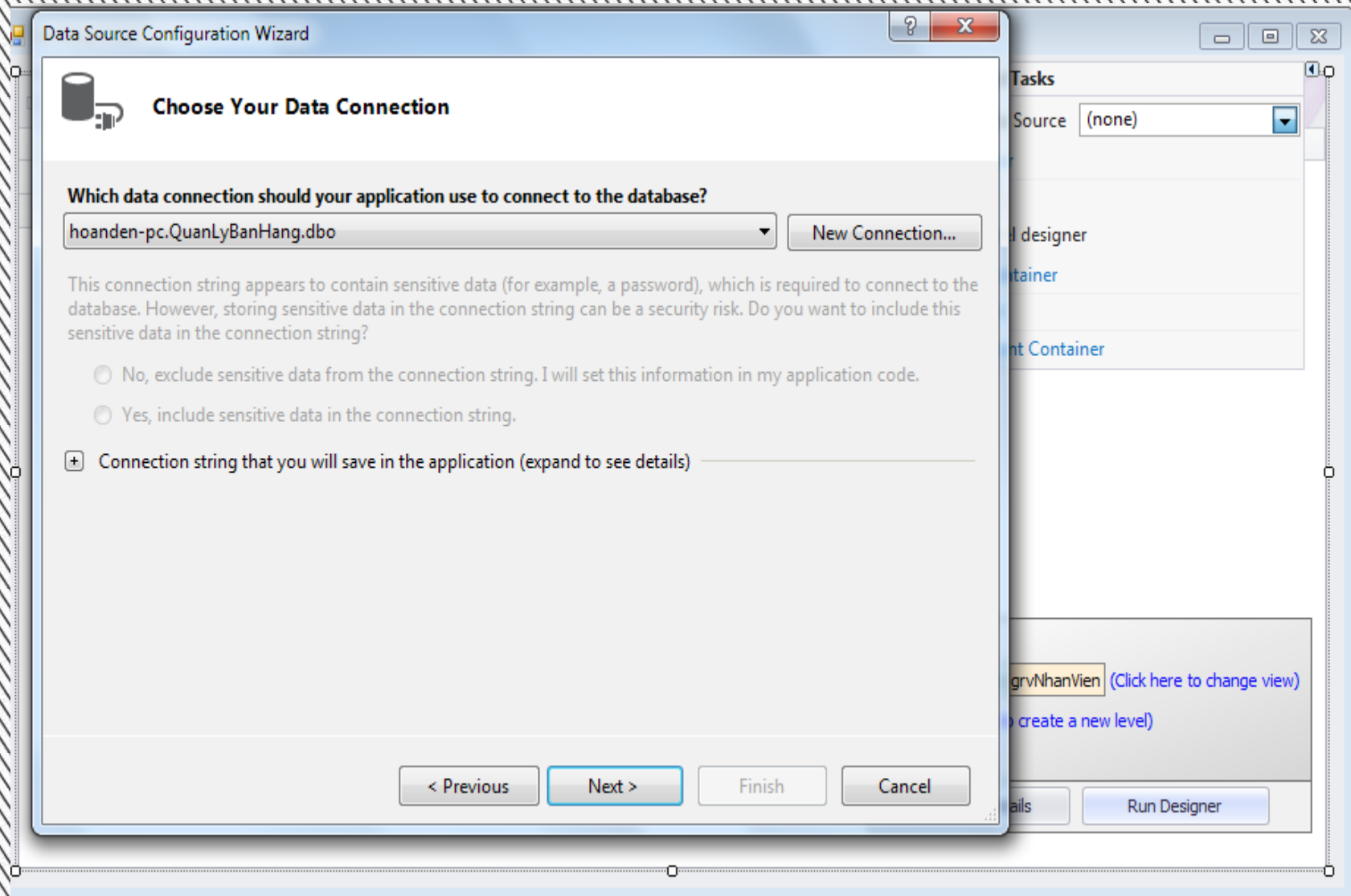
3. Các Controls cơ bản

» GridControl



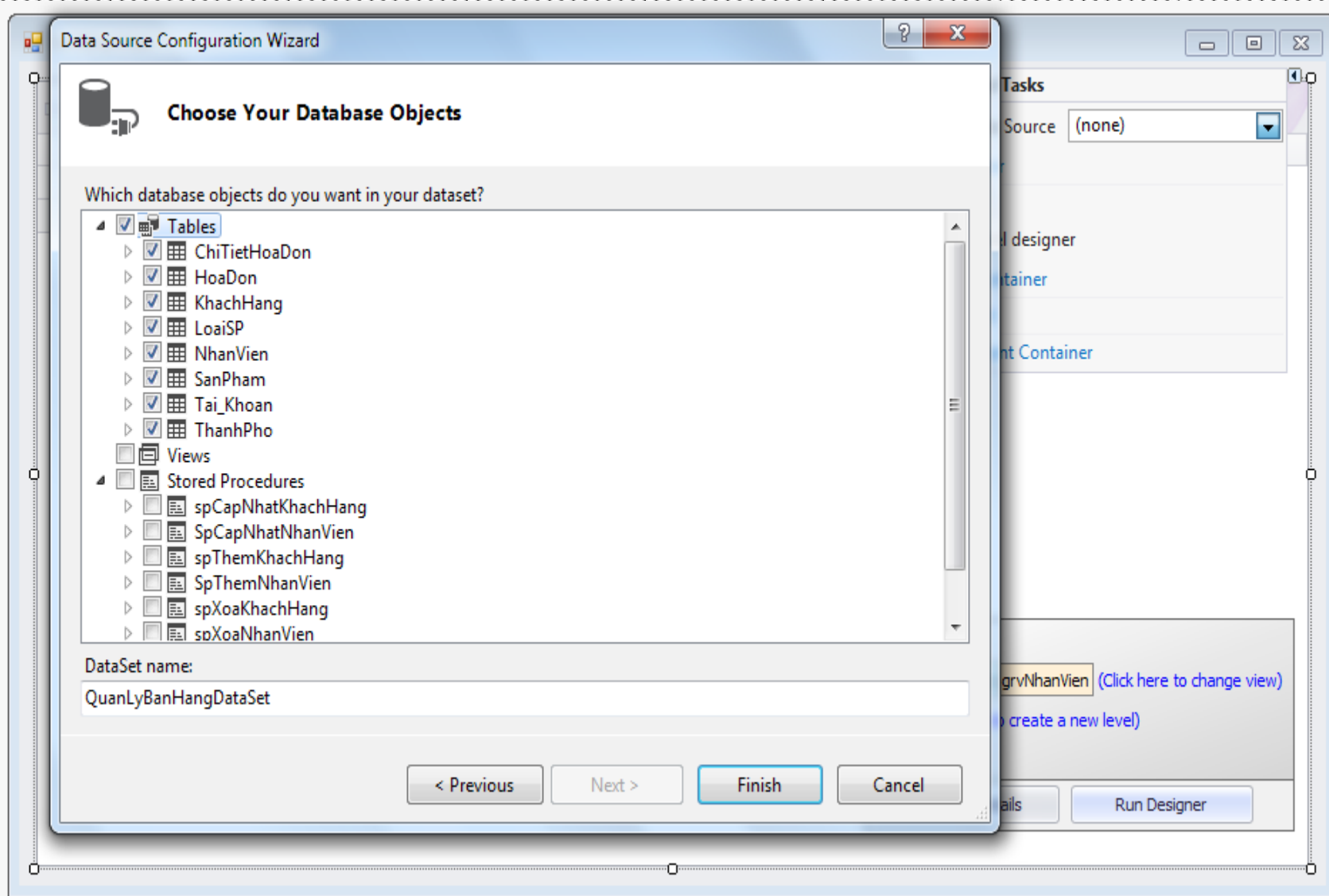
3. Các Controls cơ bản

» GridControl



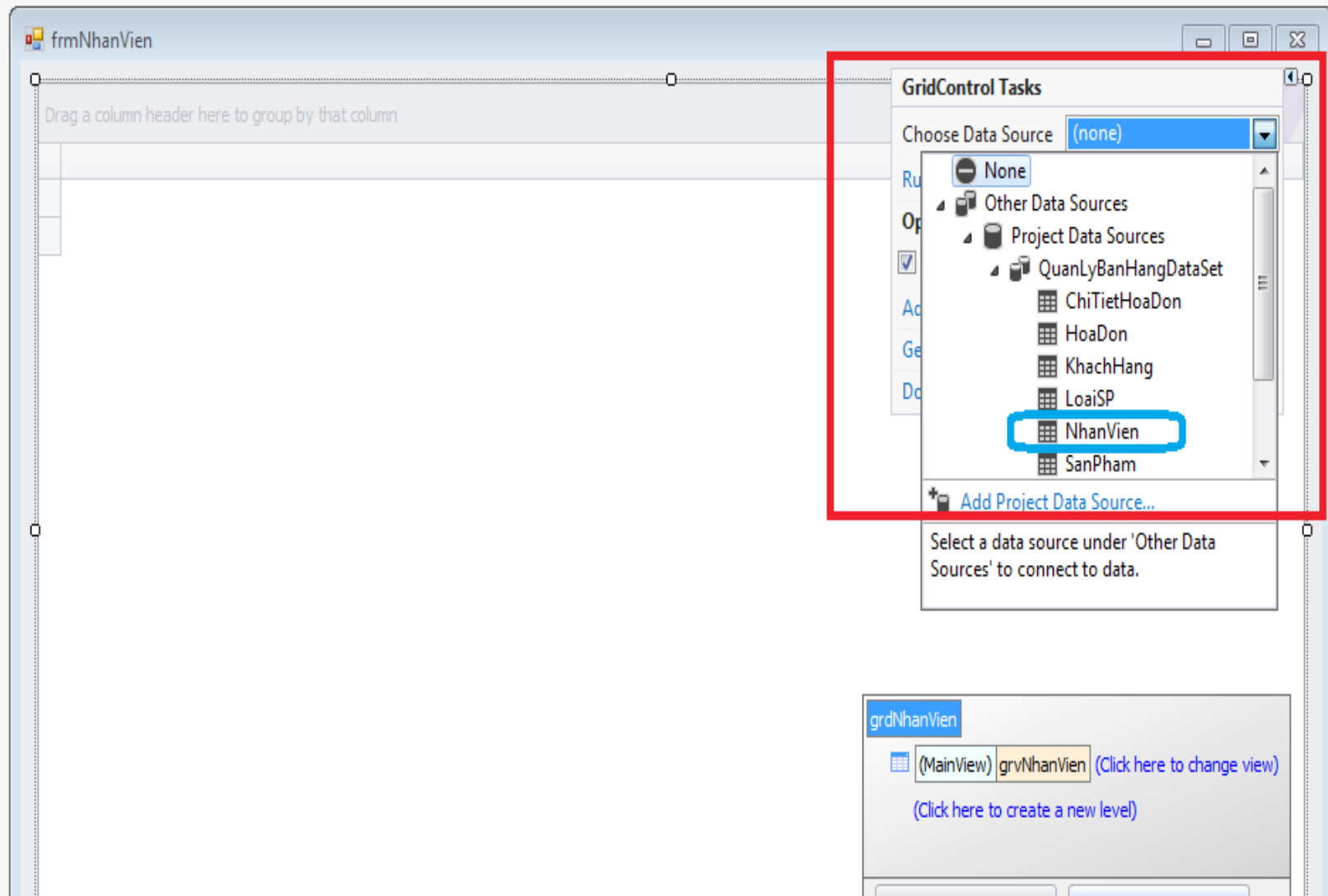
3. Các Controls cơ bản

» GridControl



3. Các Controls cơ bản

» GridControl



3. Các Controls cơ bản

» GridControl

frmNhanVien.cs [Design] Form1.cs Form1.cs [Design]

frmNhanVien

Drag a column header here to group by that column

Ma NV	Ho	Ten	Nu	Ngày NV	Địa Chi	Điện Thoại	Hình
⊕ string	string	string	☐	3/29/2013	string	string	
⊕ string	string	string	☐	3/29/2013	string	string	

grdNhanVien

(MainView) grvNhanVien (Click here to change view)

