

In this Lecture we will

- Take a look at the Big picture ... The Evolution of Web Development
 - Basic HTML
 - HTML Forms ... introduction of tags for textboxes and buttons
 - Server Side (PHP ... Hypertext Preprocessor /ASP.NET ... stands for Active Server Pages)
 - Client Side Programming (Javascript)
 - Static vs Dynamic Content
 - Static Content
 - Typically HTML (.htm) files return the same thing each time requested
 - Updates to content require updating the html file
 - Dynamic content
 - ASP.NET Web Forms (.aspx) can contain dynamically generated content
 - No need to update .aspx files for new content
 - all code runs on the web server the final result is sent back to the client as ordinary HTML

Content typically drawn from other sources like a database

- Learn what does ASP.NET do for us?
 - ASP.NET is the Microsoft platform for developing Web Applications. ASP.NET is part of the larger Microsoft .NET framework. C#, is another component.
 - It allows us to create dynamic websites using server web controls and applications.
 - Dynamic websites allow users to query databases in real time rather than loading static pages on each interaction
 - Using ASP.NET you can create e-commerce sites (like Amazon.com) , data driven portals and just about anything else you can find on the internet.
- Learn there are a number of flavors of ASP.NET, for example, Web Forms (Web Sites and Web Applications), Model-View-Controller (MVC) and the newest one Core. This course is aimed at anyone who wants to create dynamic websites with ASP.NET Web Forms. Best of all, you don't need to paste together a jumble of HTML and Script code. Instead you can create full scale web apps using nothing but code (C#) and a design tool like Visual Studio.

MVC(Model View Controller) and Core offer different ways to build dynamic web pages. To some MVC and Core are cleaner and more suited to the web. To others it's a whole lot of extra effort with no clear payoff. Either way, you need a strong knowledge of basic ASP.NET before moving onto the newer technologies.