

# Introduction to ASP.NET MVC

**Brad Wilson, ASP.NET MVC team**

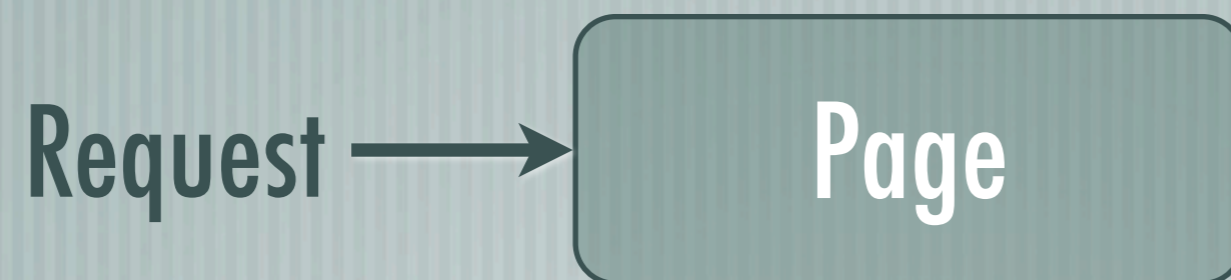
**[bradwils@microsoft.com](mailto:bradwils@microsoft.com)**