(Click here to create a new level)

Retrieve Details Run Designer

3. Các Controls cơ bản

» GridControl

Property Editor

Selected View: grvNhanVien

Feature Browser

- Main
 - Views
 - Grouping
 - Group Panel
 - Group Rows
 - Group Summary
 - Context Menus
 - Joined Group Panel
 - Behavior
 - End User Actions
 - Filtering
 - Summary
 - Editing
 - Focus, Selection, Navigation
 - Master-Detail
 - Appearance
 - Visual Elements
 - Behavior
 - End-user Actions
 - Printing Settings
 - Columns
 - Feature Browser
 - Layout
 - Group Summary Items
 - Appearance

Note that the property grid is filtered. It's showing only the properties and events that are related to the currently selected feature.

☐ Don't display this message again. Close

General

The Group Panel allows end-user grouping. Dragging a column header onto the Group Panel results in grouping the view against that column.

Visibility:
☒ OptionsView.
option.

Content:
GroupPanelText

Appearance

- GroupPanel Appearance
- GroupPanelText **Danh Sách Nhân Viên**
- OptionsView
- ShowGroupPa: True

GroupPanelText

Gets or sets the text displayed within the group panel.

grdNhanVien

(MainView) grvNhanVien (Click here to change view)

(Click here to create a new level)

Retrieve Details Run Designer

Dia Chi	Dien Thoai	Hinh
string	string	
string	string	

DevExpress.XtraGrid.v12.1.Design, Version=12.1.5.0 Explorer style

3. Các Controls cơ bản

» GridControl

frmNhanVien.cs [Design] Form1.cs Form1.cs [Design]

frmNhanVien

Danh Sách Nhân Viên

Mã NV	Họ	Tên	Nu	Ngày NV	Địa Chỉ	Điện Thoại	Hình
string	string	string	<input type="checkbox"/>	3/29/2013	string	string	
string	string	string	<input type="checkbox"/>	3/29/2013	string	string	

grdNhanVien

(MainView) grvNhanVien (Click here to change view)

(Click here to create a new level)

Retrieve Details Run Designer

3. Các Controls cơ bản

» GridControl

Property Editor

Selected View : grvNhanVien

Feature Browser

- Main
- Views
- Columns
- Feature Browser**
- Layout
- Group Summary Items
- Appearance

Grouping

- Group Panel
- Group Rows
- Group Summary
- Context Menus
- Joined Group Panel
- Behavior
- End User Actions

Filtering

- Summary
- Editing
- Focus, Selection, Navigation
- Master-Detail
- Appearance
- Visual Elements
- Behavior
- End-user Actions
- Printing Settings

Note that the property grid is filtered. It's showing only the properties and events that are related to the currently selected feature.

☐ Don't display this message again. Close

General

Appearance

- GroupPanel Appearance**
- BackColor
- BackColor
- BorderCo
- Font **Times New Roman**
- ForeColor **Red**
- Gradient/ Horizontal
- Image (none)

GroupPanel

Gets the appearance settings used to paint the group panel.

Visibility: ☒ OptionsView. option.

Content: GroupPanelText

DevExpress.XtraGrid.v12.1.Design, Version=12.1.5.0 Explorer style

Dia Chi	Dien Thoai	Hinh
string	string	
string	string	

grvNhanVien

(MainView) grvNhanVien [\(Click here to change view\)](#)

[\(Click here to create a new level\)](#)

Retrieve Details Run Designer

3. Các Controls cơ bản

» GridControl

Property Editor

Selected View : grvNhanVien

Layout

Load Layout... Save Layout... Show columns selector

Grid Preview

Danh Sách Nhân Viên

Mã NV	Họ	Tên	Nu	Ngày NV	Địa Chi	Điện Thoại	Hình

Preview Data Apply

Modify the view's layout (sorting and grouping settings, column and band arrangement) and click the Apply button to apply the modifications to the current view. You can also save the layout to an XML file (this can be loaded and applied to other views at design time and runtime).

DevExpress.XtraGrid.v12.1.Design, Version=12.1.5.0 Explorer style

grdNhanVien

(MainView) grvNhanVien (Click here to change view)

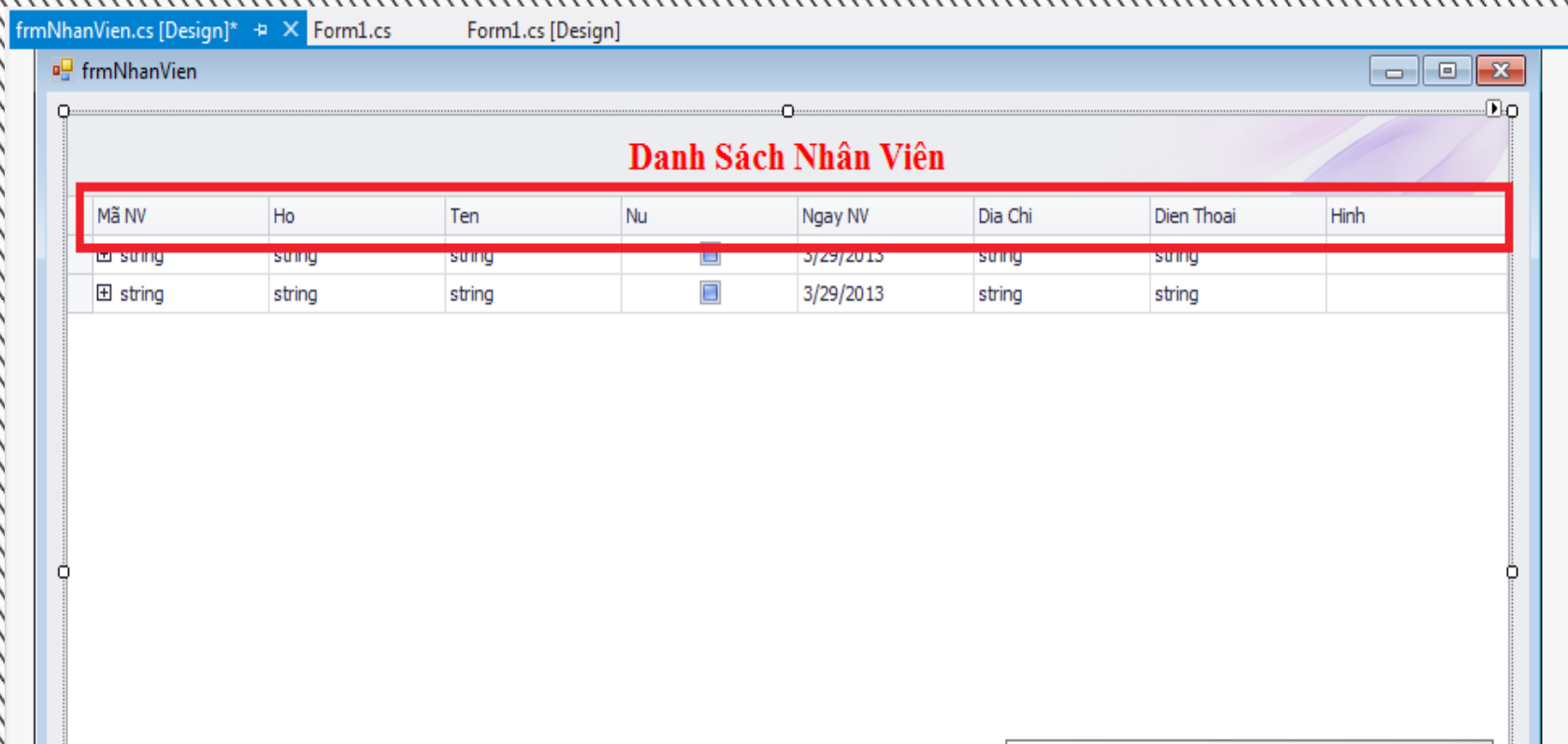
(Click here to create a new level)

Retrieve Details Run Designer

Địa Chi	Điện Thoại	Hình
string	string	
string	string	

3. Các Controls cơ bản

» GridControl



3. Các Controls cơ bản

» GridControl

Property Editor

Selected View : grvNhanVien

Main

Views

Columns

Feature Browser

Layout

Group Summary Items

Appearance

DevExpress.XtraGrid.v12.1.Design, Version=12.1.5.0

Columns (8)

colMaNV <Mã NV>

colHo

colTen

colNu

colNgayNV <Ngày NV>

colDiaChi <Địa Chỉ>

colDienThoai <Điện Thoại>

colHinh

Column properties

Column options

Filter options

AppearanceCell

AppearanceHeader

Caption

CustomizationCaption

DisplayFormat

GroupFormat

ImageAlignment

ImageIndex

MaxWidth

MinWidth

(Name)

Indicates the name used in code to identify the object.

You can add and delete columns, modify their settings, assign in-place editors and enable total summaries.

Retrieve Details

Run Designer

Dia Chi	Dien Thoai	Hinh
string	string	
string	string	

grdNhanVien

(MainView) grvNhanVien (Click here to change view)

(Click here to create a new level)

3. Các Controls cơ bản

» GridControl

Property Editor

Selected View : grvNhanVien

Main

Views

Columns

Feature Browse

Layout

Group Summary Items

Appearance

Layout

Load Layout...

