String MinLength and MaxLength validation don't work (asp.net mvc)



I have this class

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```
using System.ComponentModel.DataAnnotations;
using Argussoft.BI.DAL.Domain.Users;
namespace Argussoft.BI.DAL.DTOs.UserDTOs
   public class CreateUserDto
        [Required(ErrorMessage = "Введите логин")]
        [MaxLength(User.EmailLength, ErrorMessage = "Максимальная длина логина 40
символов")]
        [RegularExpression(User.NameRegularExpression, ErrorMessage = "Логин может
содержать только латинские символы, дефисы, подчеркивания, точки")]
        public string Name { get; set; }
        [Required(ErrorMessage = "Введите Email")]
        [MaxLength(User.EmailLength, ErrorMessage = "Максимальная длина адреса
электронной почты 100 символов")]
        [RegularExpression(User.EmailRegularExpression, ErrorMessage = "Введите
корректный адрес электронной почты")]
        public virtual string Email { get; set; }
        [Required(ErrorMessage = "Введите имя пользователя")]
        [MaxLength(User.FullNameLength, ErrorMessage = "Максимальная длина имени
пользователя 100 символов")]
        [RegularExpression(User.NameRegularExpression, ErrorMessage = "Имя пользователя
может содержать только латинские символы, дефисы, подчеркивания, точки")]
        public virtual string FullName { get; set; }
        public virtual int Role { get; set; }
        [RegularExpression(User.PhoneRegularExpression, ErrorMessage = "Введите
корректный номер телефона")]
        public virtual string Phone { get; set; }
        public virtual int Status { get; set; }
        [Required(ErrorMessage = "Введите пароль")]
```

символов")]

```
[RegularExpression(User.PasswordRegularExpression, ErrorMessage = "Пароль может
 содержать только латинские символы, дефисы, подчеркивания, точки")]
         public virtual string Password { get; set; }
and this form
 @model Argussoft.BI.DAL.DTOs.UserDTOs.CreateUserDto
 @using (Ajax.BeginForm("CreateUser", "User", new AjaxOptions { OnSuccess =
 "onSuccessCreateUser" }, new { id = "dialog_form", @class = "form-horizontal" }))
     <div class="modal-header">
         <button type="button" class="close" data-dismiss="modal" aria-</pre>
 hidden="true">×</button>
         <h4>Добавить пользователя</h4>
     </div>
     <div class="modal-body">
         <!-- Name -->
         <div class="control-group">
             <label class="control-label" for="@Html.NameFor(model =>
 model.Name)">Логин</label>
             <div class="controls">
                 <div class="input-prepend">
                     @Html.TextBoxFor(model => model.Name, new { @class = "span3", id =
 "input_name" })
                     <br />
                     @Html.ValidationMessageFor(model => model.Name)
                 </div>
             </div>
         </div>
         <!-- Email -->
         <div class="control-group">
             <label class="control-label" for="@Html.NameFor(model =>
 model.Email)">Email</label>
             <div class="controls">
                 <div class="input-prepend">
                     @Html.TextBoxFor(model => model.Email, new { @class = "span3", id =
 "input email" })
                     <br />
```

```
</div>
        <!-- FullName -->
        <div class="control-group">
            <label class="control-label" for="@Html.NameFor(model =>
model.FullName)">Имя пользователя</label>
            <div class="controls">
                <div class="input-prepend">
                    @Html.TextBoxFor(model => model.FullName, new { @class = "span3", id
= "input full name" })
                    <br />
                    @Html.ValidationMessageFor(model => model.FullName)
                </div>
            </div>
        </div>
        <!-- Role -->
        <div class="control-group">
            <label class="control-label" for="@Html.NameFor(model => model.Role)">Роль
пользователя</label>
            <div class="controls">
                <div class="input-prepend">
                    @Html.DropDownList("Role", (SelectList)ViewBag.Roles,new{id
="input_role"})
                    <br />
                    @Html.ValidationMessageFor(model => model.Role)
                </div>
            </div>
        </div>
        <!-- Phone -->
        <div class="control-group">
            <label class="control-label" for="@Html.NameFor(model =>
model.Phone)">Контактный телефон</label>
            <div class="controls">
                <div class="input-prepend">
                    @Html.TextBoxFor(model => model.Phone, new { @class = "span3", id =
"input phone" })
                    <br />
                    @Html.ValidationMessageFor(model => model.Phone)
                </div>
            </div>
        </div>
        <!-- Status -->
        <div class="control-group">
```

