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Module 1 - Performance Task  ASP.Net (AP 3)

1. Explain briefly the ASP.Net technology.

ASP.Net is part of Microsoft .Net framework, ASP.Net technology is a server side technology for web development, it is an open source web framework for developing websites, web application, and web services. ASP.Net application can access all libraries and classes which is used in developing websites it also provides fantastic integration of HTML, CSS , and JavaScript. ASP.Net applications comes with built in features in server side control such as buttons, textboxes, labels and such. It also offers multiple language to build a web application in ASP.Net such as C#, Visual Basic, C++, and J#.

2. Discuss each the development styles of ASP.Net for creating web applications.

ASP.Net have 3 styles for creating web applications those are:

* Web Forms – an event driven development framework that is used to develop application with powerful data access. In order for it to create web application, Web forms provides a server side controls and events which is part of the ASP.Net framework.
  + We can use Web forms if we have the knowledge in Win Forms, WPF, and .Net, a rapid development because it has rich library of controls that encapsulate HTML markup.
* ASP.Net MVC – MVC stands for Model View Controller this used pattern-based way to build dynamic websites, it is no longer in active development. It also gives you full control over markup and a clean separation of concerns for enjoyable, agile development. Also provides many features that enable fast development for creating outstanding applications.
  + The skills that we need to used in ASP.Net MVC are Ruby on Rails (ROR), and .NET. MVC has full control over HTML Markup, code and markup separated, and easy to write test. The best choice for mobile and single-page applications (SPA).
* ASP.Net Web Pages – Used in creating dynamic web pages also provides fast and lightweight way to combine the server code in HTML which helps to add video ,link to the social sites and other features that you can use to create wonderful sites that can be used in latest web standards. Because of its stable and well equipped frameworks it can create web applications based from the .NET framework and share core functionalities of .NET and ASP.NET.
  + Skills that need to learn are Classic ASP, PHP. HTML markup and your code together in the same file.