

Mvc next level



This is me

- Ruben
- .Net, javascript, typescript, azure, kubernetes ... --> all the things
- General nerd, D&D enthusiast, likes metal
- Ex kdg student
- 4 jaar aan het werk

Agenda

- mvc, do not repeat yourself
 - display templates
 - editor templates
 - tagHelpers
 - ViewComponents
- transactions
 - unit of work
- shameless self promotion



What are we going to build

- Voting mvc app
- Questions with possible answers --> record your answers

The basic setup

I've taken the liberty of setting up the basic structure.

- DAL layer with repository & Context (and some seed data).
 - inMemory sql lite for easy development
- asp.net core MVC application
 - RazorRuntimeCompilation active!

EditorTemplates

Where?

- Under Views/shared/EditorTemplates
- Under Views/ControllerName/EditorTemplates

How?

- `@Html.EditorForModel()`
- `@Html.EditorFor(m => m.Property)`

DisplayTemplates

Where?

- Under Views/shared/DisplayTemplates
- Under Views/ControllerName/DisplayTemplates

How?

- `@Html.DisplayForModel()`
- `@Html.DisplayFor(m => m.Property)`

TagHelpers

Where?

- `_Views/_ViewImports.cshtml`
- `@addTagHelper *, NameOfMyProject`

What?

- Inherit van `TagHelper`
- `[ViewContext]` op prop
- Inject `IHtmlHelper`
- Override `Process`

ViewComponents

Where?

