

Validation

Last updated by | Aleksey Glukharev | 16 May 2025 at 02:54 GMT+4

All controls should validate user's input.

Basic validation

A basic validation is provided by the [jQuery Validation Plugin](#). You can use [ASP.NET](#) MVC data validation attributes in a model or jQuery Validation Plugin data-* and html attributes in a cshtml page. But there is a problem with [ASP.NET](#) MVC validation attributes in a model when they are in a modal dialog (so, you will want to use html attributes).

Examples

Using [ASP.NET](#) MVC data validation attributes

In a view:

```
</div>
</div>
<div class="form-group m-form__group row">
  <div class="col-sm-6 col-12">
    <div class="row">
      <label class="control-label col-sm-4">@L("DeliverTo");</label>
      <div class="col-sm-8">
        <input type="text" class="form-control" asp-for="DeliverTo">
      </div>
    </div>
  </div>
</div>
```

In a model:

```
[StringLength(500)]
3 references | Joe, 46 days ago | 1 author, 1 change | 0 exceptions
public string DeliverTo { get; set; }
```

Note: make sure to use `EntityStringLengths` instead of hardcoding the length value, see [Common issues: String Length](#).

Using html attributes

```
<input type="hidden" asp-for="Id" />
<div class="form-group">
  <label class="required-label" asp-for="Name">@L("Name");</label>
  <input class="form-control" type="text" asp-for="Name" required maxlength="100">
</div>
```

Using jQuery Validation Plugin data-* attributes (see documentation for the list of all attributes)

```
<div class="form-group">
  <label asp-for="WarningMiles">@L("WarningMiles");</label>
  <input type="text" class="form-control" asp-for="WarningMiles" data-rule-number="true" data-rule-min="0" data-rule-max="1000000">
</div>
```

Labels with red asterisks

Required fields should be displayed with red asterisks:

Total Labor Cost: *

Tax %: *

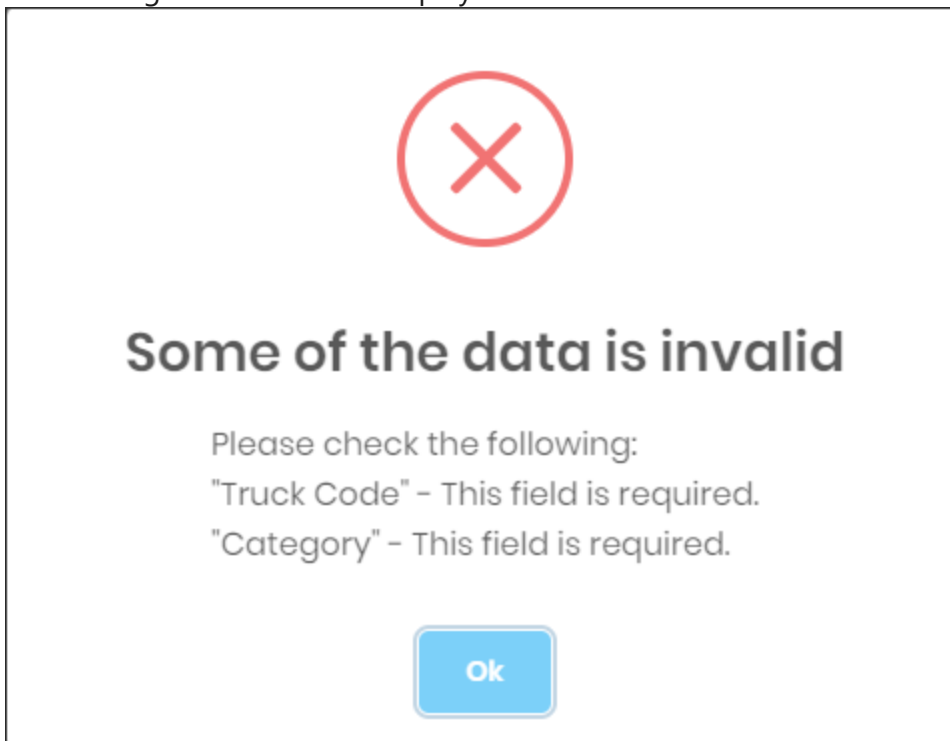
Total Cost: *

To implement this in code use required-label css class:

```
<div class="form-group">
  <label class="required-label" asp-for="Name">@L("Name")</label>
  <input class="form-control" type="text" asp-for="Name" required
</div>
```

