

Re: Databound combobox, new and selected value confusion.

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.csharp/2006-06/msg02988.html>

- *From:* shumaker@xxxxxxxxxx
 - *Date:* 19 Jun 2006 19:28:21 -0700
-

Well enough shooting around in the dark and I finally hit the solution.
Added this to the SelectionChangeCommitted handler.

```
projectNamesBindingSource.Position = projectNameComboBox.SelectedIndex;
```

shumaker@xxxxxxxxxx wrote:

The SelectionChangeCommitted event for the combobox occurs before the exception, so I guess I need to put into that event handler something that will go ahead and move to the selected record. That way when the databound Text property tries to write to the current record, then it will write to the one it already belongs to.

I'm not really sure how to do this though.

shumaker@xxxxxxxxxx wrote:

I have a combobox that is very much like the one found in the RSS project here:

<http://msdn.microsoft.com/vstudio/express/visualCSharp/learning/>

My projectNameComboBox basically is filled with a list of values from a table, and as the user selects values, a datagrid displays related records from another table because it is bound via FK relationship.

My table:

```
/****** Object: Table [dbo].[ProjectNames] Script Date: 06/19/2006
19:46:13 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[ProjectNames](
[ProjectName] [nvarchar](50) COLLATE
SQL_Latin1_General_CP1_CI_AS NOT
```

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```
NULL,  
CONSTRAINT [PK_ProjectNames] PRIMARY KEY CLUSTERED  
(  
[ProjectName] ASC  
)WITH (PAD_INDEX = OFF, IGNORE_DUP_KEY = OFF) ON  
[PRIMARY]  
) ON [PRIMARY]
```

I have the combobox bound to projectNamesBindSource, and projectNames is the single column of names of projects. Display Member and Value Member are both bound to ProjectName, which is the column in the ProjectNames table. I have added the below code to allow me to add a new record. When the user clicks the AddButton a blank item is displayed in the combobox, the users cursor is placed into the combobox, and when they finish typing and press enter my intention is to add a new record to the table. I have not added all the updating and error checking code as of yet. Whenever the user presses enter, then the call to EndEdit() produces an exception: "Column 'ProjectName' does not allow nulls."

I can fix this by binding the combobox Text property to the ProjectNames column. However, I get a new exception whenever selecting items in the combo box:
"Column 'ProjectName' is constrained to be unique. Value 'SomeProjectName' is already present."

It appears when I select a different item in the combobox, then it is trying to use the new text value to update the previously select record. Since my column requires unique values, then the update is not possible.

The intention of selecting items in the combobox is that this effects what is displayed by the seperate datagrid, which shows data in a table on the many side of a many-to-one relationship with the ProjectNames table by binding to the FK relationship.

So either:

I need to implement a replacement for the text binding behavior when adding new items and updating items, so that I can remove the text binding.

OR

I need to make sure when I select a different item, the selected record is chosen, rather than the combobox thinking I'm trying to update the current record with a new value selected from the combobox.

OR

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Anything else someone might suggest.

```
private void addButton_Click(object sender, EventArgs e)
{
    projectNamesBindingSource.AddNew();
    projectNameComboBox.Focus();
}
```

```
private void projectNameComboBox_KeyUp(object sender,
KeyEventArgs e)
{
    if (e.KeyCode == Keys.Enter)
    {
        projectNamesBindingSource.EndEdit();
    }
}
```