

Best of MVC

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What I've put together about MVC that hasn't partially been covered in my talk or by others...

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...in less than two hours

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Shout out to Scott Hanselman





Ask the exp

ASP.NET MVC

NUGET

JQ

AJA

ORCHARD

SESSION

HOW OUT OF ASP.NET MVC3

(VCS 300)

IS 100

SCOTT
DA MAN!

WPF

PHONE7

CHANGE !!!

GETTING THE MEAT OUT

BY HON HAN (C)

OF 'BUILT' RAZOR, SHAR

Microsoft
Trade Show Area

Razor



Razor

- Less noise
- More intermixed
- Support for Sections
- `_ViewStart.cshtml`
- Html Encoded by default (Html.Raw helper for raw)



DEMO

Razor



An improved Validation



Validation

- Can be set in web.config
- Compare Attribute
- Remote Attribute
- AllowHtml
- StringLength.Minimum now works!
- Model Validation via IValidatableObject

DEMO

Validation

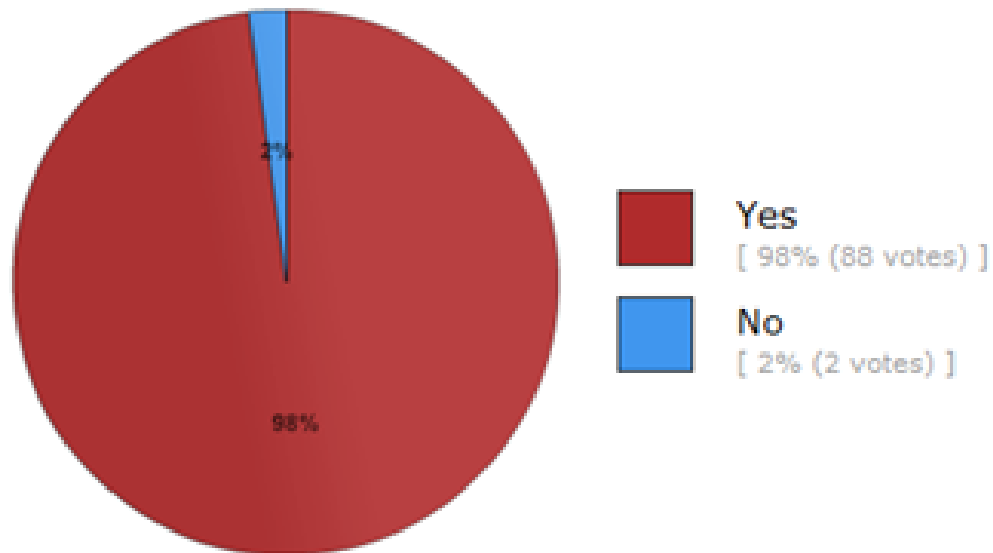


The Model: The Good, The Dynamic and the WTF?!



