

# MVC

# What is MVC?

A design pattern for applications using a large data set. (PARC circa 1970s)

Not unique to Microsoft.

# MVC Goals

Maintain separation of data (Model), presentation (View), and logic (Controller).

Should lead to code that is easier for teams to develop and maintain.

# Model

A wrapper on the data.

ASP Implementation: One .NET (C#) class per logical entity in the data set.

Usually backed by an RDBMS with one object per table using the Entity framework and LINQ.

# View

Razor code that displays data from one or more model classes.

Should contain no 'business logic', any code should relate to how the data is displayed.

# Controller

.NET code to control the application.

Usually C#

Processes HTTP get and post requests by instantiating model objects and passing them to a view to be rendered.

The runtime routes request to controller methods.