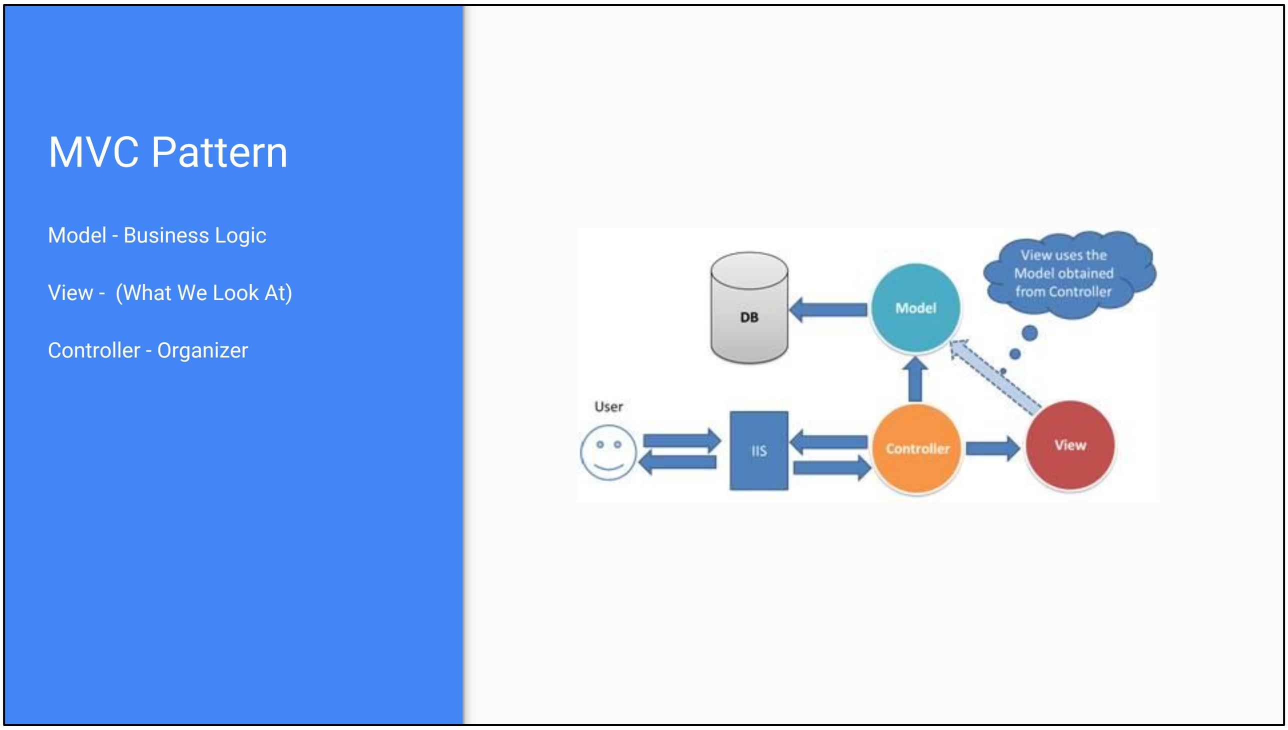
Overview Of MVC Pattern

So talk about MVC. MVC what callded is a desing pattern. Design pattern is basically a pattern of architectural logic is repedable in some abstract way. It servers for three purposes. Servs as a tool for learning, tool for communication, and also tool for organisation as well.

If you are a programmer and working on new language, may be you are first working on object oriented language or may be you have not look enough with object oriented features, design patterns offer a way to describe in an abstract way. How to construct your classes and objects for to do something.

ASP.NET MCV is communicating in MVC pattern. There are a lof of frameworks communication in MVC pattern. It s very common pattern in web development and application development. It is actually invented many many years before coming popular in the web world.



MVC Pattern

Model - Business Logic

View - (What We Look At)

Controller - Organizer

MVC stands for model, view, controller. MVC is an architectural pattern. Architectural pattern it basically describes where you put your code and it also describes when you put the code in some where, desribes what the puspose of code should be. It also put contstraints on what classes can do what.

So talk about these 3 categories. 3 big buckets.

Model
View
Controller

Your model is the business logic. Model is the code that is responsible for performing actions that your application needs to perform. If your are developing an online strore you may have products, orders and transactions all these objects put into the model.

The view, how your UI widgets get presented to the user. As we all know, we actually need a part of logic to handle things like buttons, forms and web pages. Because we need some much logic to perform this actions, it is useful to seperate that into this little bucket view. So all your code that will handle the UI action will be in view. For example the dialog window that appear in work if you git the spell check button will be inside the view. Whereas the logic actually checks your spelling is in the model.

If you follow the rules of the pattern, your code will be clean and seperated.

Controller is typically invoked by some external sources. When it is invoked by external source, it is going to coordinate between the model and the view. In ASP.NEt MVC controller is goint to comminucate with the model. Model turns data to the controller. And controller pass the model data to the view. And view present the data.

It is important to understand that, just because we use MVC in this level, It does not mean we can’t apply other patterns inside one of these buckets. Your model might me implemented using DDD (Domain Driven Design). Or your model may be use CQRS. Your model can use your own architectural design pattern.

Same as the view. In the view we might use Angular JS. Angular JS is a javascript framework that google makes. Angular JS creates a new pattern. Model View Whatever. Your view might have your own things inside of it.