

ASP.Net MVC S2

Day1

Q. Which of the following statement is true about MVC pattern?

- 1). Easier to manage complexity
- 2). It does not uses sever forms and ViewState.
- 3). Better support for test driven development.
- 4). High degree of control application behavior.
- 5). **All of the above.**

Q. Which of the following view file types are supported in MVC?

- 1). .cshtml
- 2). .aspx
- 3). .vbhtml
- 4). **All of the above**

Q. _____ objects are the parts of the application that implement the domain logic.

- 1). View
- 2). Controller
- 3). **Model**
- 4). Entity

Q. Which of following statements are true with respect to controllers?

- 1). The controller redirects incoming request to model
- 2). **The controller executes an incoming request**
- 3). The controller controls the data
- 4). The controller render html to view

Q. Which of the following statements are false about MVC in .NET?

- 1). MVC helps in Separation of Concerns, by splitting the logic
- 2). MVC helps in Automated UI Testing
- 3). **ASPX is the only one Kind of ViewEngine supported by MVC**
- 4). **MVC is not Suitable for desktop application**

Q. MVC stands for:

- 1). Model-Version-Connector
- 2). Model-Version-Controller
- 3). Manage-View-Controller
- 4). **Model-View-Controller**

5). Manage-Version-Controller

Q.The _____ helps you to create applications that separate the different aspects of the application (input logic, business logic, and UI logic), while providing a loose coupling between these elements.

- 1). **MVC pattern**
- 2). Façade Pattern
- 3). Singleton Pattern
- 4). Factory Pattern

Q. Whether this Code snippet works or not ?

```
public ActionResult MyView()  
{  
    ViewBag.Message = "Welcome To the World of MVC";  
    return View("/View/Demo/MyView.cshtml");  
}
```

- 1). **It will work fine**
- 2). It will compile, but will raise an exception
- 3). Compile time error

Q. Order of ASP.NET MVC Page Life Cycle?

- 1). App init --> Routing --> Init Controller --> Locate Controller --> View
- 2). **Routing --> App init --> Init Controller --> Locate Controller --> View**
- 3). Init Controller--> Locate Controller--> Routing --> App init --> View
- 4). Locate Controller --> Init Controller-->Routing--> App init -->View

Q. Which of the following route definition is valid?

- 1). **{Controller}/{action}/{id}**
- 2). {action}/{Controller}/{id}
- 3). {action}/{id}
- 4). {action}

Day2

Q. In ASP.NET MVC filters runs in the following order :

- 1). ActionFilter --> ResponseFilter --> AuthorizationFilter --> ExceptionFilter
- 2). AuthorizationFilter --> ResponseFilter --> ActionFilter --> ExceptionFilter
- 3). AuthorizationFilter --> ExceptionFilter --> ActionFilter --> ResponseFilter
- 4). **AuthorizationFilter --> ActionFilter --> ResponseFilter --> ExceptionFilter**

Q. You are designing a MVC application. The application must store secure information that is specific for an individual user. The data must be automatically removed when the user logs off. You need to save transient information in a secure data store. Which data store should be used?

- 1). Session state
- 2). **Database storage**
- 3). Profile properties
- 4). Application state

Q. Which of the following will be used in ASP.NET MVC if we want to navigate from one view to another view?

- 1). TransferLink
- 2). **ActionLink**
- 3). NavigateLink
- 4). RedirectLink

Q. Which of the following is valid way to implement Data validation in MVC?

- 1). Validation Helpers
- 2). IDataErrorInfo
- 3). Client Side validation
- 4). Data Annotations
- 5). **All of the above**

Q. How comment is provided in Razor?

- 1). *@ Demo Comment *@
- 2). **@* Demo Comment *@**
- 3). @* DemoComment @*
- 4). *@ Demo Comment @*

Q. Where the Routes are registered in ASP.NET MVC?

- 1). Controller
- 2). Web.config
- 3). **Global.asax**
- 4). None of these

Q. What is strongly typed view in MVC?

- 1). **View created with Model class**
- 2). View having same name as class
- 3). View created with Strong keyword
- 4). View created with controller class

Q. What is ActionResult?

- 1). **It is an abstract class**
- 2). It is a concrete class
- 3). Both A and B
- 4). Neither A nor B

Q. You are developing an ASP.Net MVC application for Sterling Corporation. In this application you want to transfer data from EmployeeController to SearchEmployee view. Which of the following you will use to achieve the same?

- 1). Using model object
- 2). Using ViewBag
- 3). Using ViewData
- 4). **All of the above**

Q. TempData is useful for _____.

- 1). Transferring data from view to controller
- 2). **Transferring data from one view to another view**
- 3). Transferring data from controller to controller
- 4). Storing data permanently

Day3

Q. If Razor View Engine need to add jQuery function and contain @ special character then how we can write it in Razor View?

