ASP.NET Web Forms and MVC are two web frameworks developed by Microsoft. ASP.NET MVC is not replacing ASP.NET WebForms. Both these development models exist and can be used to develop ASP.NET applications

But it is very much essential to understand the different between these two

**What are the main Advantage of ASP.NET MVC over ASP.NET**

**Advantages of MVC**

1) **Faster development process:** MVC supports rapid and parallel development. With MVC, one programmer can work on the view while other can work on the controller to create business logic of the web application. The application developed using MVC can be three times faster than application developed using other development patterns.

2) **Ability to provide multiple views:** In the MVC Model, you can create multiple views for a model. Code duplication is very limited in MVC because it separates data and business logic from the display.

3) **Support for asynchronous technique:** MVC also supports asynchronous technique, which helps developers to develop an application that loads very fast.

4) **Modification does not affect the entire model:** Modification does not affect the entire model because model part does not depend on the views part. Therefore, any changes in the Model will not affect the entire architecture.

5) **MVC model returns the data without formatting:** MVC pattern returns data without applying any formatting so the same components can be used and called for use with any interface.

6) **SEO friendly Development platform**: Using this platform, it is very easy to develop SEO-friendly URLs to generate more visits from a specific application.

7) **Provides clean separation of concerns(SoC).**

**8)** **Easy integration with JavaScript frameworks**.

9) **Enables the full control over the rendered HTML.**

10) **No ViewState and PostBack events**

**11) MVC provides better [TDD] Test Driven Development this approach is better for software testing**

**Test-driven development** (**TDD**) is a [software development process](https://en.wikipedia.org/wiki/Software_development_process) that relies on the repetition of a very short development cycle: requirements are turned into very specific [test cases](https://en.wikipedia.org/wiki/Test_case), then the software is improved to pass the new tests, only. This is opposed to software development that allows software to be added that is not proven to meet requirements.

**Disadvantages of MVC**

f1) Increased complexitys\

2) Inefficiency of data access in view

3) Difficulty of using MVC with modern user interface.

4) Need multiple programmers

5) Knowledge on multiple technologies is required.

6) Developer have knowledge of client side code and html code.

**Difference Between ASP.NET Web forms and ASP.NET MVC**

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| --- | --- |
| ASP.NET Web Forms | ASP.NET MVC |
| ASP.NET web forms have the server controls | Asp.net mvc has html controls and html helpers |
| No separation of concern every page has its own controller so they are tightly coupled | Very clean Separation of concern approach is there |
| * Asp.Net Web Form has Master Pages for consistent look and feels. | * Asp.Net MVC has Layouts for consistent look and feels. |
| * In Asp.Net Web Form, views are tightly coupled to Code behind(ASPX.CS) | * In Asp.Net MVC, Views and logic are kept separately. |
| * Asp.Net Web Form has built-in data controls and best for rapid development with powerful data access. | * Asp.net MVC provides the light weighted code it follow the latest web standards for developing the web pages |
| * Asp.Net Web Form has state management (like as view state, session) techniques. | * Asp.Net MVC has no automatic state management techniques. |
| ASP.NET web forms use page controller pattern approach in this approach every page has its own controller i.e code behind file the process the request | * In MVC multiple views can be created under on controller this approach is called * Front Controller approach |
| * ASP.NET has view state | * MVC doest not as view state |
| * In Asp.net we can see the layout of page parallel without running the page | * But its not possible without running the page we cannot the exact display of page |