**Module = 5**

**1.Explain Areas in MVC?**

Ans: A MVC Application can contain several MVC structures (areas). Areas are the small functional units with its own set of Model, View and Controller MVC Application can have any number of areas. Each area has its own controllers, models and views. Areas are put under separate folders called areas.

**2. Explain Render Section in MVC?**

Ans: Render Section (String) In layout pages, renders the content of the section named name. Render Section (String, Boolean) In layout pages, renders the content of the section named name.

**3. Which assembly is the MVC framework is defined?**

Ans: The MVC framework is defined through System.Web. Mvc assembly. This is because this is the only assembly which contains classes and interfaces that support the ASP.NET Model View Controller (MVC) framework for creating Web application.

**5.What is difference between JavaScript and jQuery?**

Ans:

|  |  |
| --- | --- |
| JavaScript | jQuery |
| JavaScript is a programming language. | jQuery is an Application Programming Interface (API). |
| We can make animations in JavaScript with many lines of code. Animations are mainly done by manipulating the style of an Html page. | jQuery, we can add animation effects easily with fewer lines of code. |
| JavaScript is a language, obviously, it would be heavier than jQuery. | While jQuery is a library, derived from JavaScript hence, it is lightweight. |

**6. What is LINQ?**

Ans: Language Integrated Query proposes a compact significant and understandable syntax for operating data. Language Integrated Query is a Microsoft programming tactic and model which effectively includes formal query abilities into Microsoft .NET programming languages. It has a need for the presence of particular language extensions.

**7. What is difference between LINQ and Entity Framework.?**

Ans : Short for Language Integrated Query, LINQ is set of classes added to the .NET Framework 3.5 along with language enhancements added to C# 3.0 and Visual Basic 9, the versions of the language that ship with Visual Studio 2008. LINQ adds a rich, standardized query syntax as a first-class citizen in .NET programming languages that allows developers to interact with any type of data.

Entity Framework (EF) is an object-relational mapper that enables .NET developers to work with relational data using domain-specific objects. It eliminates the need for most of the data-access code that developers usually need to write. Get it Add this to your project and start taking advantage of this powerful O/RM.

**9. What is Data Annotation Validator Attributes in MVC?**

Ans : Data annotation attributes are attached to the properties of the model class and enforce some validation criteria. They are capable of performing validation on the server side as well as on the client side. This article discusses the basics of using these attributes in an ASP.NET MVC application.

**10. What are AJAX Helpers in MVC?**

Ans :AJAX Helpers are used to create AJAX enabled elements like as Ajax enabled forms and links which performs request asynchronously. AJAX Helpers are extension methods of AJAX Helper class which exist in System. Web. Mvc namespace.

**13. What are required attributes for Ajax call?**

Ans :The parameters specifies one or more name/value pairs for the AJAX request. The data type expected of the server response. A function to run if the request fails. A Boolean value specifying whether a request is only successful if the response has changed since the last request.

**15. What is JsonResulttype in MVC?**

Ans : JsonResult is one of the type of MVC action result type which returns the data back to the view or the browser in the formJof JSON (JavaScript Object notation format).

**16. What is the meaning of Unobtrusive JavaScript?**

Ans : Unobtrusive JavaScript is a general term that conveys a general set of guidelines or margins to the term REST. REST is nothing but the Representational State Transfer. We can explain Unobtrusive JavaScript as- it is not your particular JavaScript code that you generally use in your markup page.

**17. What are the sub types of ActionResult?**

Ans :**ViewResult** - Renders a specified view to the response stream

**PartialViewResul**t - Renders a specified partial view to the response stream

**EmptyResult** - An empty response is returned Module-5 MVC 13

**RedirectResult** - Performs an HTTP redirection to a specified URL

**RedirectToRouteResult** - Performs an HTTP redirection to a URL that is determined by the routing engine, based on given route data.

**JsonResult** - Serializes a given ViewData object to JSON format

**JavaScriptResult** - Returns a piece of JavaScript code that can be executed on the client

**ContentResult** - Writes content to the response stream without requiring a view

**FileContentResult** - Returns a file to the client

**FileStreamResult** - Returns a file to the client, which is provided by a Stream

**FilePathResult** - Returns a file to the client.

**21. Different way to return view in MVC?**

Ans : return View()

return RedirectToAction()

return Redirect ()

return RedirectToRoute()