|  |  |  |
| --- | --- | --- |
| using System. ComponentModel. DataAnnotations;  using System.ComponentModel; |  |  |
| Type | Validation | Demo |
|  |  |  |
| Mandatory field | [Required] | [Required]  public string FullName { get; set; } |
| String length validation | [StringLength(10, MinimumLength = 5)] | [StringLength(10, MinimumLength = 5)]  public string FullName { get; set; } |
| Number validation for int data type | [Range(1, 100)] | [Range(1, 100)]  public int Age { get; set; } |
| Date range validation | [Range(typeof(DateTime), "01/01/2000", "01/01/2010")] | [Range(typeof(DateTime), "01/01/2000", "01/01/2010")]  public DateTime HireDate { get; set; } |
| Email validation through regulaexpression | [RegularExpression(@"^[\w-\.\_\+%]+@(?:[\w-]+\.)+[\w]{2,6}$", ErrorMessage = "Please enter a valid email address")] | [RegularExpression(@"^[\w-\.\_\+%]+@(?:[\w-]+\.)+[\w]{2,6}$", ErrorMessage = "Please enter a valid email address")]  public string Email { get; set; } |

|  |  |  |
| --- | --- | --- |
|  | **Display format** |  |
| Display on screen | [DisplayName("Full Name")] | [DisplayName("Full Name")]  public string FullName { get; set; } |
|  |  |  |
| //To get only the date part in a datetime data type | [DisplayFormat(DataFormatString = "{0:d}", ApplyFormatInEditMode = true)] | [DisplayFormat(DataFormatString = "{0:d}", ApplyFormatInEditMode = true)]    public DateTime HireDate { get; set; } |
| Date time display format | [DisplayFormat(DataFormatString = "{0:dd/MM/yyyy hh:mm:ss tt}")] | //To get time in 12 hour notation with AM PM  [DisplayFormat(DataFormatString = "{0:dd/MM/yyyy hh:mm:ss tt}")]  public DateTime? HireDate { get; set; } |
| Note:  //If you don't want to display a column use ScaffoldColumn attribute.  //This only works when you use @Html.DisplayForModel() helper | [ScaffoldColumn(false)] | [ScaffoldColumn(false)]  public int? Salary { get; set; } |

|  |  |  |
| --- | --- | --- |
|  | **Datatype** |  |
| Display Email as hyperlink | [DataType(DataType.EmailAddress)] | / Display mailto hyperlink  [DataType(DataType.EmailAddress)]  public string EmailAddress { get; set; } |
| Display currency | // <globalization culture="en-gb"/>  [DataType(DataType.Currency)] | // Display currency symbol. For country specific currency, set  // culture using globalization element in web.config.  // For Great Britain Pound symbol  // <globalization culture="en-gb"/>  [DataType(DataType.Currency)]  public int? Salary { get; set; } |
| Display as URL  IE. Generate HyperLink | [DataType(DataType.Url)] | // Generate a hyperlink  [DataType(DataType.Url)]  public string PersonalWebSite { get; set; } |
| Type=date | [DataType(DataType.Date)] | [D // Display only Date PartataType(DataType.Date)]  public DateTime? HireDate { get; set; } |
| Type=time | [DataType(DataType.Time)] | // Display only Time Part  // [DataType(DataType.Time)]  public DateTime? HireDate { get; set; } |
| Type=password | [DataType(DataType.Password)] |  |

Try this out all

1. **public** **class** Employee
2. {
3. [Required]
4. [Display(Name = "Employee Id")]
5. **public** **int** Id
6. {
7. **get**;
8. **set**;
9. }
10. [Required]
11. [Display(Name = "Employee Name")]
12. **public** **string** Name
13. {
14. **get**;
15. **set**;
16. }
17. [Required]
18. [Display(Name = "Email Id")]
19. [DataType(DataType.EmailAddress)]
20. **public** **string** Email
21. {
22. **get**;
23. **set**;
24. }
25. [Required]
26. [Display(Name = "Phone Number")]
27. [DataType(DataType.PhoneNumber)]
28. **public** **string** Mobile
29. {
30. **get**;
31. **set**;
32. }
33. [Required]
34. [Display(Name = "Postal Code")]
35. [DataType(DataType.PostalCode)]
36. **public** **int** PostalCode {
37. **get**;
38. **set**;
39. }
40. [Required]
41. [Display(Name = "Creation Date")]
42. [DataType(DataType.Date)]
43. **public** DateTime CreateDate
44. {
45. **get**;
46. **set**;
47. }
48. [Required]
49. [Display(Name = "Credit Card Details")]
50. [DataType(DataType.CreditCard)]
51. **public** **string** Address {
52. **get**;
53. **set**;
54. }
55. [Required]
56. [Display(Name = "Password")]
57. [DataType(DataType.Password)]
58. **public** **string** Password {
59. **get**;
60. **set**;
61. }
62. [Required]
63. [Display(Name = "URL")]
64. [DataType(DataType.Url)]
65. **public** **string** URL
66. {
67. **get**;
68. **set**;
69. }
70. }