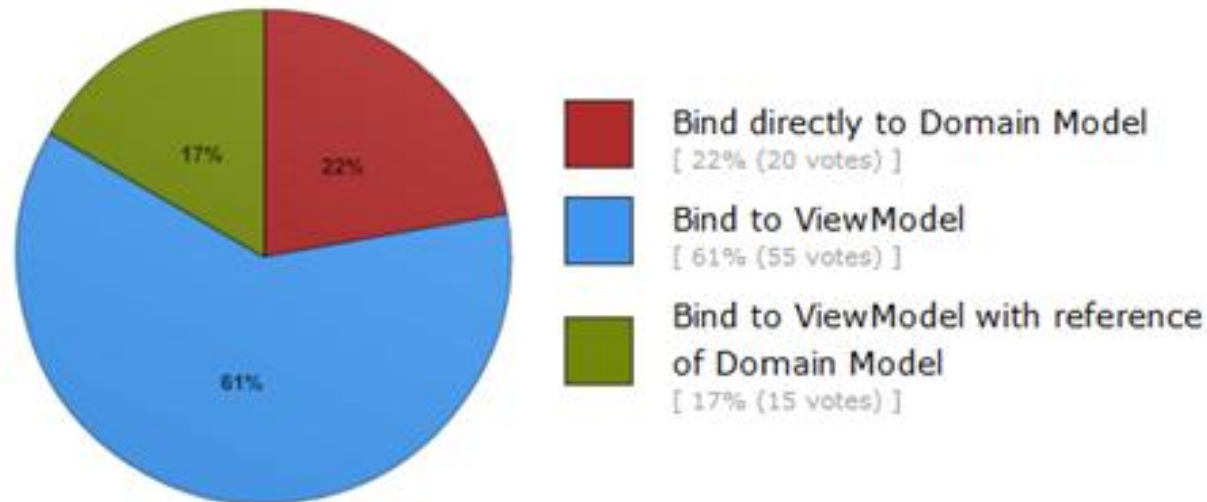
1- Do you use Strongly-Typed Views

Total: 90 votes



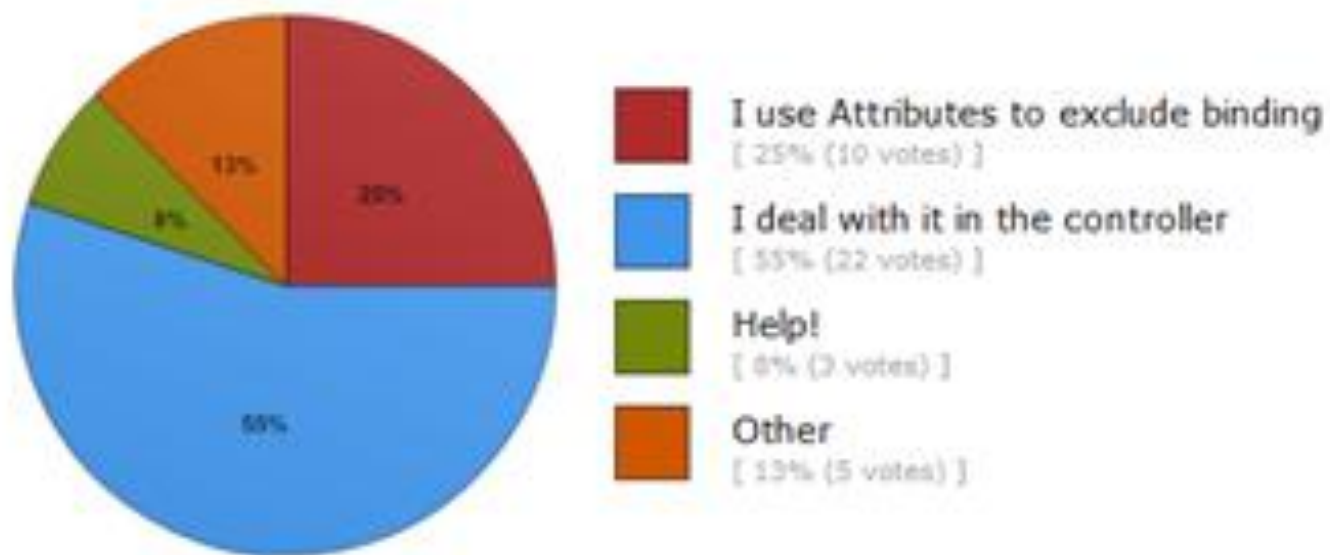
2- If you answered Yes to previous question, do you...

Total: 90 votes



3- If you bind to Domain Model, how do you handle partial updates?