```
<div class="input-prepend">
                     @Html.DropDownList("Status", (SelectList)ViewBag.UserStatuses,new{id
 ="input status"})
                     <br />
                     @Html.ValidationMessageFor(model => model.Status)
                 </div>
             </div>
         </div>
         <!-- Password -->
         <div class="control-group">
             <label class="control-label" for="@Html.NameFor(model =>
 model.Password)">Пароль пользователя</label>
             <div class="controls">
                 <div class="input-prepend">
                     @Html.TextBoxFor(model => model.Password, new { @class = "span3", id
 = "input password" })
                     @Html.ValidationMessageFor(model => model.Password)
                 </div>
             </div>
         </div>
     </div>
     <div class="modal-footer">
         <a href="@Url.Action("UserIndex", "User")" class="btn">Отменить</a>
         <button type="submit" id="save button" class="btn btn-</pre>
 primary">Coxpанить</button>
    </div>
User class:
 public class User : BaseEntity
    public const int NameLength = 40;
    public const int PasswordMinLength = 5;
    public const int PasswordMaxLength = 20;
    public const int FullNameLength = 100;
    public const int EmailLength = 100;
     public const int PhoneLength = 40; //...
```

What can be a reason?



edited Jul 3 '18 at 21:41
Tieson T.

asked Aug 16 '13 at 15:23

Heidel

What is the value of User. EmailLength? - PW Kad Aug 16 '13 at 15:25

public class User: BaseEntity { public const int NameLength = 40; public const int PasswordMinLength = 5; public const int PasswordMaxLength = 20; public const int FullNameLength = 100; public const int EmailLength = 100; public const int PhoneLength = 40; //...} — Heidel Aug 16 '13 at 15:27 //

5 Answers



MaxLength is used for the Entity Framework to decide how large to make a string value field when it creates the database.

115 From MSDN:



Specifies the maximum length of array or string data allowed in a property.



StringLength is a data annotation that will be used for validation of user input.

From MSDN:

Specifies the minimum and maximum length of characters that are allowed in a data field.

Non Customized

Use [String Length]

[BagulanEvanaccian/A"A [F]d" EnnonMaccago = "Minimum 2 changetone naguinod"\]

30 is the Max Length Minimum length = 3

Customized StringLengthAttribute Class

```
public class MyStringLengthAttribute : StringLengthAttribute
    public MyStringLengthAttribute(int maximumLength)
        : base(maximumLength)
    }
    public override bool IsValid(object value)
        string val = Convert.ToString(value);
        if (val.Length < base.MinimumLength)</pre>
            base.ErrorMessage = "Minimum length should be 3";
        if (val.Length > base.MaximumLength)
            base.ErrorMessage = "Maximum length should be 6";
        return base.IsValid(value);
public class MyViewModel
    [MyStringLength(6, MinimumLength = 3)]
    public String MyProperty { get; set; }
```

edited Aug 16 '13 at 16:03

answered Aug 16 '13 at 15:28



5.595 5 28 54

How can I set min and max values in this case? - Heidel Aug 16 '13 at 15:30

Thank you, it works. But if I need to set different error messages for MinimumLength and MaximumLength, how can I do that? - Heidel Aug 16 '13 at 15:39

I tried to use your Customized StringLengthAttribute Class, I don't get compilation errors, but it doesn't work again and I don't get any validation error. stackoverflow.com/questions/18307385/... What can be wrong? - Heidel Aug 19 '13 at 6:15 /

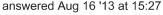
I post my model and view controller here stackoverflow.com/questions/18307385/... - Heidel Aug 19 '13 at 6:24



Try using this attribute, for example for password min length:



[StringLength(100, ErrorMessage = "Максимальная длина пароля 20 символов", MinimumLength = User.PasswordMinLength)]





If I need to set different error messages for MinimumLength and MaximumLength, how can I do that? - Heidel Aug 16 '13 at 15:43



They do now, with latest version of MVC (and jquery validate packages). mvc51-release-notes#Unobtrusive

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Thanks to this <u>answer</u> for pointing it out!



edited May 23 '17 at 10:31

Community ◆

answered Jun 26 '14 at 3:42



62k 16 115 172

Silent downvoters lurk amongst us. – Mrchief Apr 20 '16 at 14:17



2

```
[StringLength(16, ErrorMessageResourceName=
"PasswordMustBeBetweenMinAndMaxCharacters", ErrorMessageResourceType =
typeof(Resources.Resource), MinimumLength = 6)]
  [Display(Name = "Password", ResourceType = typeof(Resources.Resource))]
  public string Password { get; set; }
```

Sava recourse like this

"ThePasswordMustBeAtLeastCharactersLong" \mid "The password must be $\{1\}$ at least $\{2\}$ characters long"

answered Dec 12 '15 at 10:33



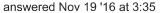
Ruben.sar



This can replace the MaxLength and the MinLength

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[StringLength(40, MinimumLength = 10 , ErrorMessage = "Password cannot be longer than 40 characters and less than 10 characters")]





amal50

457 2 12 29

1 vb.net sytax <StringLength(20, MinimumLength:=5)> – JoshYates1980 Mar 21 '17 at 21:30 🖍