a4academics
Your path to career success

ASP.Net MVC Interview questions and Answers

4 Votes

Top ASP.Net MVC Interview questions and answers for freshers and experienced dot net developers.

1) What is MVC?

MVC is a pattern which is used to split the application's implementation logic into three components: models, views, and controllers.

2) Can you explain Model, Controller and View in MVC?

- Model – It's a business entity and it is used to represent the application data.
- Controller – Request sent by the user always scatters through controller and it's responsibility is to redirect to the specific view using View() method.
- View – It's the presentation layer of MVC.

3) Explain the new features added in version 4 of MVC (MVC4)?

Following are features added newly –

- Mobile templates

- Added ASP.NET Web API template for creating REST based services.

- Asynchronous controller task support.

- Bundling the java scripts.

- Segregating the configs for MVC routing, Web API, Bundle etc.

4) Can you explain the page life cycle of MVC?

Below are the processed followed in the sequence -

- App initialization

- Routing

- Instantiate and execute controller

- Locate and invoke controller action

- Instantiate and render view.

5) What are the advantages of MVC over ASP.NET?

- Provides a clean separation of concerns among UI (Presentation layer), model (Transfer objects/Domain Objects/Entities) and Business Logic (Controller).

- Easy to UNIT Test.

- Improved reusability of model and views. We can have multiple views which can point to the same model and vice versa.

- Improved structuring of the code.

6) What is Separation of Concerns in ASP.NET MVC?

It's is the process of breaking the program into various distinct features which overlaps in functionality as little as possible. MVC pattern concerns on separating the content from presentation and data-processing from content.

7) What is Razor View Engine?

Razor is the first major update to render HTML in MVC 3. Razor was designed specifically for view engine syntax. Main focus of this would be to simplify and code-focused templating for HTML generation. Below is the sample of using Razor:

```
@model MvcMusicStore.Models.Customer
@{ViewBag.Title = "Get Customers";}
<div class="cust"> <h3><em>@Model.CustomerName</em> </h3>
```

8) What is the meaning of Unobtrusive JavaScript?

This is a general term that conveys a general philosophy, similar to the term REST (Representational State Transfer). Unobtrusive JavaScript doesn't intermix JavaScript code in your page markup.

Eg : Instead of using events like onclick and onsubmit, the unobtrusive JavaScript attaches to elements by their ID or class based on the HTML5 data- attributes.

9) What is the use of ViewModel in MVC?

ViewModel is a plain class with properties, which is used to bind it to strongly typed view. ViewModel can have the validation rules defined for its properties using data annotations.

10) What you mean by Routing in MVC?

Routing is a pattern matching mechanism of incoming requests to the URL patterns which are registered in route table. Class – "UrlRoutingModule" is used for the same process.

11) What are Actions in MVC?

Actions are the methods in Controller class which is responsible for returning the view or json data. Action will mainly have return type – "ActionResult" and it will be invoked from method – "InvokeAction()" called by controller.

12) What is Attribute Routing in MVC?

ASP.NET Web API supports this type routing. This is introduced in MVC5. In this type of routing, attributes are being used to define the routes. This type of routing gives more control over classic URI Routing. Attribute Routing can be defined at controller level or at Action level like –

[Route("{action = TestCategoryList}")] - Controller Level

[Route("customers/{TestCategoryId:int:min(10)}")] - Action Level

13) How to enable Attribute Routing?

Just add the method – "MapMvcAttributeRoutes()" to enable attribute routing as shown below

```
public static void RegistearRoutes(RouteCollection routes)

{

routes.IgnoareRoute("{resource}.axd/{*pathInfo}");


//enabling attribute routing

routes.MapMvcAttributeRoutes();

//convention-based routing

routes.MapRoute

(

name: "Default",

url: "{controller}/{action}/{id}",

defaults: new { controller = "Customer", action = "GetCustomerList", id =

UrlParameter.Optional }

);

}
```

14) Explain JSON Binding?