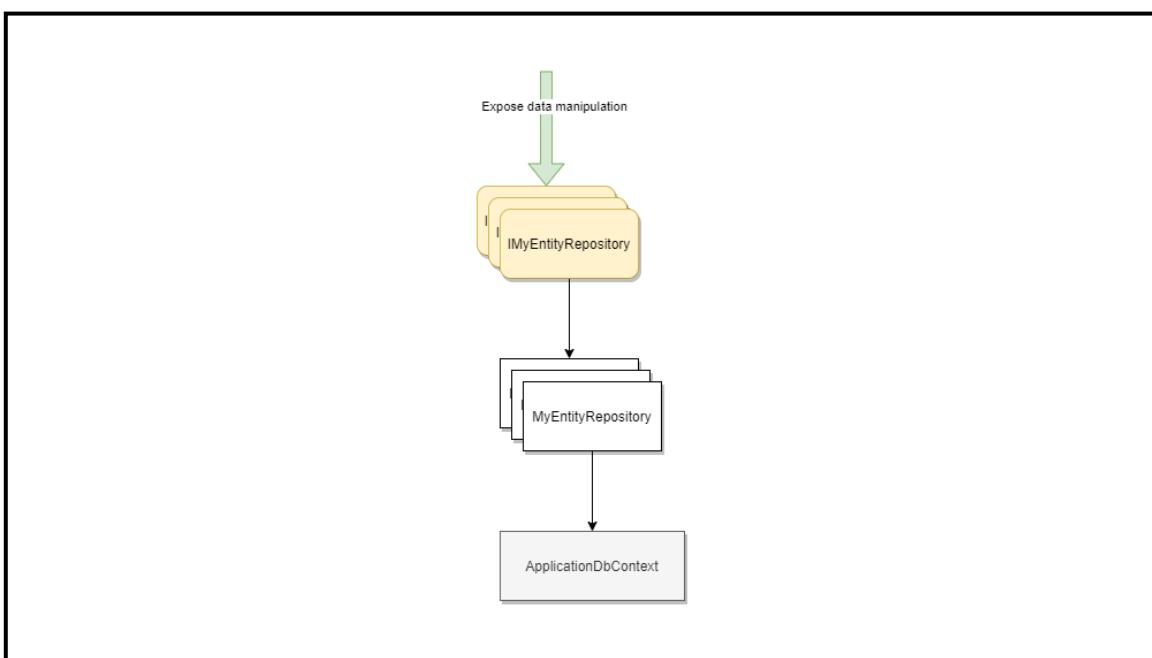
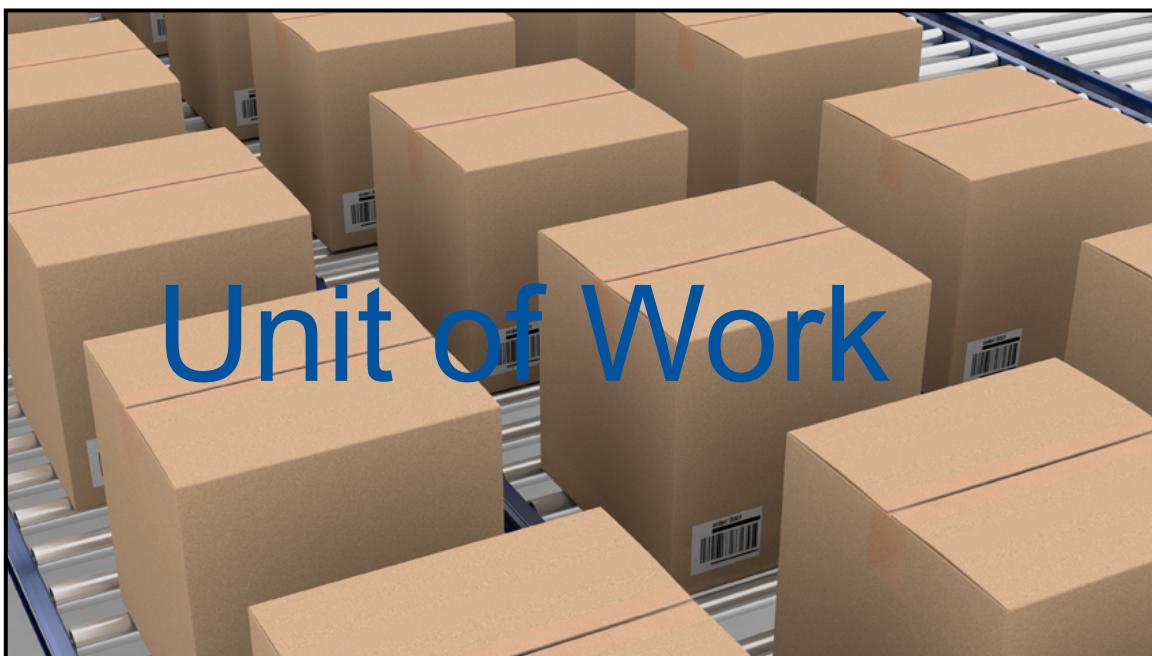
- Class goes anywhere
- View goes
`Views/Shared/Components/{YourComponentName}/Default.cshtml`

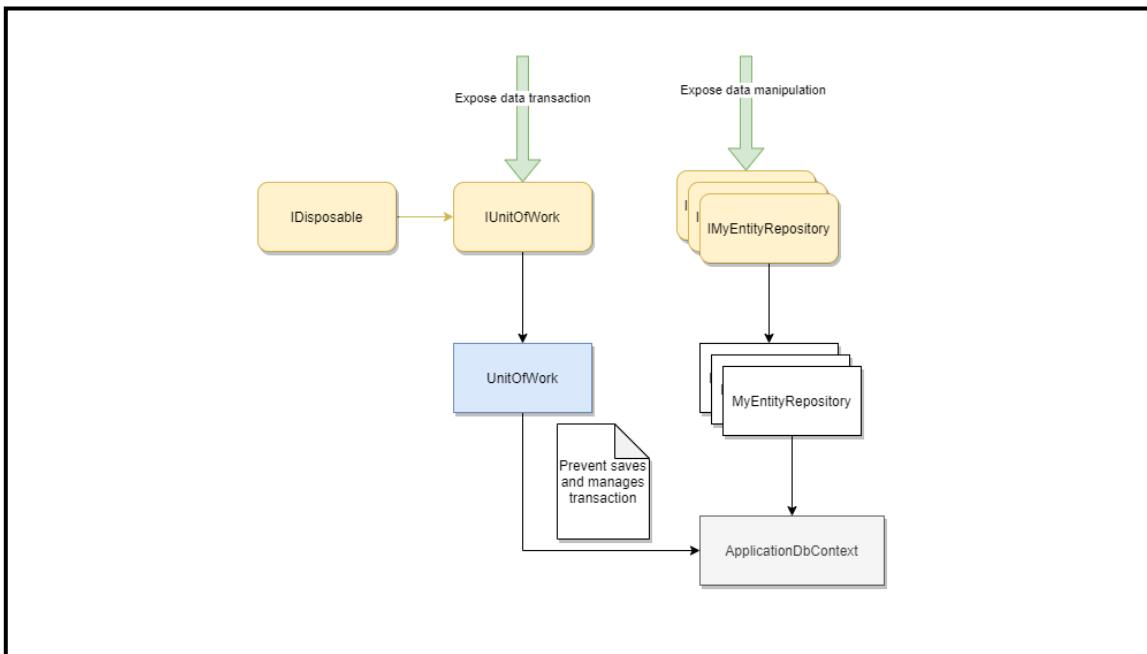
What?

- Inherits from `ViewComponent` and/or name ends with `ViewComponent`
- Method `Invoke` or `InvokeAsync` by convention
- Returns `IViewComponentResult`

How?

- `<vc:{yourComponentName} prop="value"/>`
- All props must be provided or it will fail silently!







```
SyncMethodA();
```

```
SyncMethodB();
```

```
SyncMethodC();
```



@joni2nja #BrushNinja



```
SyncMethodA();
```

```
await MethodAsync();
```

```
SyncMethodC();
```



@joni2nja #BrushNinja

What magic words do I need to put in?

