Validation

Except correct data in web application called validation.

Types of validation –

Client side validation

Server side validation

client side validation

Client side validation is used to a scripting language (java script)

Server Side Validation

<appSettings>

<add key="ValidationSettings:UnobtrusiveValidationMode" value="None" />

  </appSettings>

Client side validation is light weighted

Server side control is high weighted

1. RequireFieldValidator
2. RangeValidator
3. RegularExpressionValidator
4. CompareValidator
5. ValidationSummary

RequireFieldValidator

Property –

1. ErrorMessage
2. ControlToValid
3. EnableClientScript (option property if not support in .NET version then using EnableClientScript)

How to enable validation script in .NET framework?

All type of management in web application using config file (Configuration).

Using validation script inside <configuration>.

Enable Clinet Script = true

**Range Validator –**

1. Error massage
2. Control to valid
3. Min value
4. Max value

**Regular Expression validator**

Check regularity of data

Ex. Mobile, Email address, pin code etc

Property

1. ErroMessage
2. ControlToValid
3. ValidationExpression (all expression Is avaiable)
   1. Password
   2. Email
   3. pintcode
4. mobile number expression - \d (10)

Email validation expression - ^([\w-\.]+)@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.)|(([\w-]+\.)+))([a-zA-Z]{2,4}|[0-9]{1,3})(\]?)$

**Compare Expression validator**

Property –

1. Error Message
2. Control to valid – first
3. Control to compare – second

Task 1 –

Create a registration form

Name

Email

Pincode validation

Company mail

Mobile

pin code

Button – Submit

Logic 1. Use Validation

2. email id (generic mail web mail - webmail.tcs.com) -

Persomal email – “^[a-zA-Z0-9+\_.-][+@[a-zA-Z0-9.-]+$](mailto:+@[a-zA-Z0-9.-]+$)”

Compnay email – “^[a-zA-Z0-9+\_.-][+@[mastersoft.com]+$](mailto:+@[mastersoft.com]+$)”

3. mobile number validation(with country ocode +9) - “^\+91[0-9]{10}”

4. Pin Code validation – /[0-9]{6}

If all validation is success then open message.aspx page where

Validation Summary

Display all error message at the end of program

Client Side Validation

1. Client side validation is used to JavaScript.
2. Provide ID attribute to all control.
3. Accept all ID inside the script using getElementbyId()Method
4. Syntax – getElementById(“<% = controlID.ClientID %>”) ;

<asp:TextBox ID=”txtname” runat = “server”>

What is prefix – is representing the control identity.

Types of prefix

1. Predefine – (.NET framework <asp:>)
2. User define – ajax(<emp:>)

How to access JavaScript method inside C# code?

Access any kind of JavaScript method inside C# code using attributes methodology.