JavaScript Object Notation (JSON) binding support started from MVC3 onwards via the new JsonValueProviderFactory, which allows the action methods to accept and model-bind data in JSON format. This is useful in Ajax scenarios like client templates and data binding that need to post data back to the server.

15) Explain Dependency Resolution?

Dependency Resolver again has been introduced in MVC3 and it is greatly simplified the use of dependency injection in your applications. This turn to be easier and useful for decoupling the application components and making them easier to test and more configurable.

16) Explain Bundle.Config in MVC4?

"BundleConfig.cs" in MVC4 is used to register the bundles by the bundling and minification system. Many bundles are added by default including jQuery libraries like - jquery.validate, Modernizr, and default CSS references.

17) How route table has been created in ASP.NET MVC?

Method – "RegisterRoutes()" is used for registering the routes which will be added in "Application_Start()" method of global.asax file, which is fired when the application is loaded or started.

18) Which are the important namespaces used in MVC?

Below are the important namespaces used in MVC -

System.Web.Mvc

System.Web.Mvc.Ajax

System.Web.Mvc.Html

System.Web.Mvc.Async

19) What is ViewData?

Viewdata contains the key, value pairs as dictionary and this is derived from class – "ViewDataDictionary". In action method we are setting the value for viewdata and in view the value will be fetched by typecasting.

20) What is the difference between ViewBag and ViewData in MVC?

ViewBag is a wrapper around ViewData, which allows to create dynamic properties. Advantage of viewbag over viewdata will be –

- In ViewBag no need to typecast the objects as in ViewData.
- ViewBag will take advantage of dynamic keyword which is introduced in version 4.0. But before using ViewBag we have to keep in mind that ViewBag is slower than ViewData.

Online B.Sc.(IT) Degree

Complete your Graduation flexibly. Study Anytime, Anywhere. Apply Now!

○ ○

Page 1 of 4

You are here: Home   >   Interview Questions   >   Dot Net Interview Questions and Answers   >   ASP.Net MVC Interview questions and Answers

► Interview Questions PDF
► Questions and Answers
► Dot Net

Popular Posts

HR Interview Questions and Answers

Database and SQL Interview Questions and Answers for Freshers, Experienced

SQL Query Interview Questions and Answers with Examples

Java Interview Questions and Answers

Careers Choices and Job Opportunities for Electronics and Communication Engineers

Search our Site

Enter Search Term

Related Articles

Top 100 C# Interview Questions and Answers

.Net Framework Interview Questions and Answers

ADO.Net Interview Questions and Answers for Freshers, Experienced

ASP.Net Interview Questions and Answers

WCF Interview Questions and Answers

ASP.Net Web API Interview Questions

Top 80 + SQL Query Interview Questions and Answers with Examples

Database/SQL Interview Questions and Answers for Freshers, Experienced

Oracle Interview Questions and Answers on SQL Queries and Database Theory

Advanced SQL Interview Questions and Answers

SQL Server Interview Questions and Answers

Java OOPS Interview Questions and Answers

Core Java Interview Questions and Answers

Top Advanced Java Interview Questions and Answers

Email Newsletter

Enter your Email Address and get interesting updates

Your email Address...

Subscribe

Follow Us

Popular Categories

Database Interview Questions and Answers

.Net Interview Questions and Answers

Core Java Interview Questions and Answers

C Interview Questions and Answers

HR Interview Questions and Answers

Aptitude Test - Tips, Tricks and Shortcuts

Seminar Topics for CSE, MCA, I.T

Seminar Topics for ECE

MBA after Engineering - Courses & Top Colleges

Quick Links

Home

Careers Jobs

Interview Questions

Placement Test

Seminar Topics

B.E Projects

Tutorials

Blog

Forum

Contribute Projects & Seminars

Quick Contacts

E: info@a4academics.com

W: www.a4academics.com

Follow us on