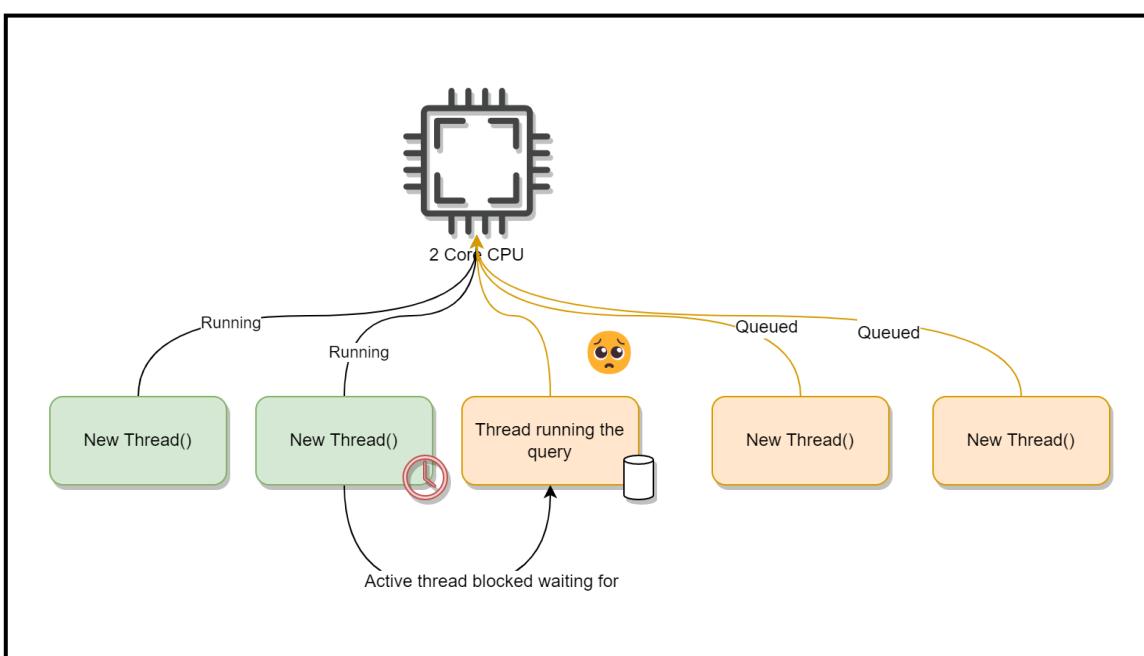
Instead of this

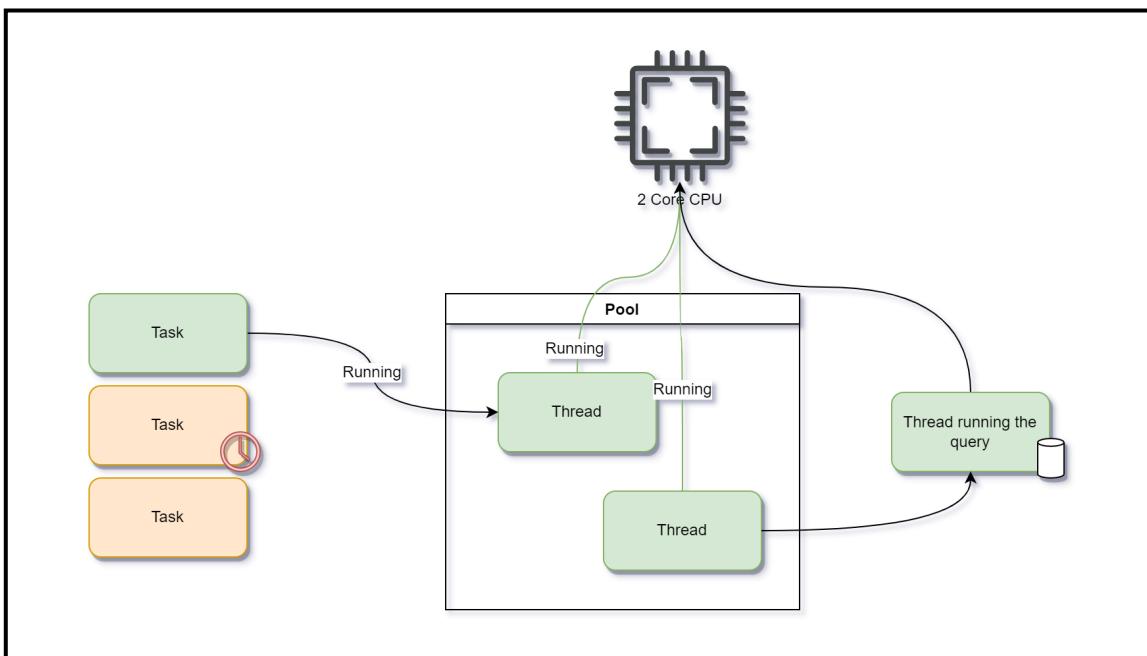
```
[HttpGet("question/{id:int}")]
public IActionResult Question(int id)
{
    var question = _dbContext.Questions.FirstOrDefault(q => q.Id == id) ;
    return View(ToViewModel(question));
}
```

Do this

```
[HttpGet("question/{id:int}")]
public async Task<IActionResult> Question(int id)
{
    var question = await _dbContext.Questions.FirstOrDefaultAsync(q => q.Id == id) ;
    return View(ToViewModel(question));
}
```

[good article to read](#)





Vakantie
werk?



**Een vakantiejob
in de IT?**

**Ga aan de slag voor
Casa Magnolia**

Tijdens je zomervakantie
een applicatie
bouwen met onze
IT-specialisten
voor Casa Magnolia.

Can you do IT?

Meer informatie
of solliciteren?

QR code

casa magnolia
Woon en werken bij ons!

InfoSupport
Solid Innovator

it's all on github

<https://github.com/RubMertens/kdg-talk-mvc>