

## Data Binding and validating data

**Source:**

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.windowsforms.databinding/2005-03>

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**Date:** 03/26/05

Date: 25 Mar 2005 23:37:29 -0800

I have a few issues with databinding.

First of all, I read so much about how painful it seemed to be for people that I initially started out not using it. As in, if I do things manually, at least I know what is going on.

However, I liked what I read about the ErrorProvider and the SetRowError and SetColumnError. I thought it would be a great way to do business rule validation and be able to report back to the frontend. So that put me on the slippery slop of DataBinding.

One of my more puzzling issues:

1) I have a textbox bound to a decimal field in a datarow. If I type an 'x' in the textbox and then leave focus the text box is returned to the value before I typed 'x' and the program resumes normal operation.

I have an event handler on Binding.Parse. I can see 'x' there, however, I don't know how to stop databinding from undoing the data. I want to show an error and give the user a chance to see the incorrect data. I tried without success:

Me.BindingContext(sender).EndCurrentEdit, CancelCurrentEdit and SuspendBinding() nor Me.BindingContext(sender).

EndCurrentEdit in Parse was interesting as it put me into an infinite loop retesting the bad data.

Here is some code:

```
Private Sub ErrorProvider_Load(ByVal sender As System.Object,  
ByVal e As System.EventArgs) Handles MyBase.Load
```

```
    ds = New DataSet  
    Dim dt As New DataTable("ProductChoice")  
    ds.Tables.Add(dt)  
    Me.SqlDataAdapter1.Fill(ds)
```

```
    Dim b As Binding = New Binding _  
        ("Text", ds.Tables("ProductChoice"), "Discount")
```

microsoft.public.dotnet.framework.windowsforms.databinding: Data Binding and validating data

```
AddHandler b.Parse, AddressOf ParseCurrencyStringToDecimal  
TextBox1.DataBindings.Add(b)
```

```
Dim bmCustomers As BindingManagerBase =  
Me.BindingContext(ds.Tables("ProductChoice"))  
'AddHandler bmCustomers.CurrentChanged, AddressOf  
Current_Changed  
' Add the delegate for the PositionChanged event.  
'AddHandler bmCustomers.PositionChanged, AddressOf  
Position_Changed
```

```
Me.BindingContext(ds.Tables("ProductChoice")).Position = 0
```

```
End Sub
```

```
Private Sub ParseCurrencyStringToDecimal(ByVal sender As Object,  
ByVal cevent As ConvertEventArgs)
```

```
Try  
' This is where I can see 'x' but can stop databindings.
```

```
Catch ex As Exception  
Me.ErrorProvider1.SetError(DirectCast(sender,  
Binding).Control, "incorrect")  
'DirectCast(sender,  
Binding).BindingManagerBase.CancelCurrentEdit()  
'DirectCast(sender,  
Binding).BindingManagerBase.SuspendBinding()  
'DirectCast(sender,  
Binding).BindingManagerBase.EndCurrentEdit()
```

```
'Throw  
End Try
```

```
End Sub
```