**<http://bradwilson.typepad.com>**

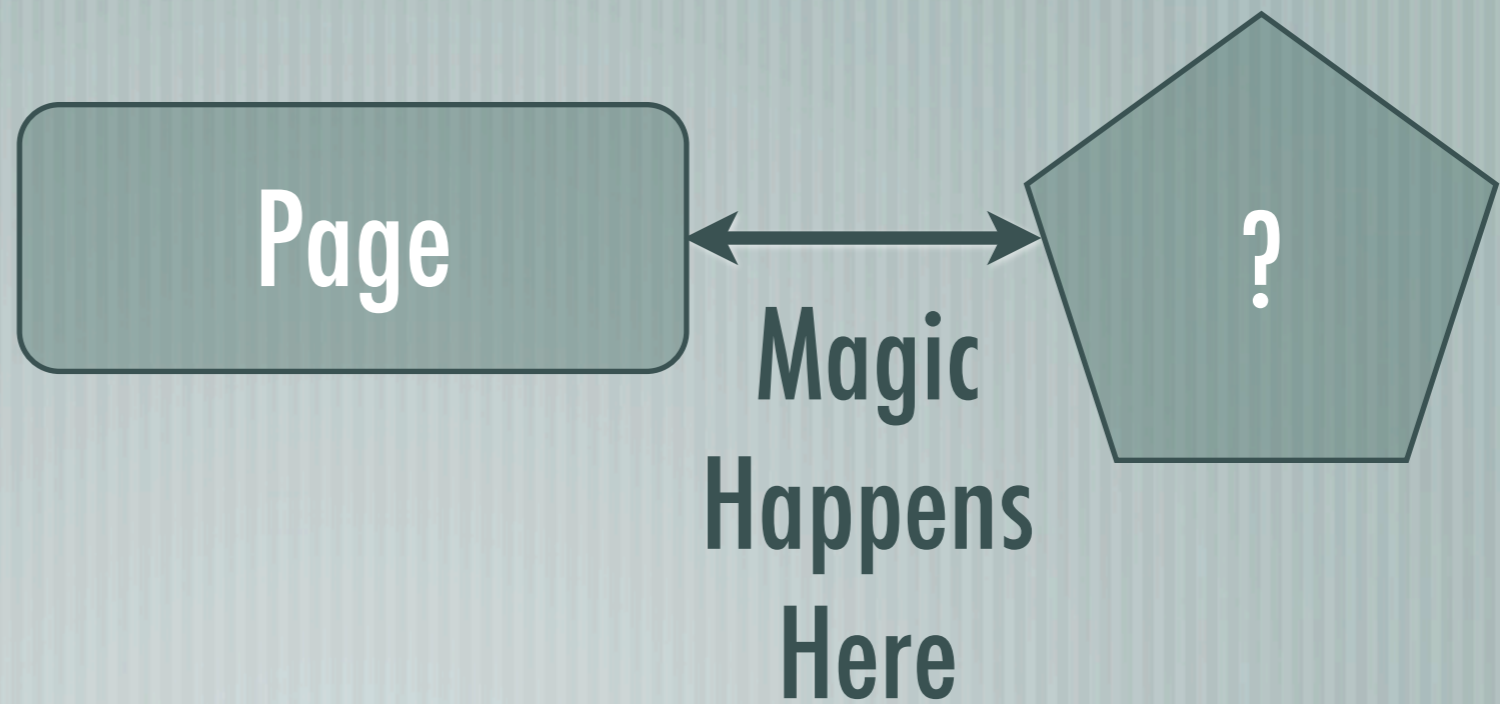
**<http://twitter.com/bradwilson>**

# ASP.NET WebForms

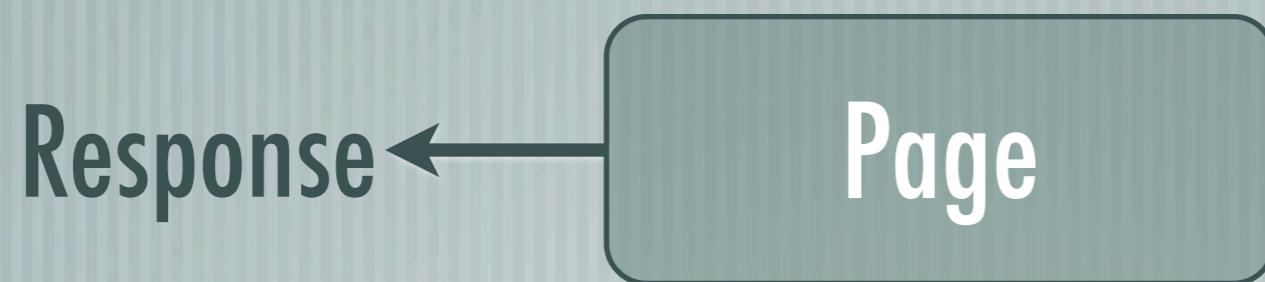
# WebForms Illustrated



# WebForms Illustrated



# WebForms Illustrated



# Model-View-Controller

(Separated Presentation)