- 1). No need to do anything
- 2). **Replace @ to @@ (double)**
- 3). Replace @ to \@ (double)
- 4). Replace @ to #@ (double)

Q. You are creating an ASP.NET MVC Web application which contains the following controller class.

```
public class CartController : Controller
{
    static List products = new List();
    public ActionResult Index()
    { return View(); }
}
```

In the Views folder of your application, you have added a view page named Index.aspx that includes the following @ Page directive.

```
<%@ Page Inherits="System.Web.Mvc.ViewPage" %>
```

You have tested the application with a browser.

You received the following error message when the Index method is invoked:

"The view 'Index' or its master was not found."

You need to resolve the error so that the new view is displayed when the Index method is invoked.

What should you do?

- 1). **Create a folder named Cart inside the Views folder. Move Index.aspx to the Cart folder**
- 2). Modify the Index method by changing its signature to the following: public ActionResult Index (Cart myCart)
- 3). Change the name of Index.aspx file to Cart.aspx
- 4). None of above

Q. Which Namespace is used for Razor View Engine ?

- 1). **System.Web.Razor**
- 2). System.Web.MvcRazor
- 3). System.Web.Mvc.WebFormViewEngine
- 4). System.Web.Mvc.Razor

Q. You are developing an ASP.NET MVC application. A view contains a form that allows users to submit their first name. You need to display the value that is submitted, and you must ensure that your code avoids cross site scripting. Which code segment should you use?

- 1). <% Response.Write(HttpUtility.HtmlDecode(Model.FirstName)) %>
- 2). **<%= Model.FirstName %>**
- 3). <%= Model.FirstName %>
- 4). <%@ Model.FirstName %>

Q. You are writing an action method called AddProduct inside the Product controller. The logic in your code indicates that you need to call the Cart controller's Add method as a result of your controller's action method. Which line of code would accomplish this?

- 1). return Content("Cart.Add")
- 2). Response.Redirect("Cart.aspx?Add")
- 3). **return Redirect("Cart/Add")**
- 4). return View("Cart.Add")

Q. Which of the following is true about ViewStart in ASP.NET MVC?

- 1). Viewstart is used to define layout of the application
- 2). Viewstart is used like Masterpage in traditional forms (ASP.Net pages).
- 3). **Viewstart defines the first view to render.**
- 4). All of the above

Q. Which of the following will be used by Razor View Engine to render server side content?

- 1). #@
- 2). <%= %>
- 3). @
- 4). #

Q. Which of the following are valid type of ActionResult in ASP.NET MVC?

- 1). **ContentResult**
- 2). **FileResult**
- 3). **XMLResult**
- 4). JsonResult

Q. Which filter will be executed first, in ASP.NET MVC application?

- 1). Action filters
- 2). **Authorization filters**
- 3). Response filters
- 4). Exception filters

Q. Alok is developing an ASP.NET MVC application. In this application he wants to set Default Value to Hidden Input Box present on the UI page. Which code helps him to do the same.

- 1). @Html.HiddenFor(m => m.Name, "Alok")
- 2). @Html.Hidden(m => m.Name, new { Value = "Alok"})
- 3). **@Html.HiddenFor(m => m.Name, new { Value = "Alok"})**
- 4). @Html.Hidden(m => m.Name, "Alok")

S1 Day1

Q. _____ is a method that returns a string having HTML or plain text and can be used in our Views.

- 1). Action Method
- 2). Default Method
- 3). **HTML Helper**
- 4). String Helper

Q. _____ contains the code to retrieve and manipulate the data stored in the database and to enforce domain specific business logic.

- 1). **Model**
- 2). View
- 3). Controller

4). Routing Engine

Q. State true or false:

- 1) A Route defines a URL pattern and a handler to use if the request matches the pattern.
- 2) ActionResult object returned by an action method in a controller class can be a plain text (Content Result),
a File(FileContentResult), a data in JSON format(JsonResult), View (ViewResult) etc.
- 3) ActionFilter helps routing engine to select the correct action method to handle a particular request.

4) ActionSelector allow you to execute the filtering logic either before or after an action method is called.