Save Layout...

Show columns selector

Grid Preview

Danh Sách Nhân Viên

Mã NV

Họ

Tên

Nữ

Ngày NV

Địa Chỉ

Điện Thoại

Hình

Preview Data

Apply

Modify the view's layout (sorting and grouping settings, column and band arrangement) and click the Apply button to apply the modifications to the current view. You can also save the layout to an XML file (this can be loaded and applied to other views at design time and runtime).

Main Grid settings (adjust the view, columns, bands, and specify in-place editors and summaries).

Explorer style

Địa Chỉ	Điện Thoại	Hình
string	string	
string	string	

grdNhanVien

(MainView) grvNhanVien (Click here to change view)

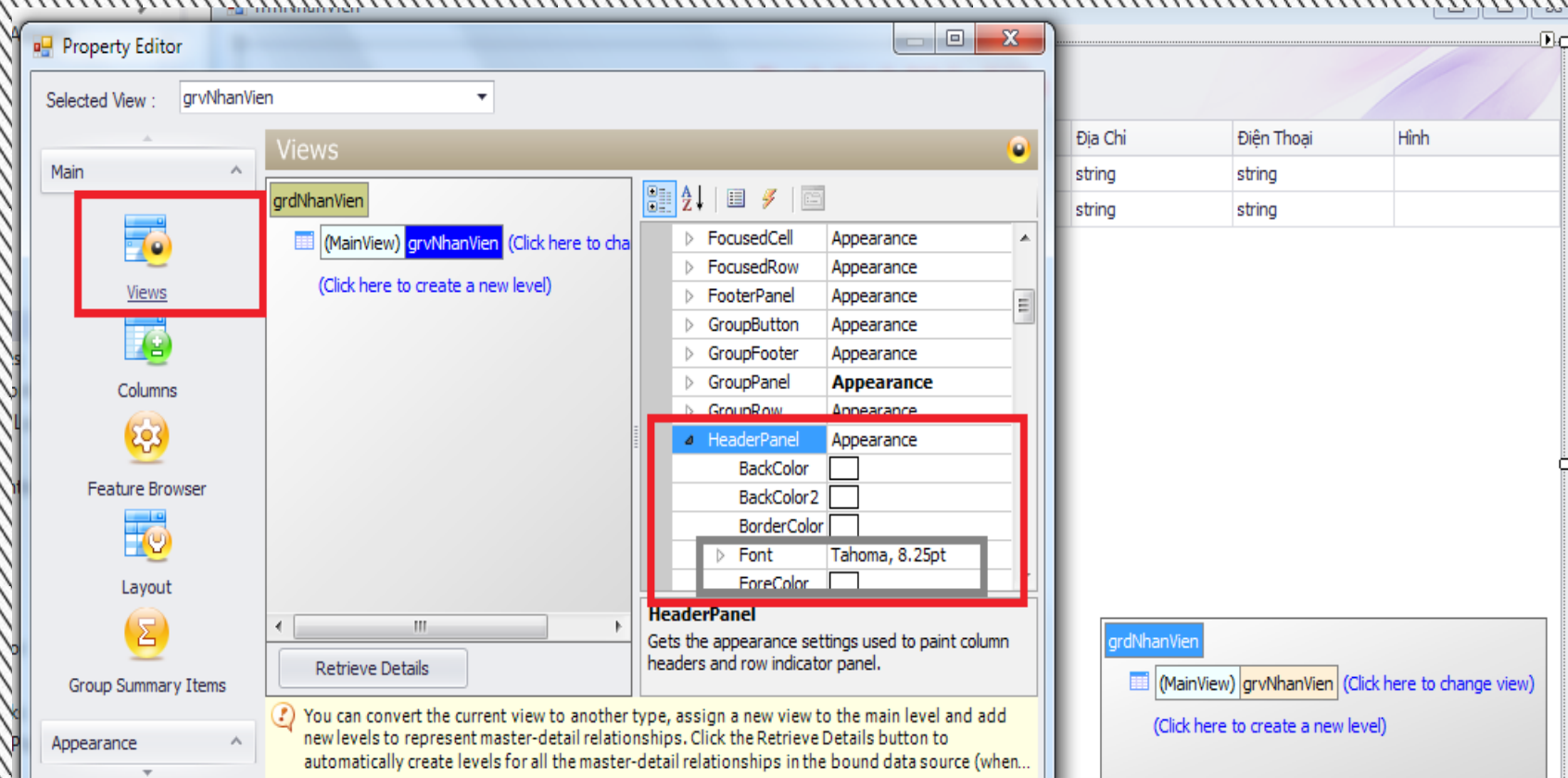
(Click here to create a new level)

Retrieve Details

Run Designer

3. Các Controls cơ bản

» GridControl



Property Editor

Selected View : grvNhanVien

Main

Views

grdNhanVien

(MainView) grvNhanVien (Click here to change view)

(Click here to create a new level)

Retrieve Details

You can convert the current view to another type, assign a new view to the main level and add new levels to represent master-detail relationships. Click the Retrieve Details button to automatically create levels for all the master-detail relationships in the bound data source (when...

HeaderPanel Appearance

BackColor

BackColor2

BorderColor

Font Tahoma, 8.25pt

ForeColor

HeaderPanel

Gets the appearance settings used to paint column headers and row indicator panel.

Địa Chỉ	Điện Thoại	Hình
string	string	
string	string	

grdNhanVien

(MainView) grvNhanVien (Click here to change view)

(Click here to create a new level)

3. Các Controls cơ bản

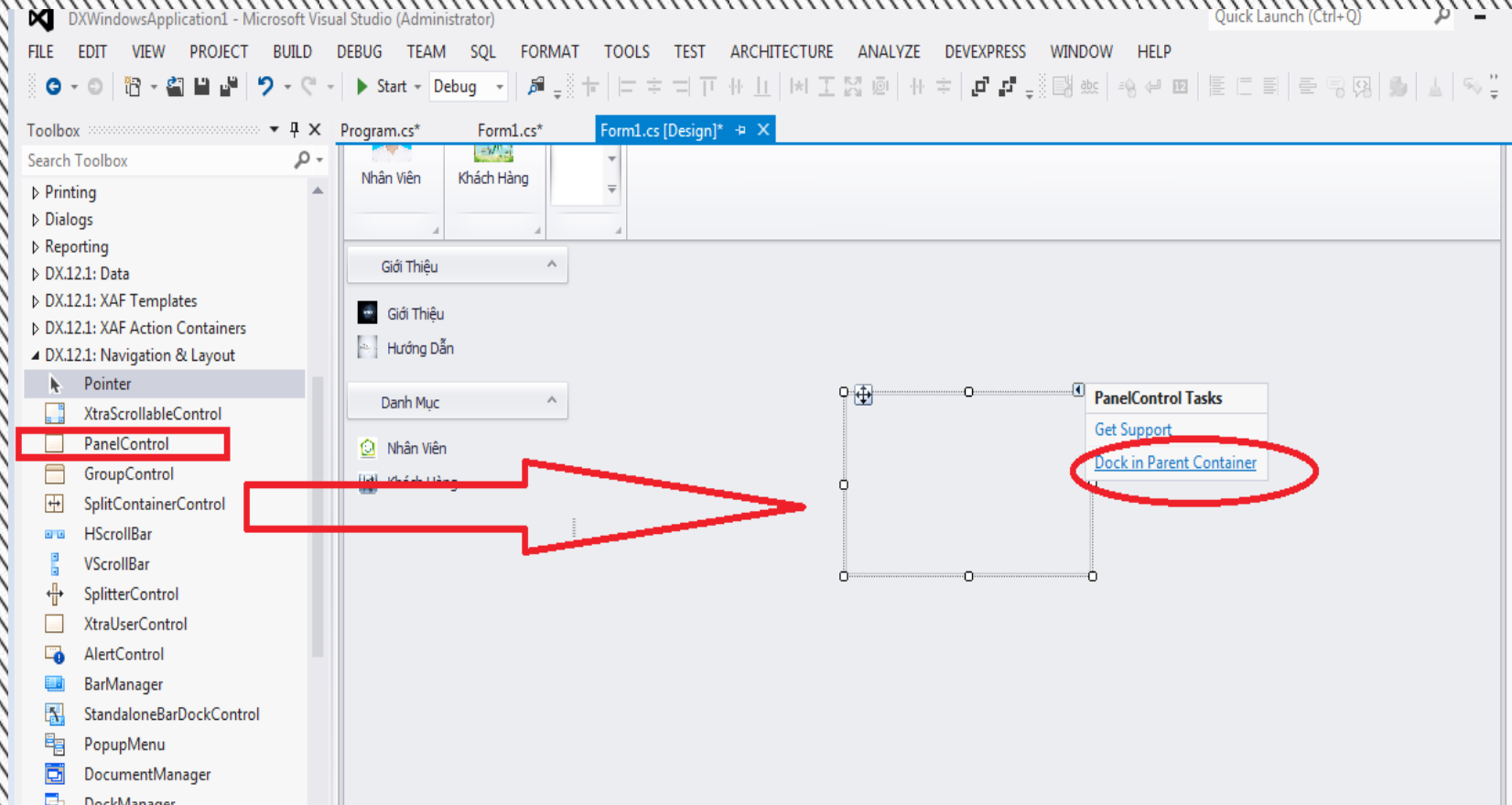
» GridControl

frmNhanVien

Danh Sách Nhân Viên							
	Mã NV	Họ	Tên	Nữ	Ngày NV	Địa Chỉ	Điện Thoại
▶	nv0001	Nguyễn Thi	Văn	<input type="checkbox"/>	1/1/2010	01 Võ Văn Ngân	0198765233
	nv0002	Lê	Thu	<input checked="" type="checkbox"/>	1/8/2010	02 Hùng Vương	0123456774
	nv0003	Nguyễn	Anh	<input checked="" type="checkbox"/>	5/6/2009	BK Aptech	088345567
	nv0004	Trần	Lan	<input checked="" type="checkbox"/>	9/9/2009	23 Bạch Đằng	0903999111
	nv0005	Trần	Lan	<input checked="" type="checkbox"/>	9/9/2009	23 Bạch Đằng	0903999111
	nv0006	Nguyễn	Đạo	<input type="checkbox"/>	11/1/1989	36 Bình Giã	0903982082
	nv0007	Lê	Nam	<input type="checkbox"/>	11/1/2010	Nhất Nghệ	356724572

