Windows Forms(3) Programiranje korisničkih interfejsa Bojan Furlan

Overview

- Adding Accessibility Features
- Adding Help to an Application
- Localizing an Application

Lesson: Adding Accessibility Features

Accessibi	lity Options 🛛 🛛 🔀	
Keyboard	Sound Display Mouse General	
- High C	ontrast	
Use the	is option if you want Windows to use colors and fonts	
	ed for easy reading.	
	e High Contrast <u>S</u> ettings	
Cursor	Options	
Move I (cursor	the sliders to change the speed that the cursor blinks blink rate) and the width of the cursor.	
	Blink <u>B</u> ate:	
Non	e Fast	
	Width:	
Nam		
		🍳 Accessibility Wizard
		j Magnifier
	🖬 Accessories 🔸 🖬 Accessibility 🔸	
All Programs 🕥		g 🛛 Narrator
Air Programs		📃 On-Screen Keyboard
y start		💩 Utility Manager

Accessibility Support in the .NET Framework

Accessibility options

🕑 Co	ontrol	Panel									
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G	Back	• 🜔) - 🎓	🔎 Se	earch 🔀 Fold	ers 🚺	•				
A <u>d</u> dre	ess 🔂	Control	Panel								Go
				^	Name 🔺		Comments				^
4	Con	trol Pa	nel 🤅	2	Accessibility	Options	Adjust your	computer setti	ngs for vision, ł	hearing, and mobilit	:y.

- Microsoft accessibility aids
 - Narrator
 - Magnifier
 - On-Screen Keyboard

Developers can provide accessibility support by setting properties on forms and controls in their applications

How to Make Forms and Controls Accessible

	Set standard properties	Control Property	Description
	to values that support accessibility	AccessibleName	Briefly describes and identifies the object. Examples: button or menu item text
L	Text, Font Size, Forecolor, Backcolor, BackgroundImage	AccessibleDescription	Provides greater context for low-vision or blind users
	Set accessibility properties		
2	At design time or programmatically	AccessibleRole	Describes the use of the element in the user interface
<pre>programmatically element in the user interface this.AppExitButton = new System.Windows.Forms.PushButton()</pre>			

tnis.AppExitButton = new System.Windows.Forms.PushButton()
this.AppExitButton.Text = "E&xit";
AppExitButton.AccessibleRole =
 System.Windows.Forms.AccessibleRole.PushButton;
AppExitButton.AccessibleName = "Exit";
AppExitButton.AccessibleDescription = "Use this button to
 exit the application";
this.Controls.Add(this.AppExitButton);

How to Test Accessibility



Build the application

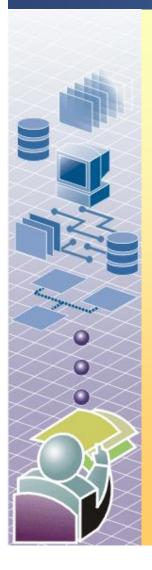
2

Turn on an accessibility aid, such as Narrator



Run the application

Practice: Adding Accessibility Support to an Application



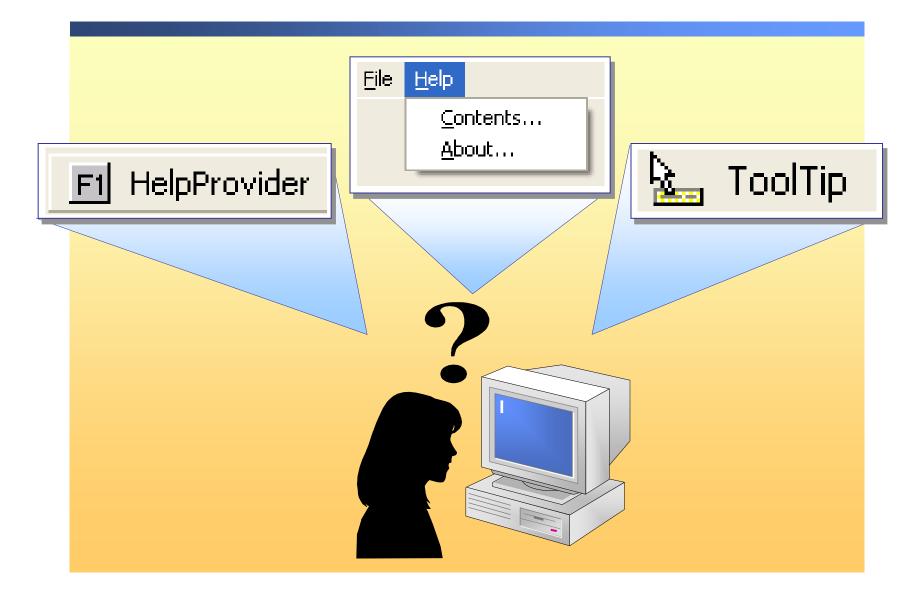
In this practice, you will

- Set the AccessibleName property for a control
- Enable Narrator
- Run the application to see the results

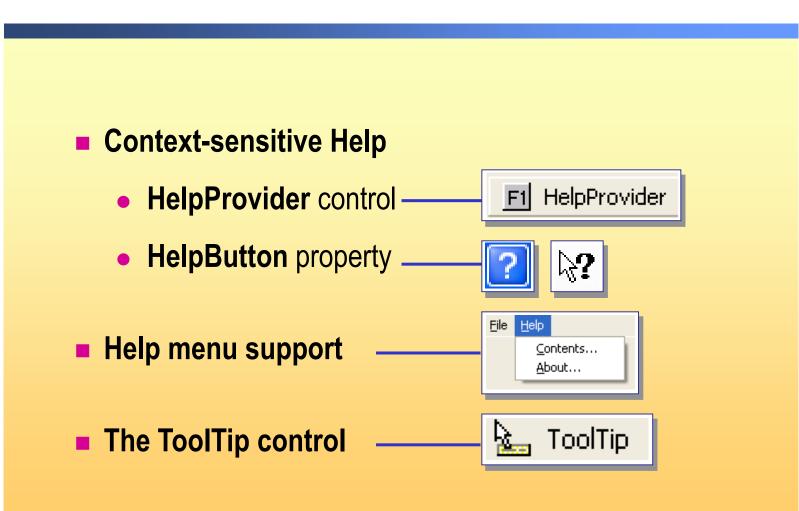
Begin reviewing the objectives for this practice activity



Lesson: Adding Help to an Application



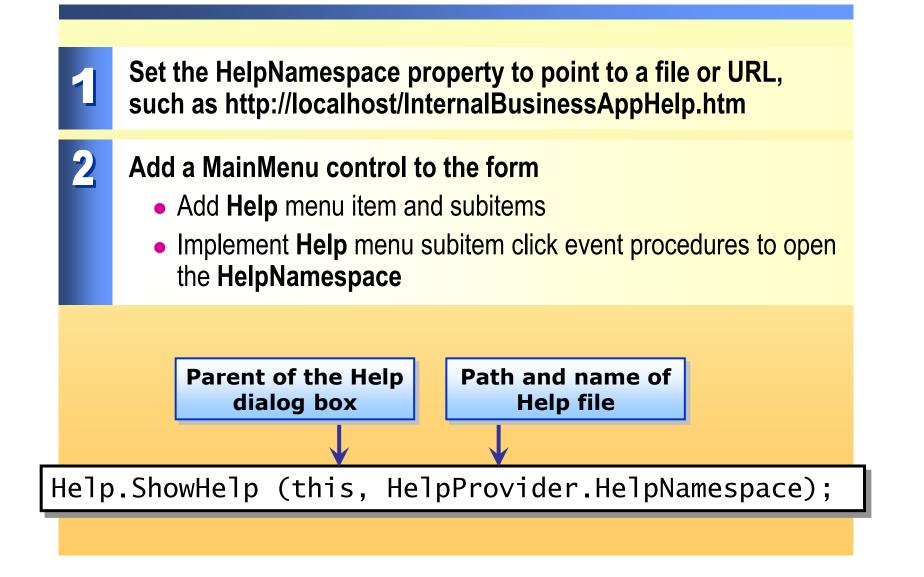
Help in the .NET Framework



How to Add Context-Sensitive Help for Forms and Controls

1	Add the HelpProvider control Set the HelpNamespace property
2	Add a HelpButton to the form
3	For each control that you want to add Help information set the following properties • HelpKeyword • HelpNavigator • HelpString
4	Build and test the application Give a control focus and press F1

How to Link Help Topics to a Menu



How to Display Help with the ToolTip Control

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2

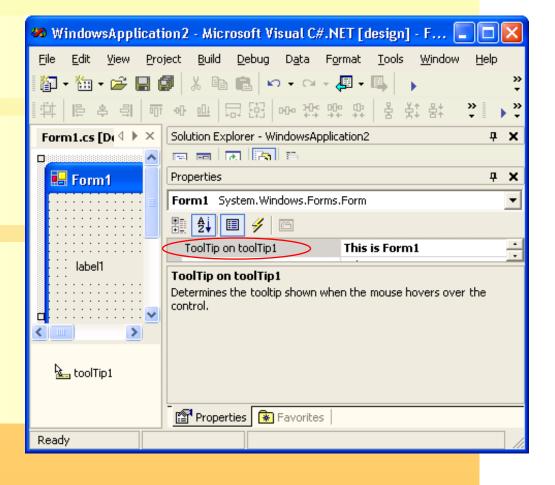
3

Add the ToolTip control

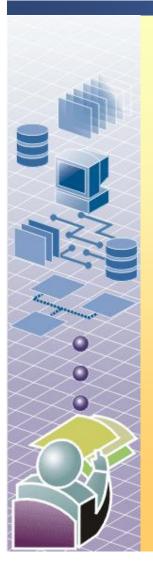
Set the value for the ToolTip on ToolTip... property

Build and test the application

Point to a control that has an associated ToolTip



Practice: Adding Help to an Application



In this practice, you will

- Add context-sensitive Help to an application
- Link a Help file to context-sensitive Help
- Link a Help file to a **Help** menu item

Begin reviewing the objectives for this practice activity



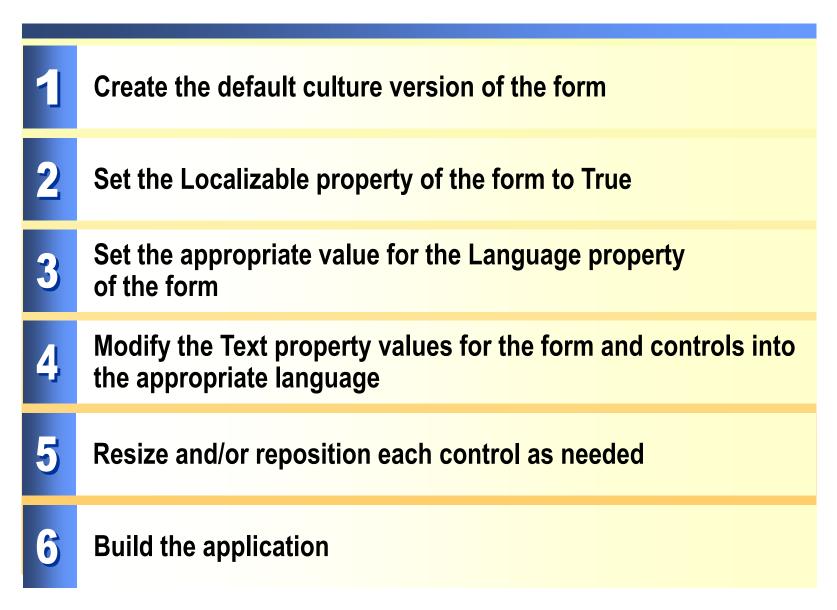
Lesson: Localizing an Application

- Globalization
- Localization
 - Culture
 - Region

Localization in the .NET Framework

- Localizing the user interface elements
- Localizing other resources
 - Strings
 - Bitmaps
 - Other objects, such as audio files

How to Set Localization Properties



How to Create Localized Resource Files

1	Open an existing project and add an assembly resource file for the appropriate culture					
2	Add entries to the resource file with values in the appropriate language for the culture					
	Form1.cs [Design] Resource1.de-DE.resx*	Solution Explorer - WindowsApplication1 Image: Solution WindowsApplication1' (1 project) Image: WindowsApplication1 Image: WindowsApplication2 Image: WindowsApplication3 Image: WindowsApplication3				
3	Save the file					
4	Build the application					

How to Change the Locale

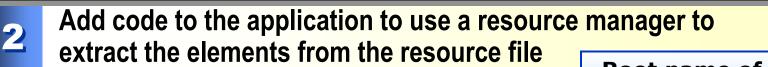
The user can change the regional and language options from Control Panel

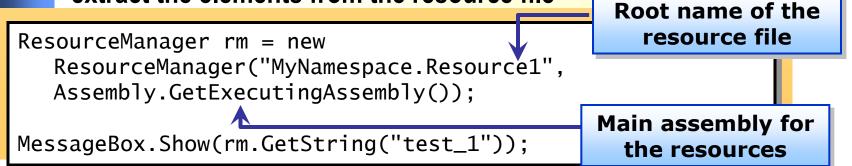


Add code to an application to programmatically set the culture and UICulture for an application to the new value

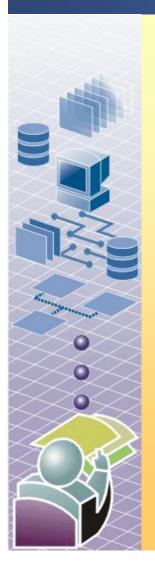
using System.Globalization; using System.Resources; using System.Threading;

Thread.CurrentThread.CurrentUICulture =
Thread.CurrentThread.CurrentCulture;





Practice: Localizing an Application



In this practice, you will

- Localize the user interface of an application
- Add localized string resources to an application



