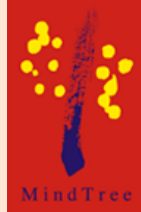


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DEVELOPING WEB PARTS FOR SHAREPOINT 2010



EXTELLIGENT DESIGN

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AGENDA

- Common guidelines
- Developing web parts using the Visual Studio 2010 Templates
- Developing Ajax Web Parts
- Develop Web Part Editors
- Common Mistakes

COMMON GUIDELINES

- Develop Editor Parts – make life easier for users
- Give as many properties as possible – make web parts flexible.
- “Traditional” web parts offer better performance, and are more easily deployed as sandbox solutions
- “Visual” web parts minimize time to develop, offer better ajax tools integration, and can be sandboxed (<http://tinyurl.com/visualwebpartsandbox>)
- Be aware of web part life cycle

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THE VISUAL STUDIO 2010 TOOLS



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DEVELOPING A “TRADITIONAL WEB
PART” IN VISUAL STUDIO 2010



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DEVELOPING A VISUAL WEB PART
IN VISUAL STUDIO 2010



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CUSTOM PROPERTIES

- `String _myProperty;`
- `[Personalizable(PersonalizationScope.Shared)]`
`[WebBrowsable(true)]`
`[System.ComponentModel.Category("My Property Group")]` `[WebDisplayName("MyProperty")]`
`[WebDescription("Meaningless Property")]`
- ```
public string MyProperty
{
 get
 {
 if (_myProperty == null)
 _myProperty = "Hello SharePoint";
 return _myProperty;
 }
 set { _myProperty = value; }
}
```

# CUSTOM PROPERTIES

## Using WebPartPageUserException to validate properties

- ```
public string NumberArray
{
    get{return _numberArray;}
    set{
        string [] arr = value.split(',');
        foreach (string item in arr)
        {
            int i;
            if(!int.TryParse(item,out i))
                throw new
WebPartPageUserException("The item \""+item+"\" is not a valid
number"); } _numberArray=value;
        }
    }
}
```

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DEVELOPING AN EDITOR PART FOR
A WEB PART



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COMMON MISTAKES

What is commonly done wrong when developing “Traditional Web Parts”

- Controls are rendered, but do not respond to events (you click on a button, the page posts-back but nothing happens)
- Controls are rendered, but the data they are supposed to show is not showing
- Controls are rendered with data in them, but if you change a property value in the web part, the data is not changed in the control until I refresh the page (or click "apply" twice)

RELATED CONTENT

Related Content

- <http://www.sharepoint-tips.com/search/label/Web%20Part%20Development>
- <http://tinyurl.com/visualwebpartsandbox>



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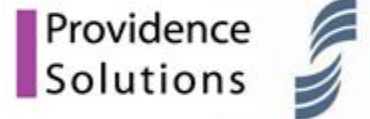
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