# Model

— [ Domain-specific representation of data

— [ Business logic

— [ Storage layer is an implementation detail

# View

— [ Presents data to the user

— [ Read-only views as well as forms

— [ Minimal display-only logic



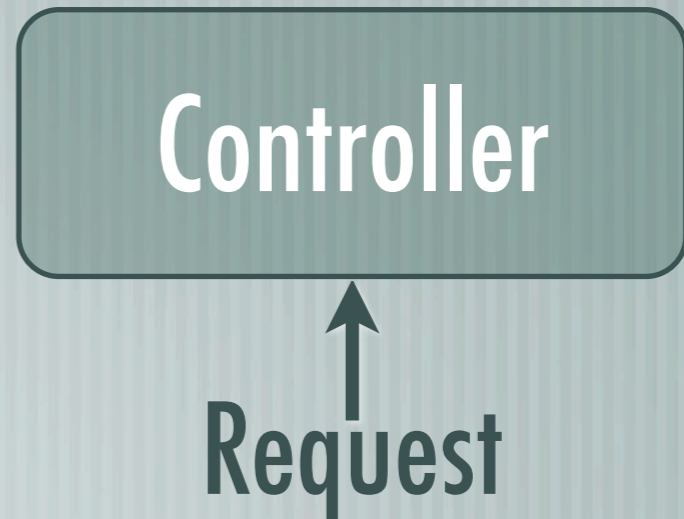
# Controller

— [ Responds to requests

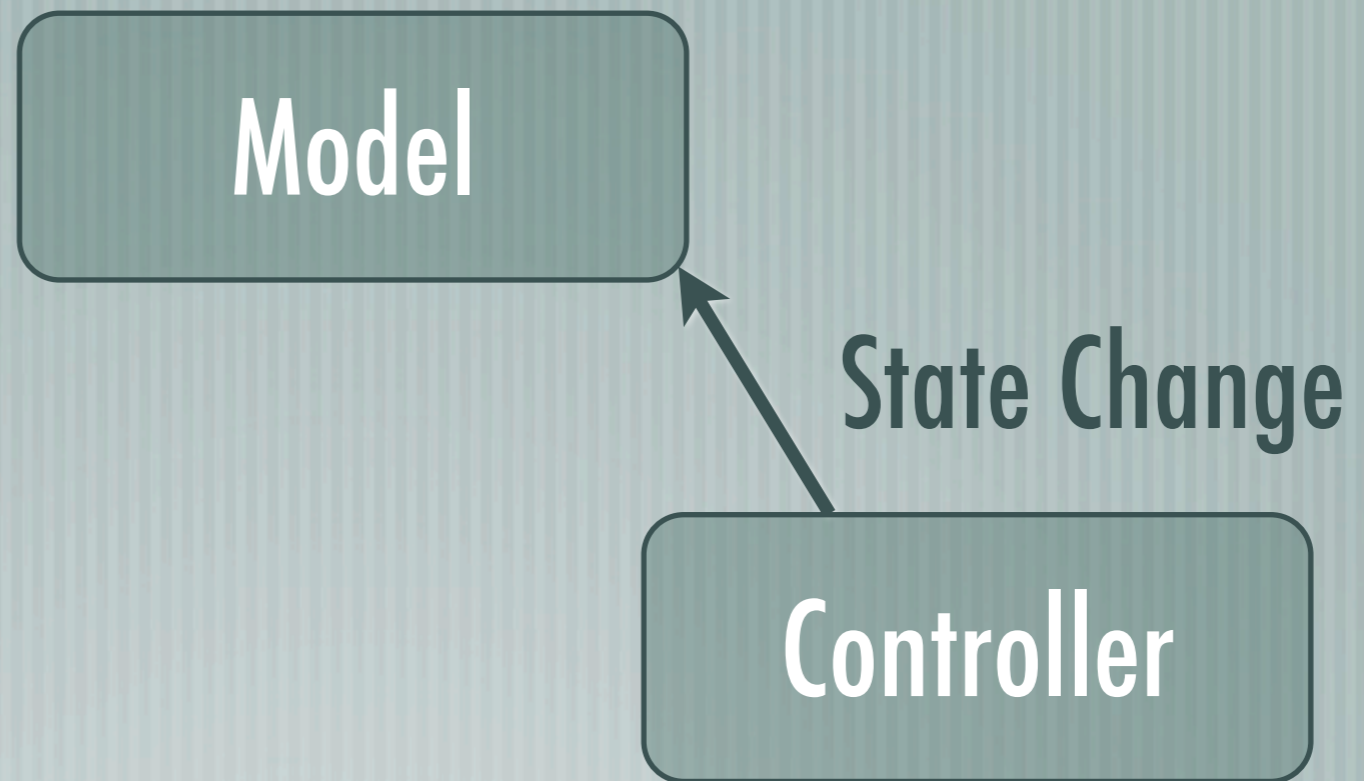
— [ Connects models to view

— [ Invokes model code as appropriate

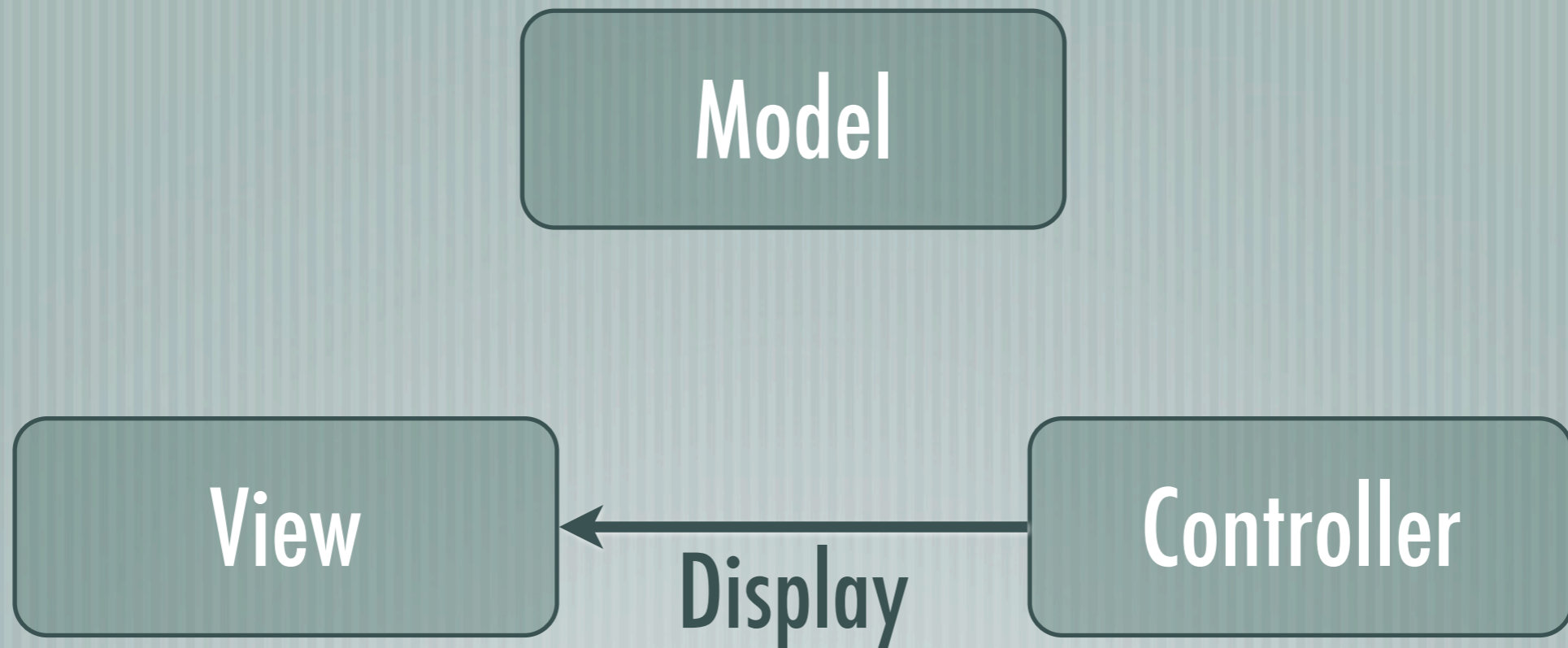
# MVC Illustrated



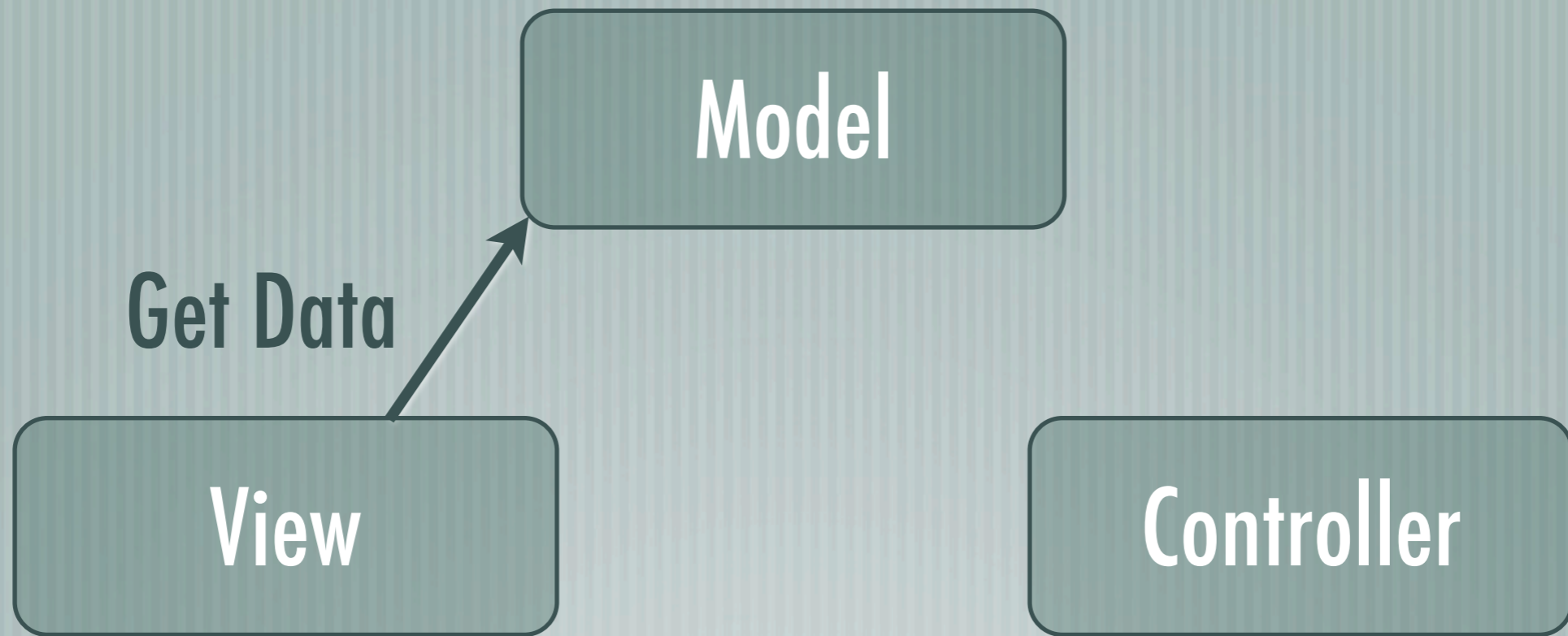
