1.what is model?

Ans.it represents the application data domain.in other words applications business logic is contained within the model and is responsible for maintaining data.

2.what is routing in MVC?

Ans.routing is a mechanism in MVC that decides which action method of a controller class to execute.without routing there is no way an action method can be mapped,to a request. Routing is a part of the MVC architecture so.net mvc supports routing by default.

3.what is the difference between temp data,view,and view bag?

Ans.viewbag is dynamic property of controllerbase class. Tempdata is a dictionary object and it is property of controllerbase class.viewdata is faster than viewbag.viewbag is slower than viewdata.

4.what is difference between MVC and Web forms?

Ans.

ASP.NET MVC Web Forms

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| --- | --- |
| 1.MVC focuses on separation of concern,i.e.,there is no fixed code behind page for every view.a view can be called from multiple action. | 1.web form base on functions and page behind code , i.e. there is code behind a page for each view. You have to write code in that class related to this view only. |
| 2.First request comnes to controller and action, then view gets called. | 2.first request comes to page (view) then it will go to code behind the page. |
| 3.MVC provides HTML to create from controls.this is optional. You can use simple HTML controls also. | 3.for everything in web form , u have a server control. |
| 4.there is no viewstate for state management in view. | 4.view state is use to maintain state of form in view. this also makes page heavy. |
| 5.good for SEO friendly urls.no need to map to existing physical files. | 5.earlier , this feathers is not available in web form but now it is available although it is not that easy and it is optional. |
| 6.we create partial views for reusable views. | 6.we create user control for reusable view or control. |
| 7.it is very easy to use jquery and javascripts. Using CSS is also easy. | 7.it is a little difficult to use jquery and javascripts in web form. It provides themes and it is difficult to manage design of server control. |
| 8.maintaining id from controls are easy and you can fully control them when working with jquery. | 8.it is difficult to manage id of sever control , you do not know object id of server control most of the time . especially working with user control. |

There are many other differences related to architecture because mvc gets created from scratch. Although it is inherited from the same library system .web , it has all the functionalities which we have earlier.

5.what is session? What is the default time for session?

Ans. Specifies the number of minutes that a session can remain idle before the server terminates it automatically.the default 10 minutes.session.timeout has no hard-coded limit. Most web administrators set this property to 8 minutes.

6.what is partial view in MVC? With example?

Ans ,It is a common task in Web Applications to make use of the same code over and over again to display/render information and details for their domain objects. For example, an e-shop Web Application would probably render each product in the same way on all web pages.

7. What is the difference between View and Partial View?

Ans. Difference between View and Partial view A View when rendered produces a full HTML document, whereas a partial view when rendered produces a fragment of HTML . A partial view does not specify the layout.

8. Explain the concept of MVC Scaffolding?

Ans. Scaffolding is a code generation framework for ASP.NET Web applications. Visual Studio includes pre-installed code generators for MVC and Web API projects. You add scaffolding to your project when you want to quickly add the code that interacts with data models.

9. how to change time of session?

Ans. Select Default Web Site > Properties > Home Directory > Application Settings > Configuration > Options. 2. Enable the session state time-out and set the Session timeout for 60 minutes.

10. What is query string? What are disadvantages of query string? Ans A Query String is information sent to the server appended to the end of a page URL which means that Query String is way to transfer information from one page to another through the URL. Disadvantages: 1. There is a limit to URL length of 255 characters. 2. Query String data is directly visible to user thus leading to security problems.

11. What is cookie? What are limitations for cookie? Ans The cookies can not store complex information as they are limited to simple string information, Many limitations exist on the size of the cookie text, The individual cookie can contain a very limited amount of information (not more than 4 kb).

13. Explain MVC application life cycle.

Ans. Application life cycle generally means the time at which the process of the application begins to run. To denote the MVC application life cycle, the start and the end of the application are marked. The request life cycle The request life cycle means the series of events that happen whenever the application handles an HTTP request.

14. List out different return types of a controller action method.

Ans. The types of controller action methods –

1. ViewResult – It is used to renders a specified view to the response stream

2. PartialViewResult – It is used to renders a specified partial view to the response stream

3. EmptyResult - It is used to returns an empty response

4. RedirectResult - It is used to performs an HTTP redirection to a specified URL

5. RedirectToRouteResult - It is used to performs an HTTP redirection to a URL that is determined by the routing engine, based on given route data

6. JsonResult - It is used to serializes a given object to JSON format

7. JavaScriptResult - It is used to returns a piece of JavaScript code that can be executed on the client

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

9. FileContentResult - It is used to returns a file to the client

10. FileStreamResult - It is used to returns a file to the client, which is provided by a Stream

11. FilePathResult - It is used to returns a file to the client

15. What are filters in MVC?

Ans. Filters are used to execute custom logic before or after executing the action method

16. What are HTML helpers in MVC?

Ans. An HTML Helper in MVC is an extension method of the HTML Helper class which is used to generate HTML content in a view.

17. Differences between Razor and ASPX View Engine in MVC?

Ans. ASPX View Engine is the default view engine for the ASP.NET MVC that comes with ASP.NET MVC from the start (MVC 1.0) but Razor View Engine is introduced with MVC3 or latter version. In Razor View Engine we use Layouts and in ASPX View Engine we use masterPages. In Razor View Engine we use PartialPage and in ASPX View Engine we use WebUserControls.