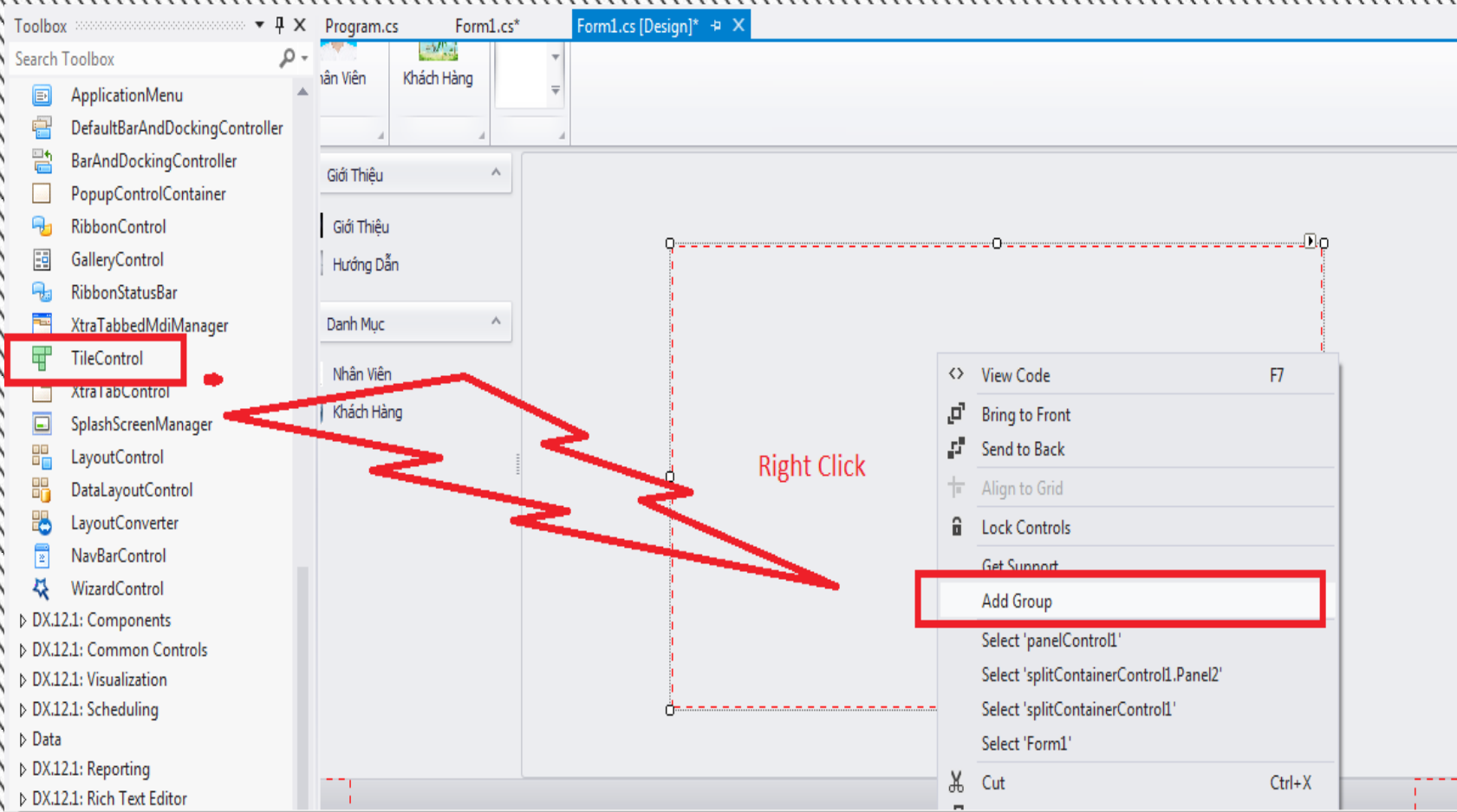
3. Các Controls cơ bản

» PanelControl



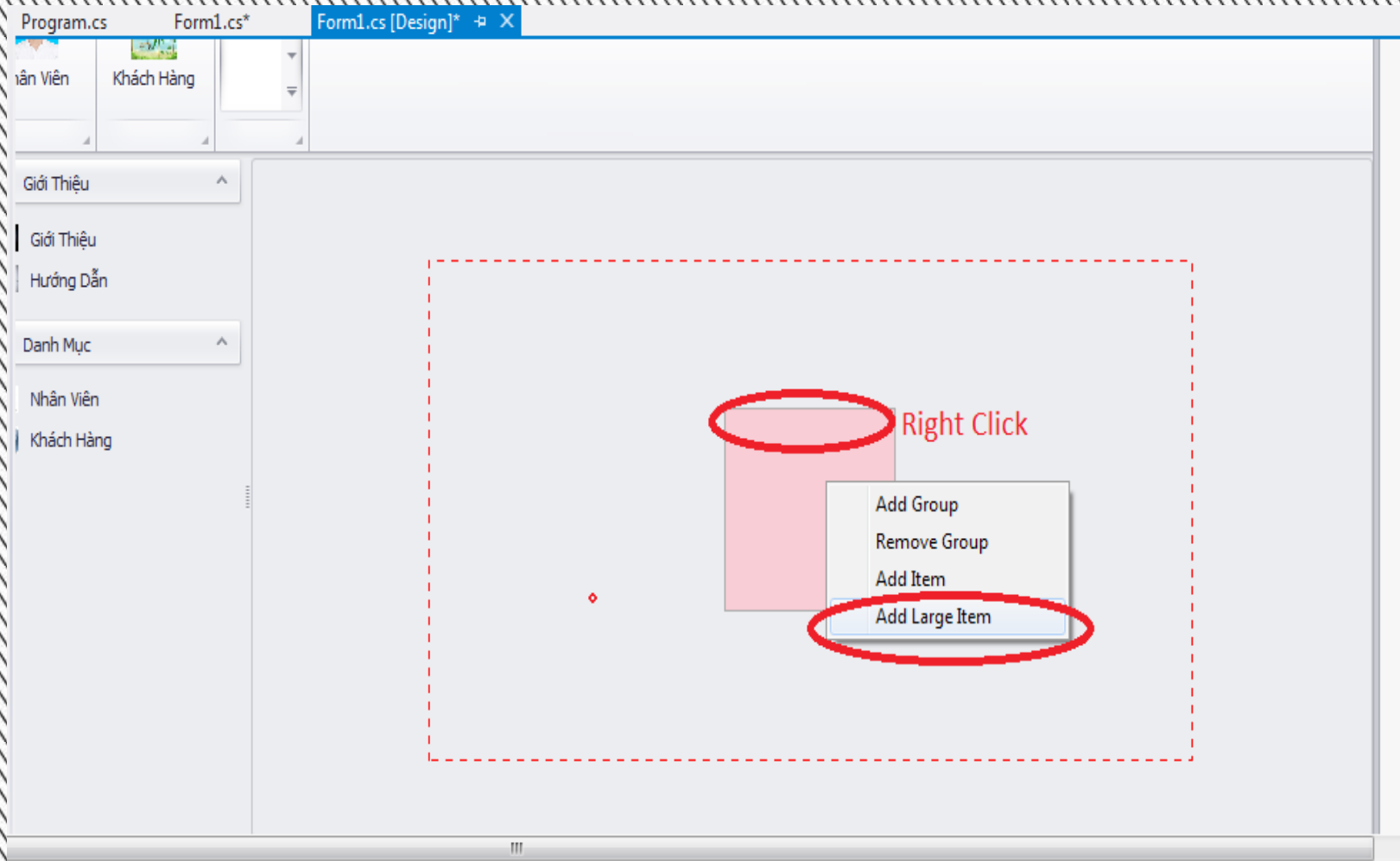
3. Các Controls cơ bản

» TileControl



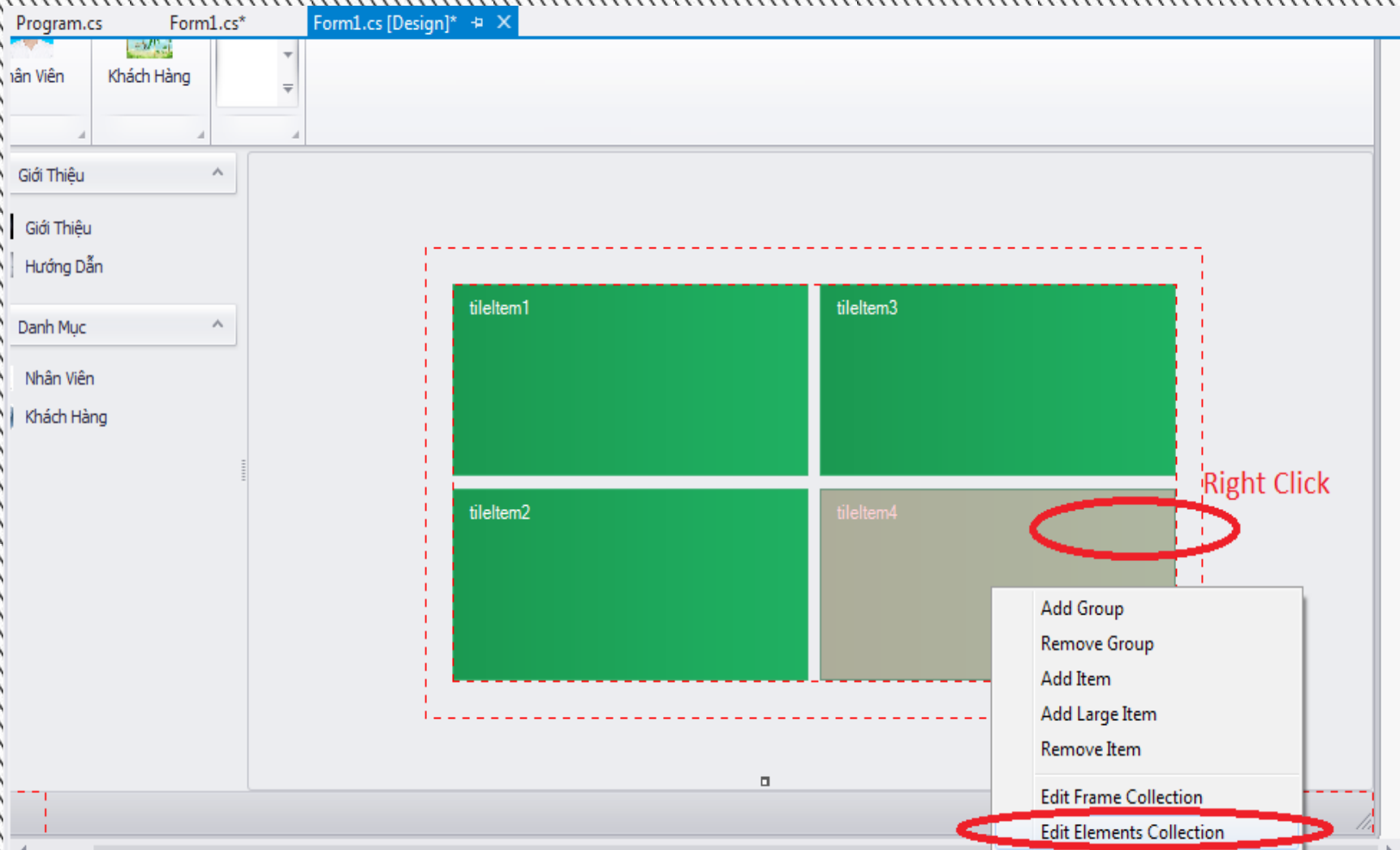
3. Các Controls cơ bản

» TileControl



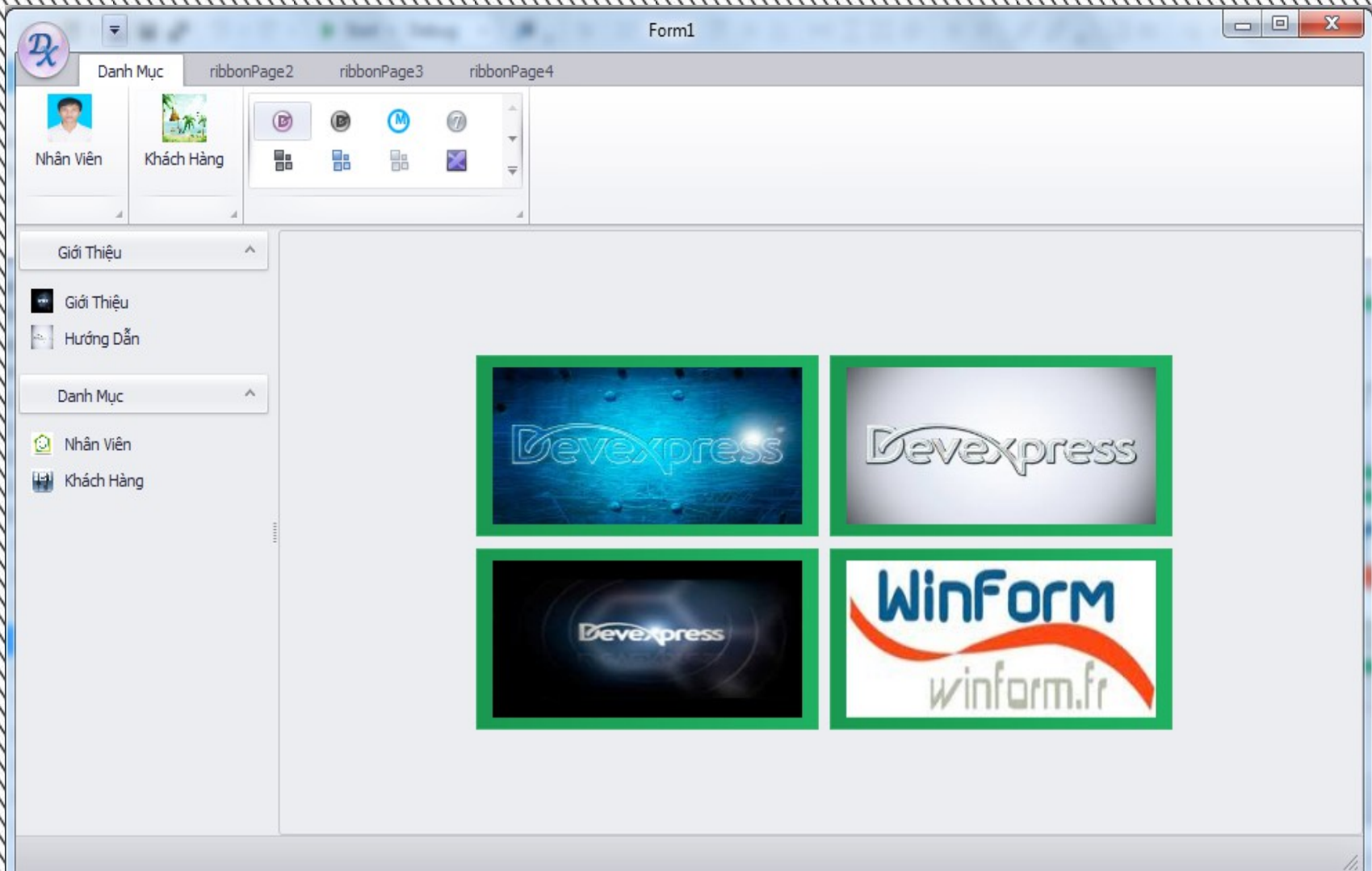
3. Các Controls cơ bản

» TileControl



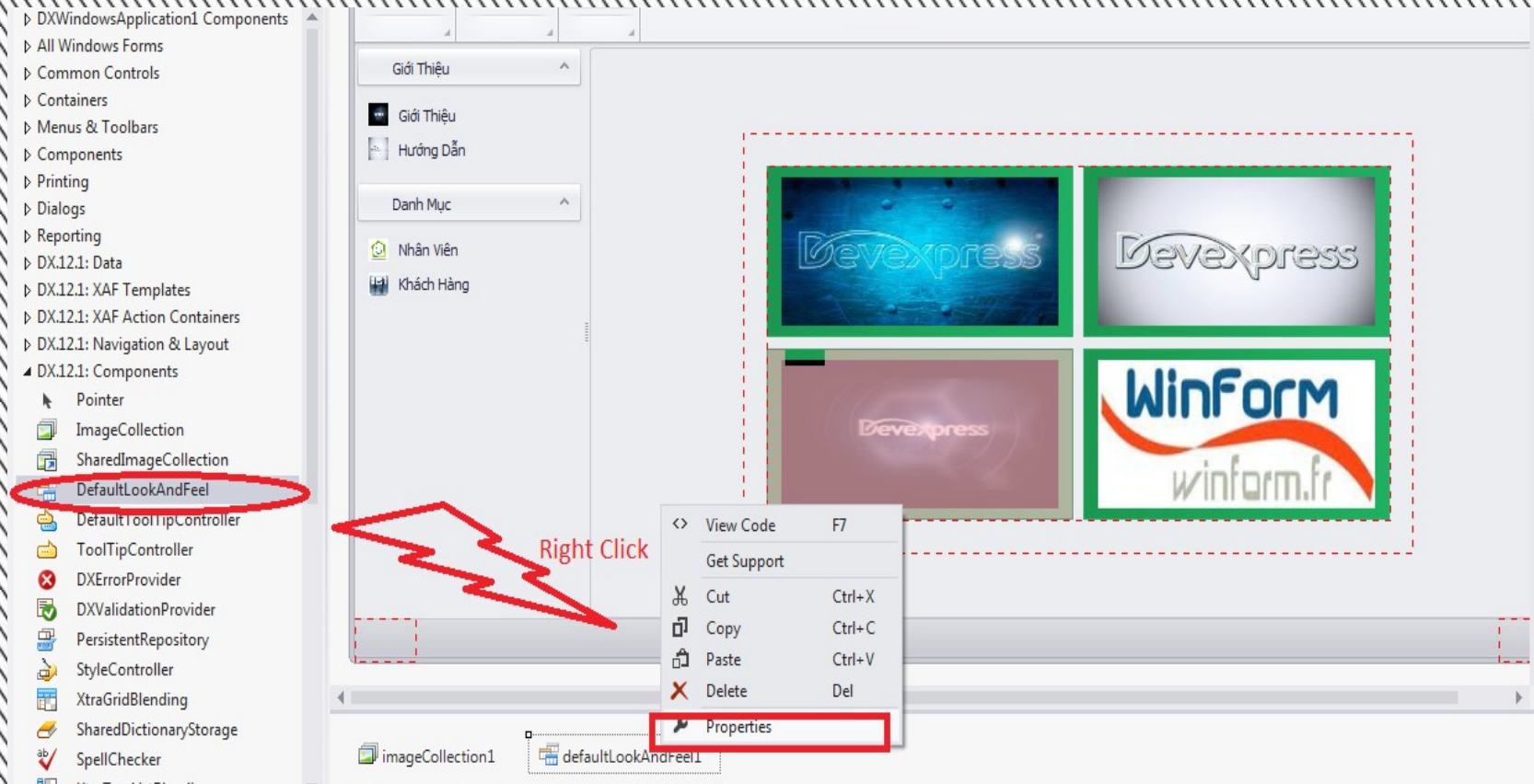
3. Các Controls cơ bản

» TileControl



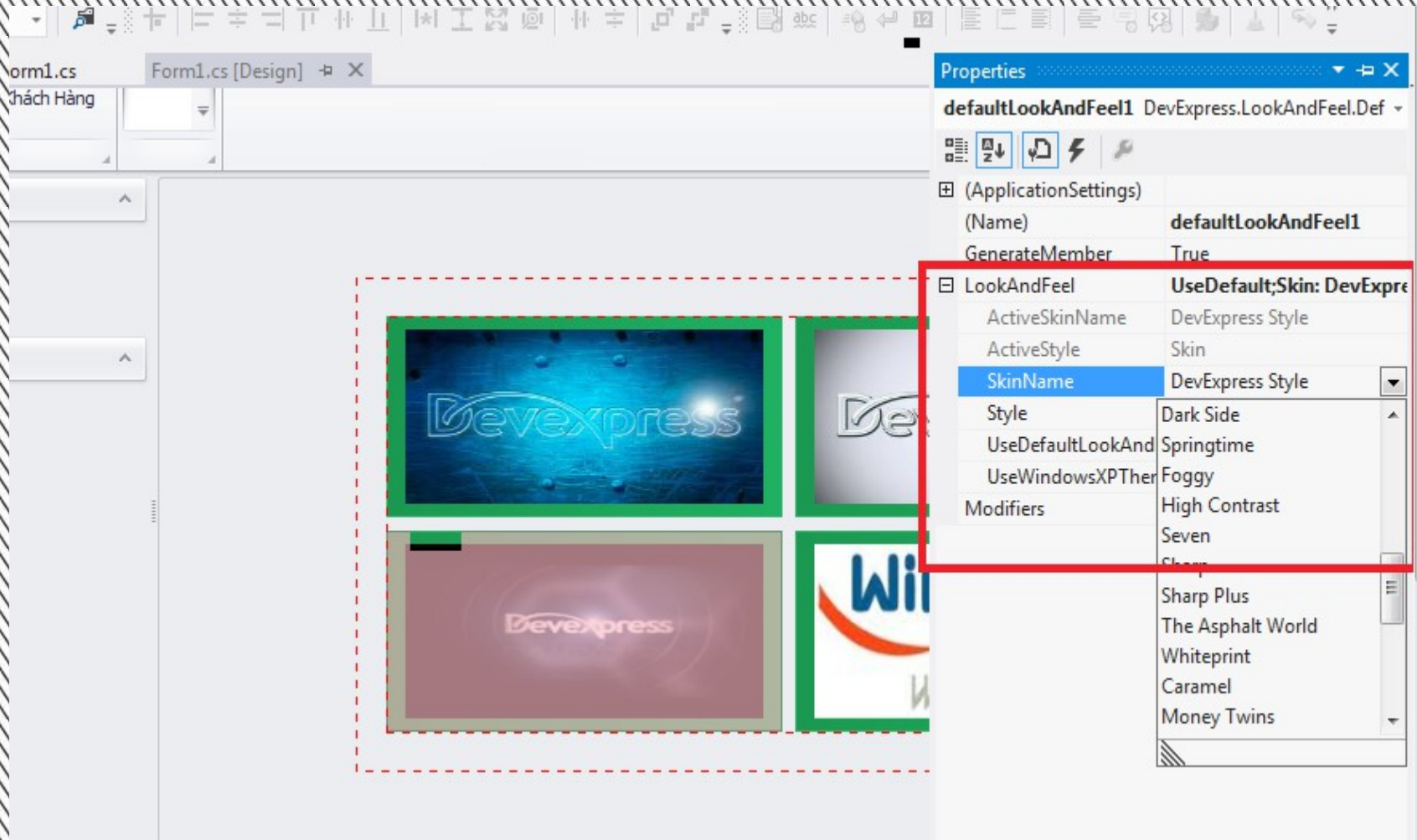
3. Các Controls cơ bản

» DefaultLookAndFeel

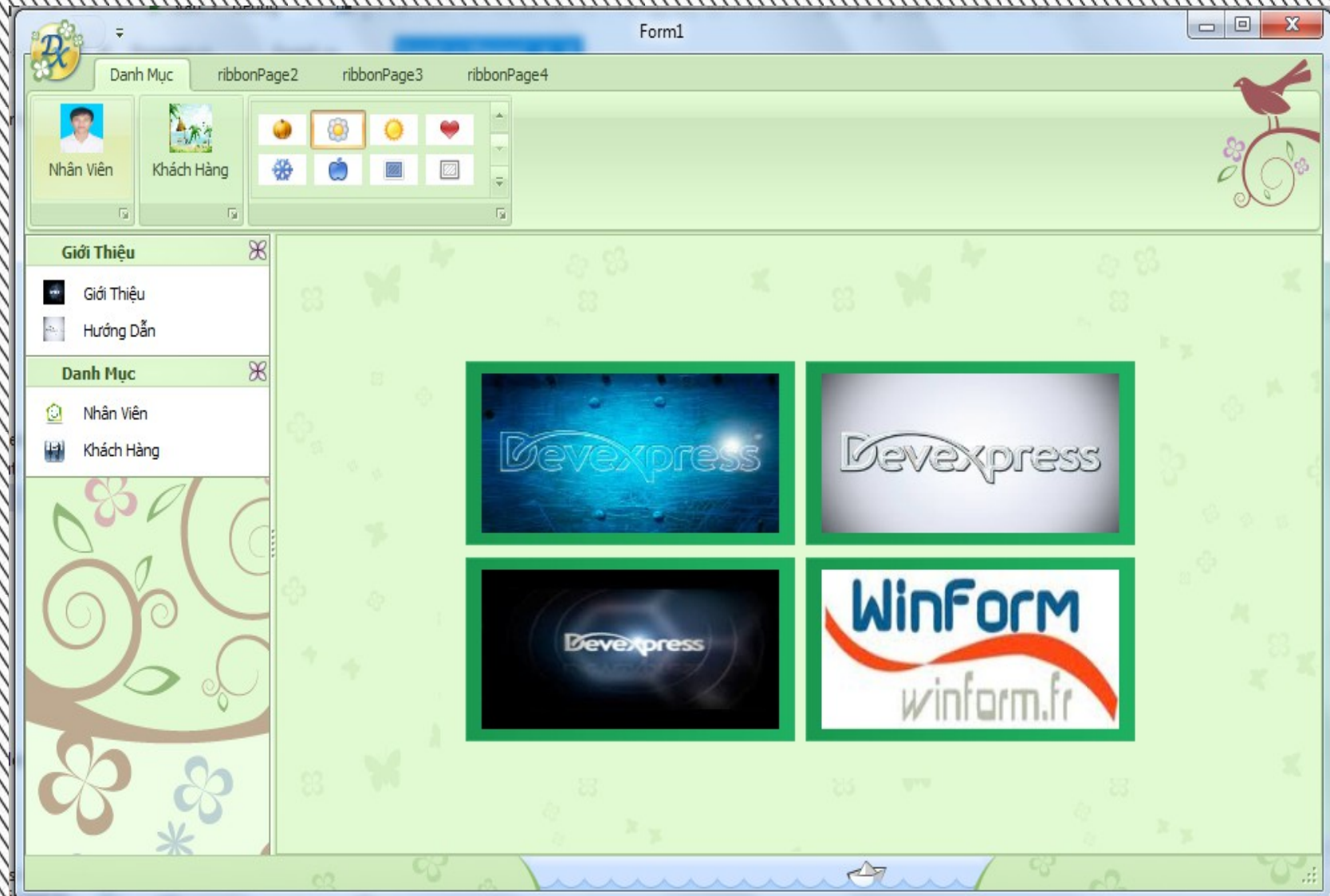


3. Các Controls cơ bản

» DefaultLookAndFeel

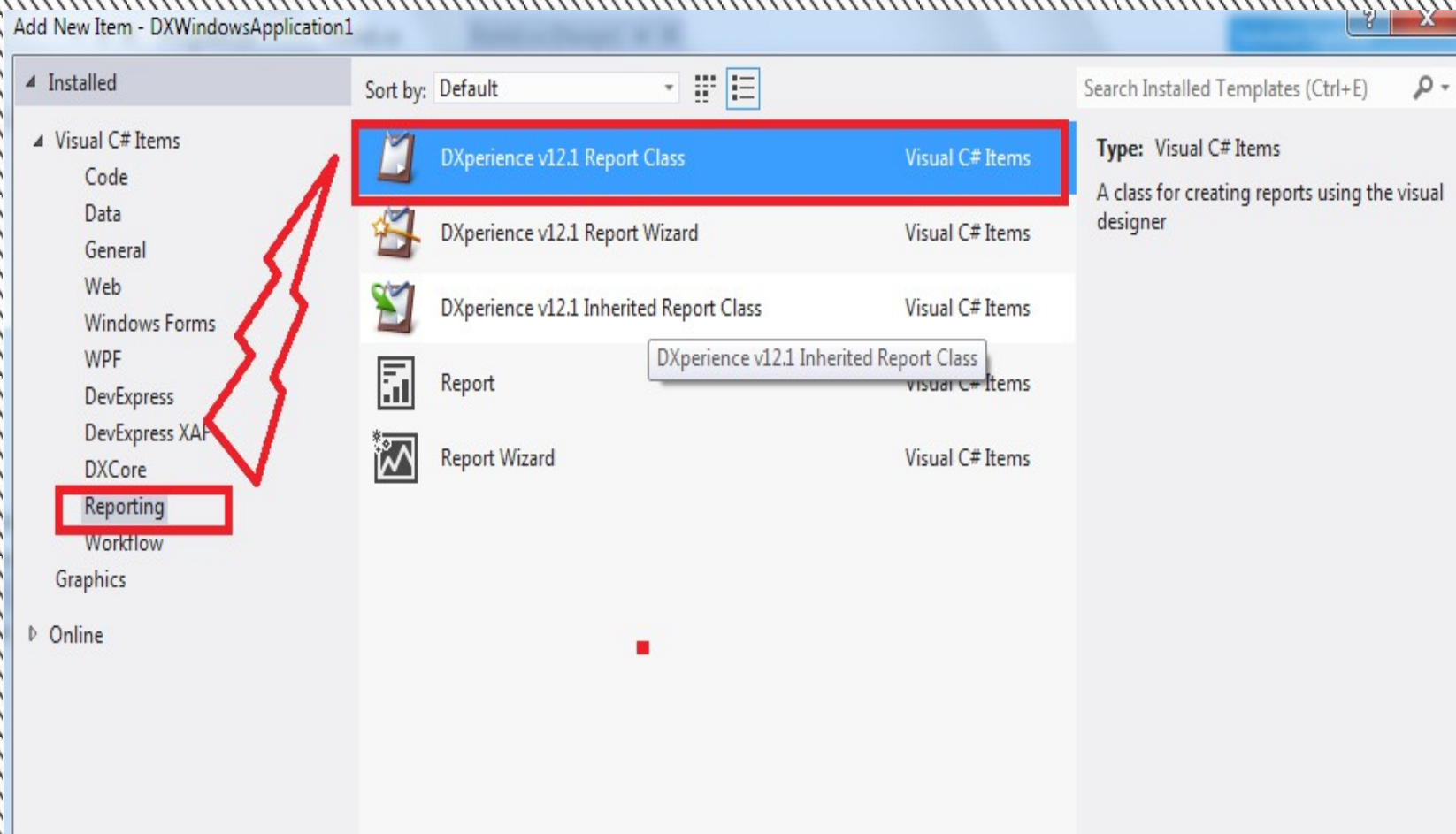


3. Các Controls cơ bản



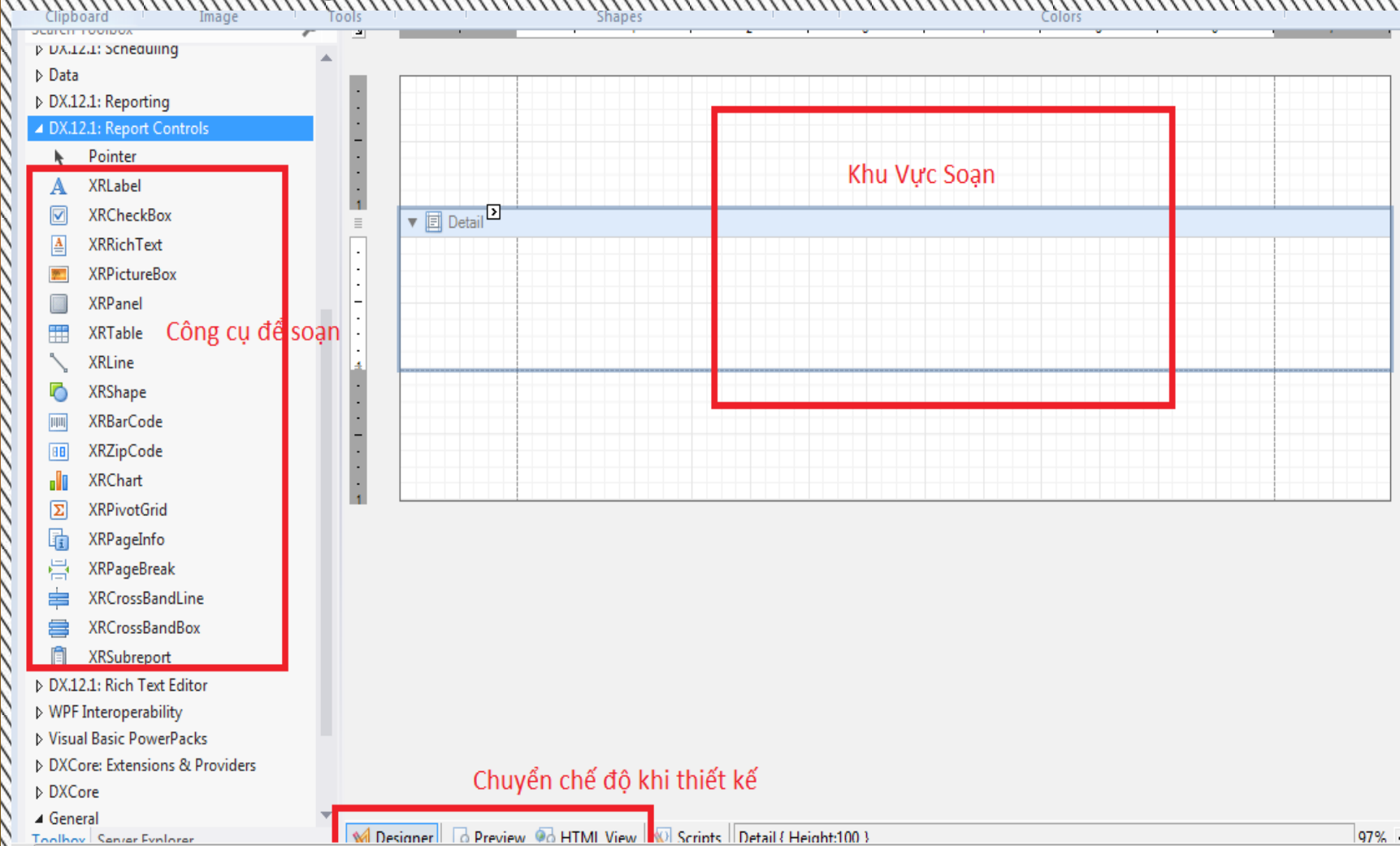
3. Các Controls cơ bản

» Reporting



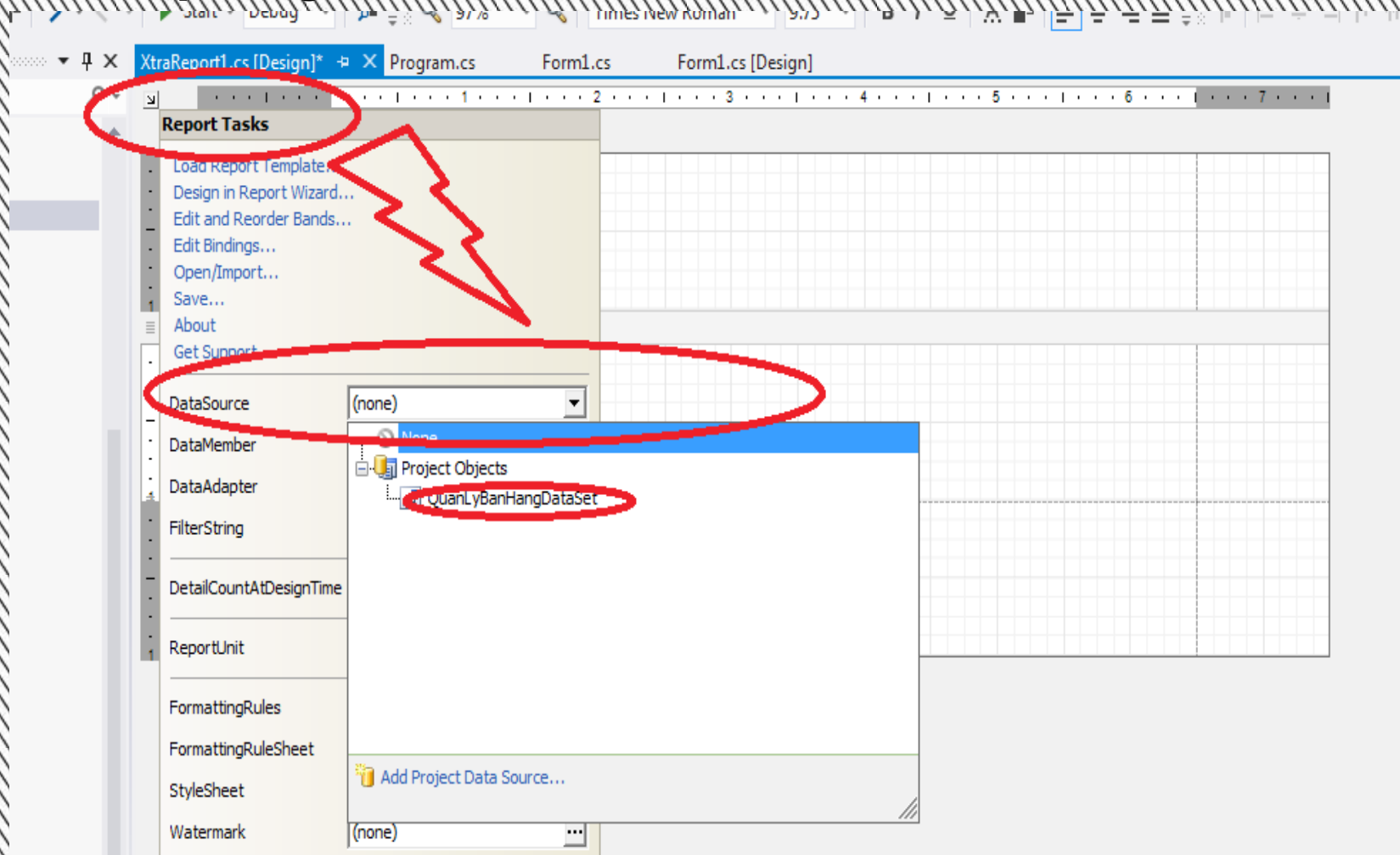