A message box with warning

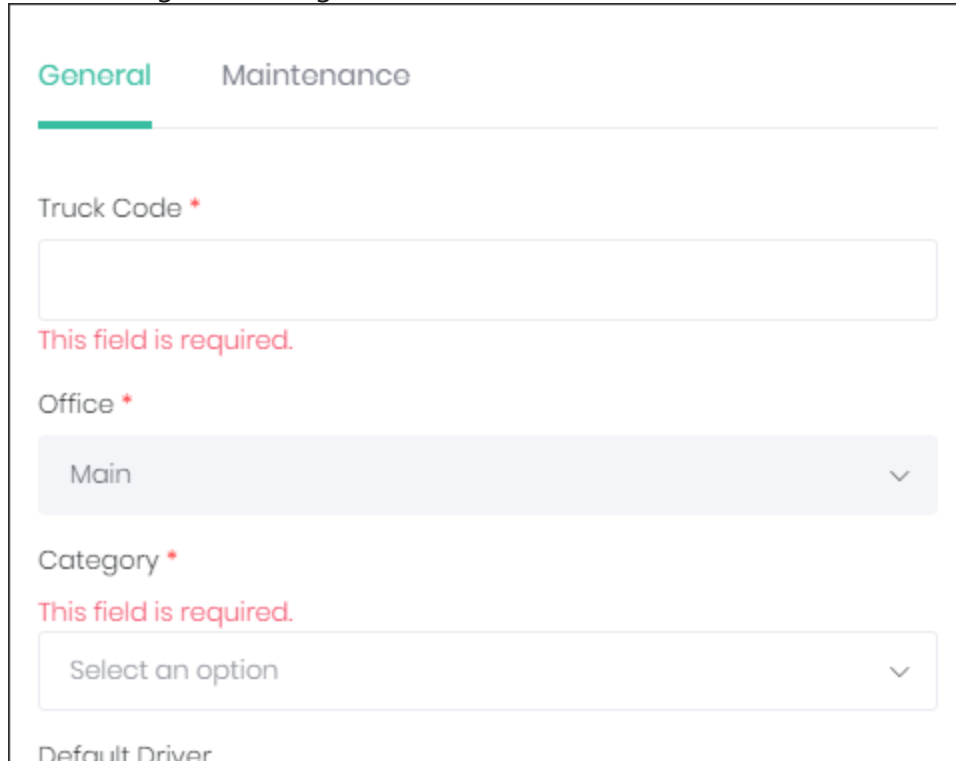
The message box should be displayed if there are validation errors:



To implement this, place this code in a save method:

```
if (!form.valid()) {
    form.showValidateMessage();
    return;
}
```

After closing the message box a user will see controls with validation errors:



The screenshot shows a web form with two tabs: 'General' (active) and 'Maintenance'. The form contains the following fields:

- Truck Code ***: A text input field with a red asterisk. Below it, a red error message reads: "This field is required."
- Office ***: A dropdown menu with 'Main' selected and a red asterisk. Below it, a red error message reads: "This field is required."
- Category ***: A dropdown menu with 'Select an option' as the placeholder and a red asterisk. Below it, a red error message reads: "This field is required."
- Default Driver**: A label for a field that is partially visible at the bottom of the form.

Connected dates validation

A common validation which isn't supported by the jQuery Validation Plugin is a connected dates validation. For example, a start date cannot be after an end date.

To implement such validation place this code in a save method:

```
if (!abp.helper.validateStartEndDates(
    { value: $("#ProposalDate").val(), title: $('label[for="ProposalDate"]').text() },
    { value: $("#ProposalExpiryDate").val(), title: $('label[for="ProposalExpiryDate"]').text() },
    { value: $("#InactivationDate").val(), title: $('label[for="InactivationDate"]').text() }
)) {
    return;
}
```

The `abp.helper.validateStartEndDates` function accepts objects with 2 properties: the value and title. The value is a value of date control and the title is a title (label) of date. The first date shouldn't be after all others, the second date shouldn't be after third, forth and so on.

If a user has entered wrong dates a message box will be displayed:

