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Validating multiple textboxes using errorprovider

I have 10 textboxes, now i want to check that none of them are empty when a button is clicked. My code is :

```
if (TextBox1.Text == "")
{
    errorProvider1.SetError(TextBox1, "Please fill the required field");
}
```

Is there any way that I can check all the textboxes at once, rather than writing for every individual?

c# winforms

edited Aug 26 '12 at 14:04

 codesparkle
9,379 1 24 46

asked Aug 26 '12 at 11:43

 user1584253
169 1 3 17

That's almost certainly Windows Forms, not asp.net. — codesparkle Aug 26 '12 at 12:54

3 Answers

Yes, there is.

First, you need to obtain all the text boxes in form of a sequence, for instance like this:

```
var boxes = Controls.OfType<TextBox>();
```

Then, you can iterate over them, and set the error accordingly:

```
foreach (var box in boxes)
{
    if (string.IsNullOrEmpty(box.Text))
    {
        errorProvider1.SetError(box, "Please fill the required field");
    }
}
```

I would recommend using `string.IsNullOrEmpty` instead of `x == ""` or `string.IsNullOrEmpty` to mark text boxes filled with spaces, tabs and the like with an error.

edited Aug 26 '12 at 13:00

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answered Aug 26 '12 at 12:48

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Edit:

```
var controls = new [] { tx1, tx2. ...., txt10 };
foreach(var control in controls.Where(e => String.IsNullOrEmpty(e.Text)))
{
    errorProvider1.SetError(control, "Please fill the required field");
}
```

edited Aug 26 '12 at 12:52

answered Aug 26 '12 at 11:49

Candide



Might not be an optimal solution but this also should work

```
public Form1()
{
    InitializeComponent();
    textBox1.Validated += new EventHandler(textBox_Validated);
    textBox2.Validated += new EventHandler(textBox_Validated);
    textBox3.Validated += new EventHandler(textBox_Validated);
    ...
    textBox10.Validated += new EventHandler(textBox_Validated);
}

private void button1_Click(object sender, EventArgs e)
{
    this.ValidateChildren();
}

public void textBox_Validated(object sender, EventArgs e)
{
    var tb = (TextBox)sender;
    if(string.IsNullOrEmpty(tb.Text))
    {
        errorProvider1.SetError(tb, "error");
    }
}
```

[edited Aug 26 '12 at 16:42](#)

[answered Aug 26 '12 at 11:49](#)



[aravind](#)

433 2 14