Total: 40 votes



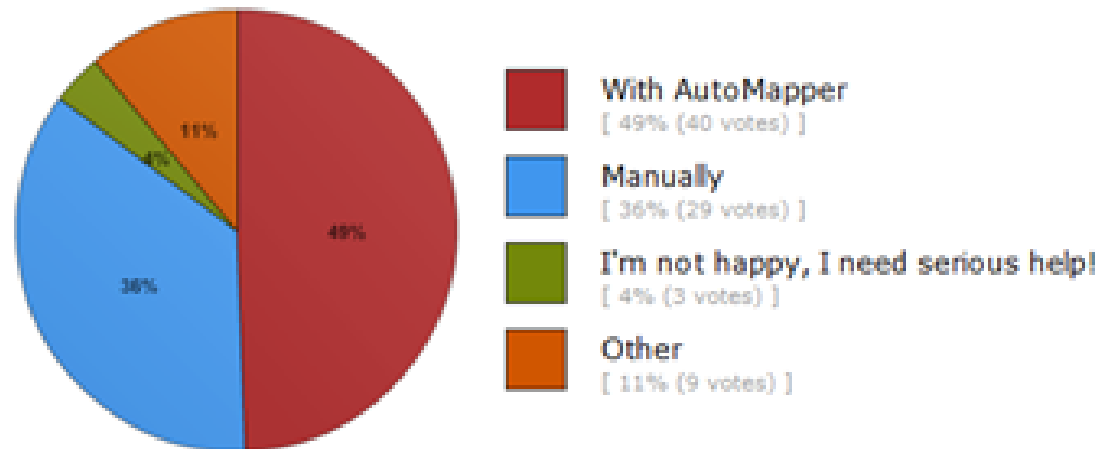
Interface TryUpdateModel

Partial updates of what?

orm != partial updates

5- If you use ViewModels, how do you handle mappings?

Total: 81 votes



AutoMapper when possible, manually otherwise

Model properties are Entity Framework data objects

Automapper + manual

i dont use it

bitoolkit

Expressions

Automapper and Manually (linq projections)

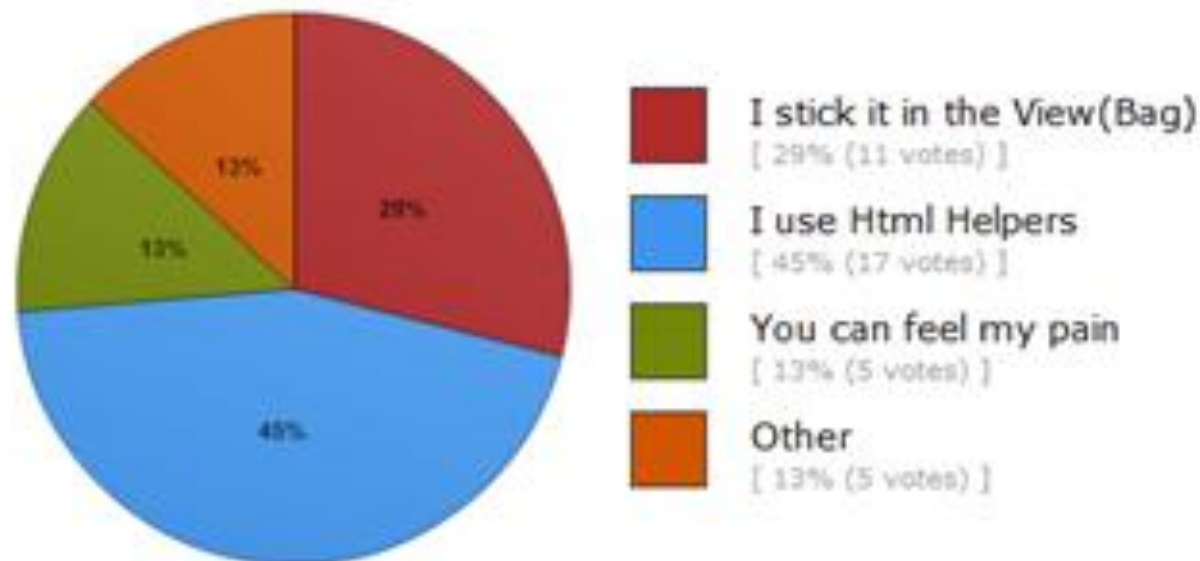
TryUpdateModel

CQRS

Hide (9) ↑

4- If you bind to Domain Model, how do you deal with extra data such as country list?

Total: 38 votes

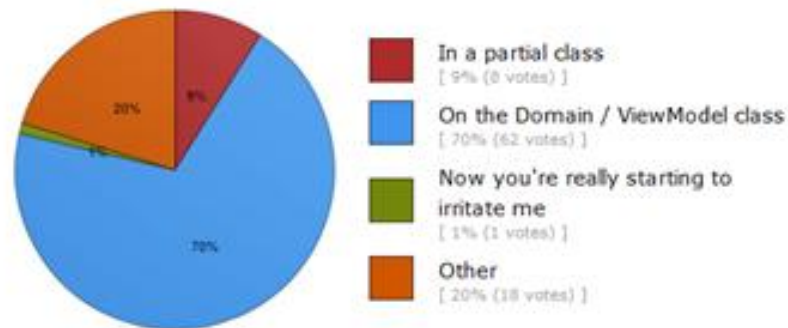


Modelmetadata

conventions

6- Whether you bind to Domain Model or ViewModels, where do you place validation?

Total: 89 votes



Some on the client side, most of the business logic in the domain

validation rules class for each ViewModel

in a rules engine based domain validation http module

separate validation class

declarative/controller

We have concept of FormModels that contain form submission data and validation. In addition, validation goes on commands

Controller/Validation Definition/ModelMetadataConfiguration

separate classes

Application Services

Attributes / Controller (changing with MVC 3 I guess)

As a behavior in FubuMVC

External validator class

Partial and Domain/ViewModel classes, it depends

Validators in the Domain Model

We use Fluentvalidation

Model Binder w/ Validation Service via IoC

in a validation class

Hide (17) +

Dynamic Views



View Models

```
public class Customer
{
    public string FirstName { get; set; }
    public string LastName { get; set; }
    public string Company { get; set; }
    public IList<Invoice> Invoices { get; set; }
}
```

```
public class CustomerEditViewModel
{
    public string FirstName { get; set; }
    public string LastName { get; set; }

    public IList<Country> ListOfCountries { get; set; }
}
```

Where do we Map?



Single Responsibility Principle



The Fat Controller

THOMAS
& FRIENDS



Thin Controllers

Leverage Aspect Orientated Programming:
Filters and more...



AOP

- Attributes
- IoC Interceptors
- Global Filters



Aspect Orientated Programming



Leveraging ReST



DEMO

EasyMVC



Coping with Complex Applications



Dependency Injection



Startups: IStartup and WebActivator



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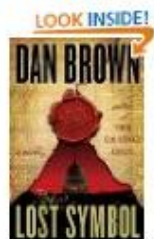
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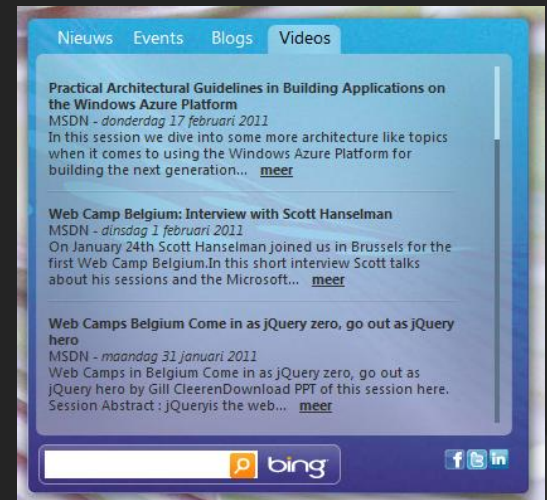
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THANK YOU