3. Các Controls cơ bản

» Reporting



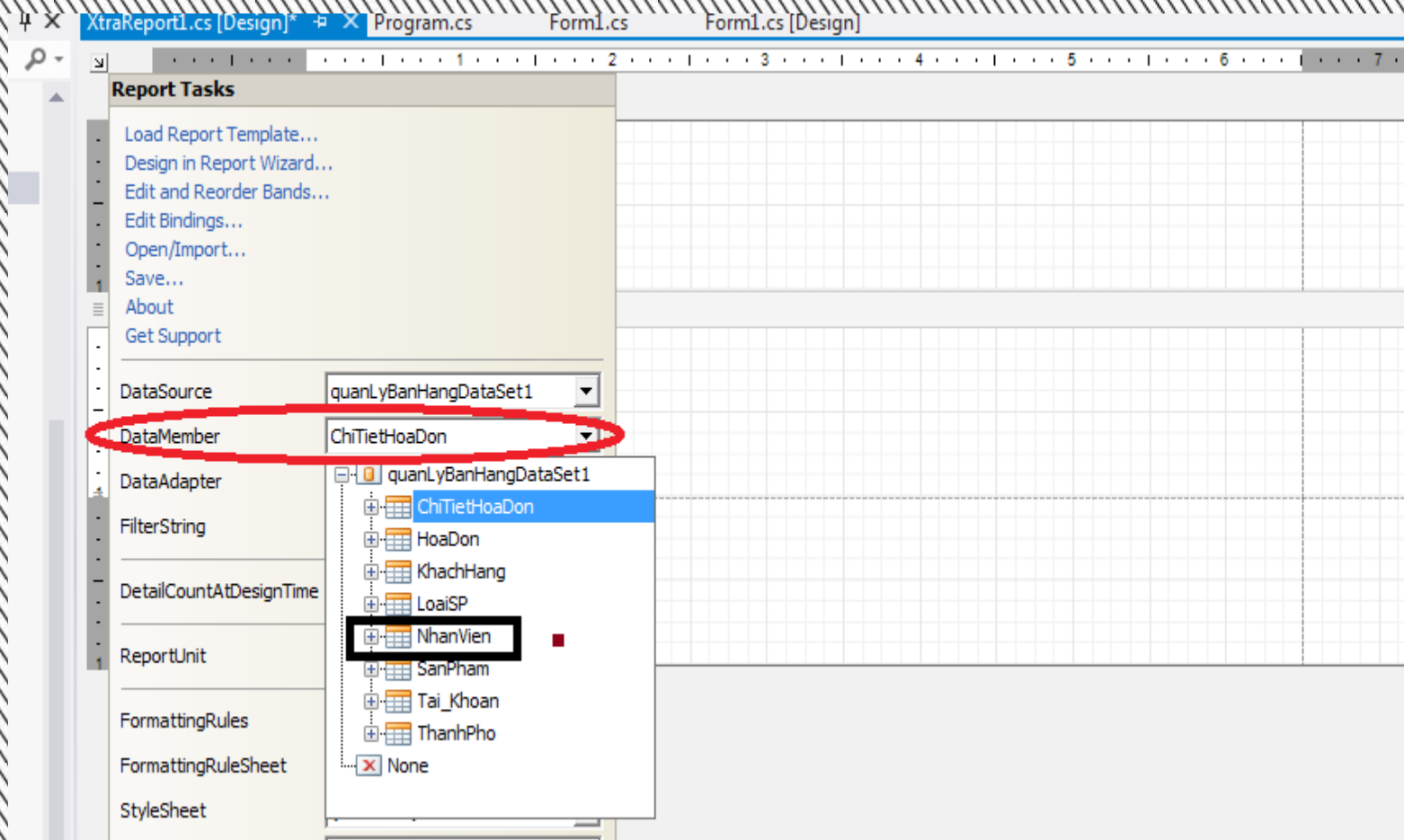
3. Các Controls cơ bản

» Reporting



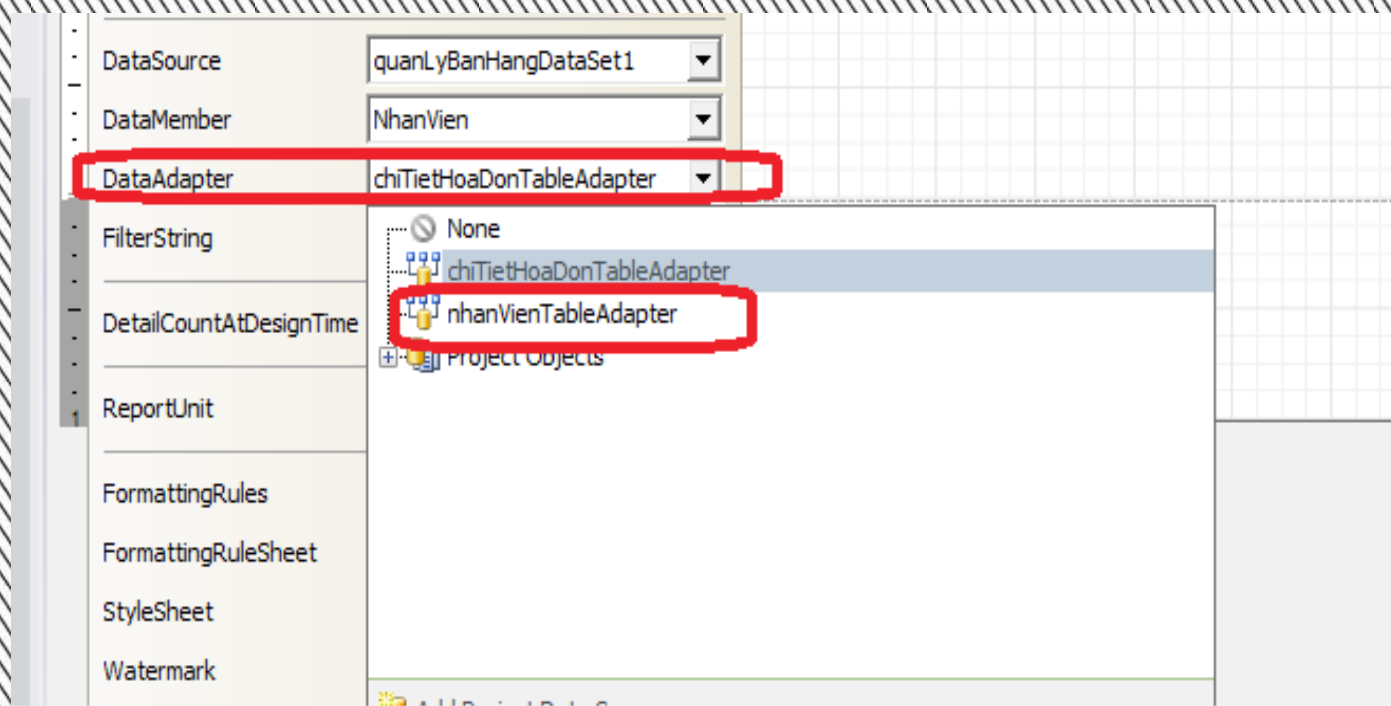
3. Các Controls cơ bản

» Reporting



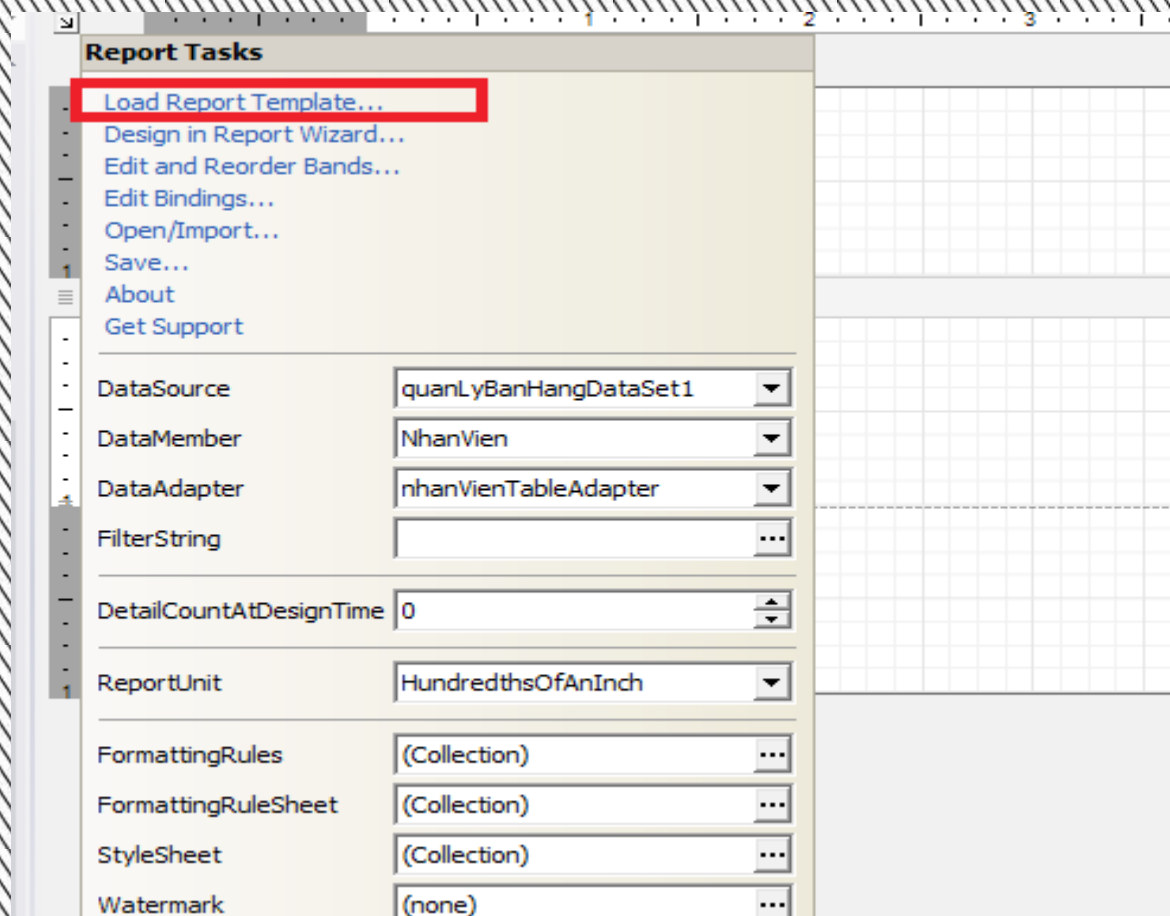
3. Các Controls cơ bản

» Reporting



3. Các Controls cơ bản

» Reporting



3. Các Controls cơ bản

Report Templates

Search for template

Products by Beverages

Product Name

Chai

Chang

Gustinski Fantastico

Sasquatch Ale

Miraflores

SUPPLIERS

EXOTIC LIQUIDS

45 Gilbert St.

London

UK

EC1 4BG

Telephone: 01234 56789

Chai

Chang

FourCorners

Employees

First Last

Banc Davis

Andrew Fuller

Geet Lovelace

Margaret Peacock

Steven Buchanan

Michael Suyama

Maroon

Customers

Company Name Phone

Chai's Kitchen 01234 56789

Chai's Kitchen 01234 56789

Chai's Kitchen 01234 56789

Chai's Kitchen 01234 56789

Chai's Kitchen 01234 56789

Chai's Kitchen 01234 56789

Chai's Kitchen 01234 56789

Chai's Kitchen 01234 56789

Oregon

Products by Beverages

Product Name

Chai

Chang

Gustinski Fantastico

Sasquatch Ale

Apples

Products by Beverages

Product Name

Chai

Chang

Gustinski Fantastico

Sasquatch Ale

LaBrea

Products by Beverages

Product Name

Chai

Chang

Gustinski Fantastico

Sasquatch Ale

Rating: ★★★★★

Submitted By: DevExpress

Products by Category

Beverages

Product Name	Unit Price	Units in Stock
Chai	18	89
Chang	19	17
Gustinski Fantastico	45	70
Sasquatch Ale	14	111
Stealthy Stout	18	20
Côte de Blaye	2635	17
Chateau Verte	18	89
Ipoh Coffee	46	17
Laughing Lumberjack Lager	14	52
Outback Lager	15	15
Rhinoceros Stout	735	125
Lakeland Stout	18	57

Condiments

Product Name	Unit Price	Units in Stock
Amazeezy Syrup	10	13
Chief Anton's Cajun Seasoning	22	53
Chief Anton's Gumbo Mix	21.35	0
Grandma's Boysenberry Spread	25	120
Northwoods Cranberry Sauce	40	6
Garden of Eatin'	15.5	20
Wilted Melon	19.45	77

Load Close

3. Các Controls cơ bản

» Reporting

Products by Category

▼ Detail

[CategoryName]

ProductName Unit Price Units in Stock

▼ DetailReport

▼ Detail1

xrTableCell4

▼ GroupFooter2

▼ GroupFooter1

TableCell Tasks

Edit Text

Text xrTableCell4

Data Binding (none)

Format String

Summary

FormattingRules

☒ CanGrow

☐ CanShrink

☐ Multiline

☒ WordWrap

KhachHang

LoaiSP

NhanVien

FK_HoaDon_NhanVien

DiaChi

DienThoai

Hinh

Ho

MaNV

NgayNV

Nu

quanLyBanHangDataSet1

chiTietHoaDonTableAdapter

nhanVienTableAdapter

3. Các Controls cơ bản

» Reporting

Danh Sách Nhân Viên

Mã NV	Họ	Tên	Địa Chỉ	Điện Thoại
nv0001	Nguyễn Thi	Văn	01 Võ Văn Ngân	0198765233
nv0002	Lê	Thu	02 Hùng Vương	0123456774
nv0003	Nguyễn	Anh	BK Aptech	088345567
nv0004	Trần	Lan	23 Bạch Đằng	0903999111

5. Demo



6. Kết luận

Sau một thời gian tìm hiểu nghiên cứu và thực hiện, nhóm chúng em rút ra được các kết quả như:

- ☒ Hiểu và sử dụng được các controls cơ bản của devexpress.
- ☒ Xây dựng được ứng dụng quản lý cơ bản.
- ☒ Có một cách nhìn trực quan khi tìm hiểu các controls của một công nghệ mới
- ☒ Nâng cao nạo kỹ năng đọc tài liệu.



Cảm ơn thầy và các bạn đã lắng nghe và góp ý

The End.