View Models

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Module Overview

View Models

- What are View Models

- Entities or View Models

- View Models in Views

- View Models in Forms

- Mapping View Models

define: View Model

A use-case specific view of data for one and two way binding to physical or logical views.

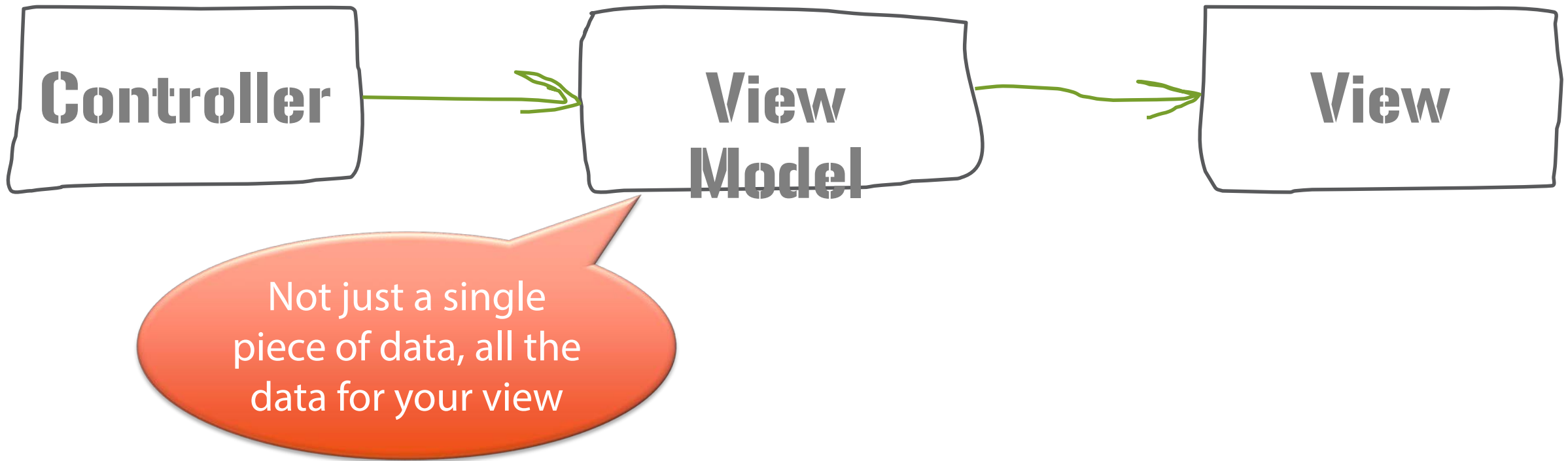**ALSO KNOWN AS**: DATA TRANSFER OBJECT, DATA MODEL AND DATA VIEW

In ASP.NET MVC, any data
used by a view is a View Model
even if it is your Entities

Pragmatism

- Many organizations make View Models for every Entity in their system

  - This is likely over-engineering

  - Create View Models as necessary, not out of habit

    - Many View Models are not shaped like your domain objects

    - Separation between Entities & View Models can aid maintenance of large scale projects

    - Loosely typed View Models are acceptable if the schedule win is worth the risk

The MVC in MVC

Controller → View Model → View

> Not just a single piece of data, all the data for your view

Demo

View Models in MVC Views

Demo

View Models in MVC Form Creation

Demo

View Models in MVC Form Submission

Demo

Mapping of View Models for Views

Demo

Mapping of View Models for Forms

What We've Learned

ViewModels

The data that flows through an ASP.NET MVC Project

Can be your entities, but has its drawbacks

The line between pragmatism and over-engineering is thin