# MVC Illustrated



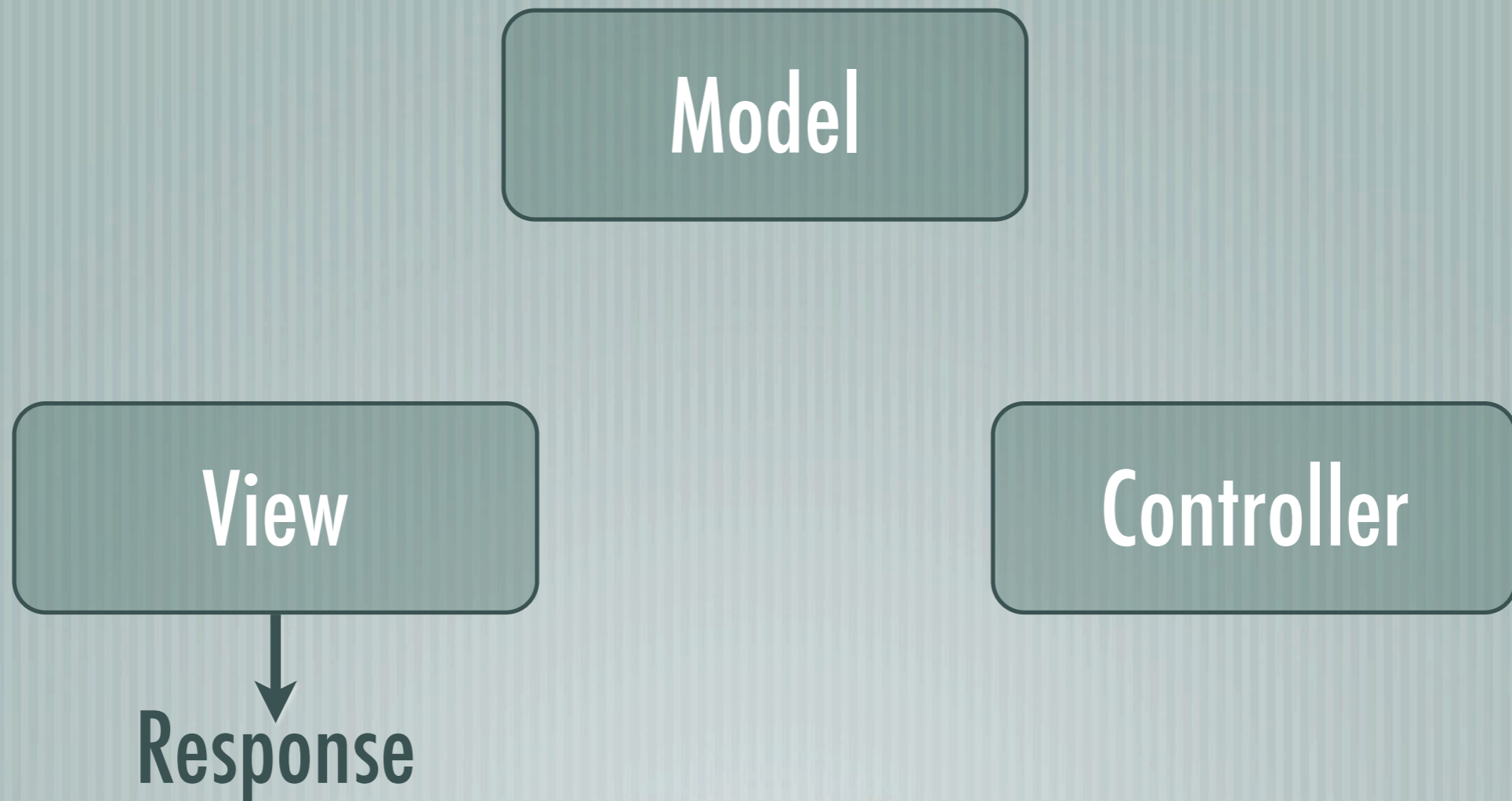
# MVC Illustrated



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# Single Responsibility Principal

# How ASP.NET MVC Works

— [ Routes define how requests are dispatched

— [ Controller is a class; action is the method that's executed

— [ By default, views are .aspx files without code-behind



# Demo

# Resources

# MVC Futures

<http://aspnet.codeplex.com/>

— [ “Missing” HTML helpers (button, image, mailto)

— [ Expression-based HTML helpers

— [ Asynchronous controllers

— [ Model binders (byte array, LINQ to SQL binary, upload)

— [ Controller attributes (AcceptAjax, ContentType, RequireSsl)

— [ MVC server controls (with designer support)

# MVC Contrib

<http://mvccontrib.codeplex.com/>

— [ Dependency Injection Controller Factories

— Castle Windsor, Ninject, Unity, Spring.net, StructureMap

— [ Alternate View Engines

— Spark, Brail, NVelocity, XSL-T

— [ Sub-Controllers, Convention Controller

— [ Fluent HTML Helpers

— [ Snippets for Visual Studio & Resharper

# <http://www.asp.net/mvc>

— [ Downloads

— [ Online documentation

— [ Step-by-step tutorials

— [ Instructional videos

— [ Site design gallery

— [ Discussion forums

# Blogs

— [ Scott Guthrie <http://weblogs.asp.net/scottgu/>

— [ Phil Haack <http://haacked.com/>

— [ Rob Conery <http://blog.wekeroad.com/>

— [ Scott Hanselman <http://www.hanselman.com/>

— [ Me! :) <http://bradwilson.typepad.com/>