

Sitecore MVC Forms

Localization



About

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Agenda

- ASP.NET MVC Forms Translations
- Localization with Sitecore
- DisplayNames with Sitecore
- Serverside Validation with Sitecore
- Clientside Validation with Sitecore
- Summary
- Q&A

ASP.NET MVC Forms Translations

- View Models with Data Annotations
- Define label with `[Display]`
- Define validators with e.g. `[Required]`
- Ways of translations
 - Default validation message or property name
 - Statically set a message/name
 - Use .NET resource files for translation

<Talk code to me>

Localization with Sitecore

- Sitecore Dictionaries
- Key/Phrase pair as a Sitecore item
- `Translate.Text(string key)`

DisplayNames with Sitecore

- Ways of translations
 - Pass translation to `@Html.LabelFor(...)`
 - Create a custom attribute
 - Create a custom `ModelMetadataProvider`

<Talk code to me>

Serverside Validation with Sitecore

- Using custom attribute
 - Use a custom attribute for each validator
 - Inherit from the default `ValidationAttribute`
 - Override: `FormatErrorMessage()`
- **Pros:** Supports placeholders and default .NET messages
- **Cons:** Own class for each validator

<Talk code to me>

Clientside Validation with Sitecore

- Create custom adapters
- Register them on startup
- Add JavaScript dependencies

```
Microsoft.jQuery.Unobtrusive.Validation  
jQuery.Validation  
jQuery
```

<Talk code to me>

But wait, isn't
there...

Yes, there is!

The Ultimate Solution

- Add serverside translations to your custom adapters
- Override: `validate()`
- Replace `ModelValidationResult` message

<Talk code to me>

Summary

- Create a `ModelMetadataProvider` to translate labels
- Create `DataAnnotationsModelValidators` to translate validation errors on the client and the server
- Create `ValidationAttributes` if you need custom validation which support placeholders to translate validation errors

Resources

<https://github.com/SUGCH/SitecoreMVCFormsLocalization>

Q&A

Thank you