Database Tutorials

Hello everyone... welcome to database tutorials. These are going to be very basic tutorials about using the database to create simple applications, hope you enjoy it. If you have any notes about it, please send them to **notes@mka-soft.com**. Finally if you find these tutorials are useful, it would be nice from you to send a small donation via PayPal to **donation@mka-soft.com**.

The work with this tutorial started on 2010-SEPTEMBER-08.

Textboxes and BindingNavigator

Last tutorial explained working with DataGridView, today's tutorial is about working with Textboxes and BindingNavigator:

ity Warning Certain content	in the database has be	een disabled 🛛 🤇	Options	1.1.1	
*	PNAME •	PAddress +	PTEL	 Add New Field 	
nes : Table	JEFF	JEFF's Address	4444444		
	John	John's Address	1111111		
	Michel	Michel's Addre	9999999		
	Smith	Smith's Addres	123456		- P
	Todd	Todd's Address	3333333		
	*				

First create a simple database for testing, create a table called phones, and create a number of columns in it. You can create your own table.

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Start new project

Form1	Choose Your Database Objects Which database objects do you want in your dataset? Tables Phones Views
	DataSet name: testDataSet

Add new data source to your project, and make sure to select the table you want to display.

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Add a binding source to your project:

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Binding gurce	
CheckBox	=
B CheckedListBox	

Set the data source of the BindingSource to the dataset, and make the data member to the table.



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Put a textbox on the form



Go to the DataBindings properties of the textbox, and then to the text property, and select which column to get the value from

Solution Explorer Class View Properties TextBox1 System.Windows.Forms.Tex State of the second sec	None BindingSource1 PNAME PAddress PTE Other Data Sources	×
(ApplicationSettings)	1 Add Project Data Source	-
(DataBindings) (Advanced) Tag	Selecting a BindingSource property binds to the corresponding property of the list that t	111
Text (Name)	(none) TextBox1	

Run the application and see how the text box displays the column

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	Smith	N	
		13	

Now add two other textboxes and link them to the other columns in the same way.

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🚽 Form1	i Stal		×
61	Smith		
	Smith's Address		
	123456	10.00 m	

The problem here is that you can't go to the next record, because of that, you need to add a new control called BindingNavigator, so add one to the form



Once you add this to the form, you will see the navigation controls

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You now just need to link this control to the BindingSource, so just update the BindingSource property of the BindingNavigator

Properties		- ∓ ×
BindingNavigator1 System.Win	dows.Forms.BindingNavigator	
81 21 💷 🗲 🔟		
BindingSource	BindingSource1	
CanOverflow	True	

Now run the application and try to navigate the records

4 3	of 5 📘 🙀 💠	×
	iohn Move next	2
	iohn's Address	
-	1111111	

Now, let us check a number of properties related to the TextBox and BindingNavigator. For textboxes, you sometimes need to disable editing, in such a case modify the ReadOnly property and set it to true.

For BindingNavigator you will find that there is a number of properties that allows you to select which button will have the effect of moving first, moving last, moving forward, moving backward, adding a record, deleting a record, etc.

indingNavigator1 System.Windov	vs.Forms.BindingNavigator	•
121 🔲 🖋 🖾		
AutoSize	True	
BackColor	Control	
BackgroundImage	(none)	
BackgroundImageLayout	Tile	=
BindingSource	BindingSource1	12
CanOverflow	True	
ContextMenuStrip	(none)	
Countitem	BindingNavigatorCountItem	-
CountItemFormat	of {0}	
DeleteItem	BindingNavigatorDeleteItem	
Dock	Тор	

The values for these properties represent a the names of the buttons that are placed on the BindingNavigator as shown below:



this is the long version of creating a form with the details of a table. A faster method would be the following: assume first you have an empty form. Look at the DataSet, and press the arrow next to the table name



Select Details. This means you want to display the details of each column in the table (like a form) instead of a DataGridView. Next drag the table from the window of the datasources to the form.

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So as you can see all the controls are created for you in a single step. You can also drag the column name on the form and this way you can display a number of fields instead of all the table fields.

So this will be all for today. If you have questions or notes, send them to notes@mka-soft.com.

Thank you.

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