- 1). 1- False
- 2- False
- 3- True
- 4- True

- 2). **1- True**
- 2- True**
- 3- False**
- 4- False**

- 3). 1-True
- 2- False
- 3- True
- 4- False

- 4). 1- False
- 2- True
- 3- False
- 4- True

Q. Identify the code snippet to return a plain text from a controller action.

1). **public ActionResult Index()**
{
return Content ("Hello from ASP.NET MVC");
}

2). public ActionResult Index()
{
 return File ("web.config", "text/html");
}

3). public ActionResult Index()
{
 return RedirectToAction ("Display", "Training");
}

4). public ActionResult Index()
{
 return File ("Hello from ASP.NET MVC");
}

Q. _____ are logical grouping of Controller, Model and Views and other related folders for a module in MVC applications.

- 1). Routes
- 2). HTML Helpers
- 3). Partial Views
- 4). **Areas**

Q. Razor view engine file can contain _____ and _____ code.

- 1). C & C#
- 2). **C# & HTML**
- 3). C & HTML
- 4). C++ and HTML

Q. ASP.NET MVC 5 supports new type of routing , called attribute routing.
_____ method is called to enable attribute routing.

- 1). MapAttributeRoutes()
- 2). IgnoreRoute()
- 3). **MapMvcAttributeRoutes()**
- 4). RegisterRoutes()

Q. Identify the objects that will be used in the following scenarios:

- 1) To pass the data from controller to corresponding view without typecasting.
- 2) To store the data in key value pairs and pass the data from controller to corresponding view with typecasting.
- 3) To pass the data from current request to subsequent request.

- 1). 1- ViewData
- 2- TempData
- 3- ViewBag

- 2). **1- ViewBag**
- 2- ViewData**
- 3- TempData**

- 3). 1- ViewData
- 2- ViewBag
- 3- TempData

- 4). 1- Message
- 2- RedirectToAction
- 3- Route

Q. The following code has been written in the Model:

```
public class Guest
{
    [Required(ErrorMessage = "ID is Required")]
    [RegularExpression(@"^\d{3}$", ErrorMessage = "Only Three Digits allowed")]
    public int GuestNo { get; set; }
    [Required(ErrorMessage = "Name is Required")]
    public string GuestName { get; set; }
    [Required(ErrorMessage = "PhoneNumber is Required")]
    [StringLength(10, ErrorMessage = "Only 10 Characters Allowed")]
    public string PhoneNumber { get; set; }
}
```

```
public class GuestService
{
    private static List<Guest> guestList = null;

    static GuestService()
    {
        guestList = new List<Guest>();
        guestList.Add(new Guest { GuestNo = 101, GuestName = "Manoj Joshi", PhoneNumber = "9
988776655" });
        guestList.Add(new Guest { GuestNo = 102, GuestName = "Supratim Agrawal", PhoneNumbe
r = "9878531028" });
        guestList.Add(new Guest { GuestNo = 103, GuestName = "Abhay Shah", PhoneNumber = "9
183476532" });
        guestList.Add(new Guest { GuestNo = 104, GuestName = "Jyoti Gupta", PhoneNumber = "97
86543210" });
    }
}
```

Identify the code snippet to be added to the GuestService class to edit the Guest information.

1). public Guest UpdateGuest(Guest updateGuest)

```
{
    Guest guest = guestList.Check(g => g.GuestNo == updateGuest.GuestNo);
    guest.GuestName = updateGuest.GuestName;
    guest.PhoneNumber = updateGuest.PhoneNumber;
    return guest;
}
```

2). public Guest UpdateGuest(Guest updateGuest)

```
{
    Guest guest = guestList.Search(g => g.GuestNo == updateGuest.GuestNo);
    guest.GuestName = updateGuest.GuestName;
    guest.PhoneNumber = updateGuest.PhoneNumber;
    return guest;
}
```

```
}
```

```
3). public Guest UpdateGuest(Guest updateGuest)
{
    Guest guest = guestList.First(g => g.GuestNo == updateGuest.GuestNo);
    guest.GuestName = updateGuest.GuestName;
    guest.PhoneNumber = updateGuest.PhoneNumber;
    return guest;
}
```

```
4). public Guest UpdateGuest(Guest updateGuest)
{
    Guest guest = guestList.Retrieve(g => g.GuestNo == updateGuest.GuestNo);
    guest.GuestName = updateGuest.GuestName;
    guest.PhoneNumber = updateGuest.PhoneNumber;
    return guest;
}
```

Q. Which of the following statements are true about the controller?

- 1). **In ASP.NET MVC application, the controller handles the user request.**
- 2). **Controller responds to user input, talks to the Model, and it decides which view to render (if any).**
- 3). Controller is the Data Access Layer of ASP.NET MVC application.
- 4). Controller represents the user interface of ASP.NET MVC application

Day2

Q. EDM is an _____ layer on top of the data storage.

- 1). Presentation
- 2). Database
- 3). **Abstraction**
- 4). Logic

Q. The layers of Entity Framework are defined in _____ Format.

- 1). XHTML
- 2). **XML**
- 3). HTML
- 4). C#

Q. Which of the following are the three parts of Entity Data Model?

- 1). DBL
- 2). **SSDL**
- 3). **CSDL**
- 4). **MSL**

Q. Which of the following data annotation are not available in Asp.Net MVC?

- 1). **Mandate**
- 2). Required
- 3). Range
- 4). **Length**
- 5). **Check**

Q. In the Following code to change the display name of EmpName to "Employee Name" which code snippet will you use?

```
class Employee
{
    public int EmpId {get;set;}
    public string EmpName {get;set;}
    public int Age {get;set;}
}
```

- 1). [Display("Employee Name")]
- 2). **[DisplayName("Employee Name")]**
- 3). [DisplayName(Employee Name)]
- 4). [Name("Employee Name")]

Q. Which of the following data types can be binded using model binder?

- 1). **Objects**
- 2). **Array and Collection**
- 3). **Primitive Types**
- 4). Derived Types

Q. Which of the following are the entity framework approaches?

- 1). **Model First**
- 2). Logic First
- 3). **Database First**
- 4). **Code First**

Q. _____ maps the the HTTP request data to Action method paramater and .Net Objects.

- 1). Argument Binding
- 2). Object Binding
- 3). **Model Binding**
- 4). Data Binding

Q. Data Annotation classes are present in the _____ Namespace.

- 1). System.DataAnnotations
- 2). System.Model.DataAnnotations
- 3). System.DataModel.DataAnnotations
- 4). **System.ComponentModel.DataAnnotations**

Q. _____ class provides capability for querying and working with entity data as objects.

- 1). **DbContext**
- 2). DataContext
- 3). DB_Context
- 4). None of the above

Day3

Q.Refer the below code snippet and identify the data type \$.get('GetContents.html',function(data){
\$('#targetDiv').html(data);
},_____);

- 1). **html**
- 2). **json**
- 3). string
- 4). object

Q. Following are the features of Ajax_____.

- 1). **Component Oriented**
- 2). Plugins
- 3). Selectors
- 4). **WCF Support**

Q.If request to Action Method is asynchronous request we can return a partial view which results in u
pdating

a portion of the screen by checking _____ method inside the Controller.

- 1). Request.AjaxRequest()

2). **Request.IsAjaxRequest()**

3). Response.AjaxRequest()

4). Response.IsAjaxRequest()

Q. _____ Loads, and executes, a local JavaScript file using an HTTP GET request.

1). \$.load()

2). \$.get()

3). \$.getJSON()

4). **\$.getScript()**

Q. Identify the correct code snippet for Json Object:

```
1). var jsonObject = {  
  firstName:"Karthik", lastName:"Muthukrishnan",  
  "office":[  
    "company":"IGATE",  
    "city":"Bangalore"  
  ];  
  "Hobbies":["Programming","Music"]  
}
```

```
2). var jsonObject = {  
  firstName:"Karthik", lastName:"Muthukrishnan",  
  "office":{  
    "company":"IGATE",  
    "city":"Bangalore"  
  },  
  "Hobbies":["Programming","Music"]  
}
```

```
3). var jsonObject = {  
  firstName:"Karthik", lastName:"Muthukrishnan",  
  "office":{  
    "company":"IGATE",  
    "city":"Bangalore"  
  },  
  "Hobbies":{"Programming","Music"}  
}
```

```
4). var jsonObject = {  
  firstName:"Karthik", lastName:"Muthukrishnan",  
  "office":{  
    "company":"IGATE";  
    "city":"Bangalore"  
  },  
  "Hobbies":["Programming","Music"]  
}
```

Q. What is Image Optimization?

- 1). Image "Optimization" mean that it reduces the quality of the image.
- 2). **Image Optimization will re-arrange the pixels and palettes to make the overall size smaller.**
- 3). Image optimization improves load time by reducing the number of requests to the server
- 4). Image optimization a means combining multiple images into a single image file for use on a web site,
to help with performance

Q. Refer the below statement and predict whether it is true/false:

Minification performs a variety of different code optimizations to scripts or css, such as removing unnecessary white space and comments and shortening variable names to one character.

- 1). **TRUE**
- 2). FALSE

Q. Identify the correct code snippet for \$.getJSON.

- 1). \$.getJSON(url,data,datatype)
- 2). \$.getJSON(url,data,callback,datatype)
- 3). \$.getJSON(url,callback)
- 4). **\$.getJSON(url,data,callback)**

Q. _____ method of jQuery loads a remote page using an HTTP request.

- 1). \$.load()
- 2). \$.get()
- 3). **\$.ajax()**
- 4). \$.post()

Q.Refer the below code snippet and identify the different InsertionMode options @Ajax.ActionLink
("Click here to see the LOT options", "Search",new AjaxOptions{UpdateTargetId = "chkoptions",
InsertionMode=InsertionMode._____,
HttpMethod="GET"})

- 1). **Replace**
- 2). InsertBetween
- 3). **InsertAfter**
- 4). **InsertBefore**