

# Programming Microsoft ASP.NET MVC

## Chapter 01: ASP.NET MVC controllers

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**12 April 2019**

Q1. In ASP.NET MVC, what does each request from the client result in on the server?

- A. Execution of a method of a HTTP handler component
- B. Execution of an action which is a method on a specific controller class
- C. Execution of a method on a model class
- D. Execution a view template by the view engine.

Answer: B

[Page: 3]

Q2. What is a route?

- A. a mechanism that makes ordinary URLs into search engine optimization (SEO)-friendly URLs
- B. a pattern-matching string that represents the absolute path of a URL
- C. a HTTP handler and binding it to a URL
- D. a HTTP module processes incoming requests by looking at the URLs and dispatching them to the most appropriate executor

Answer: B

[Page: 10]

Q3. Which one is the default route for an ASP.NET MVC application?

- A. {controller}/{action}
- B. {controller}/{action}/\*
- C. {controller}/{action}/{id}
- D. {controller}/{action}/{id}

Answer: C

[Page: 10]

Q4. Where in a ASP.NET MVC application you register routes?

- A. In the Load event of start up view
- B. In the Application\_Start event in the global.asax file
- C. In the Application\_BeginRequest event in the global.asax file
- D. In the Session\_Start event in the global.asax file

Answer: B

[Page: 11]

Q5. Which collection do you add a route a route to?

- A. Routes
- B. RouteTable
- C. RouteTable.Routes
- D. RouteConfig

Answer: C

[Page: 11]

Q6. Which method of the RouteTable.Routes collection do you typically use to register a supported route?

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- A. Add
  - B. Register
  - C. Map
  - D. **MapRoute**

Answer: D

[Page: 11]

Q7. Which one is valid route registration

- A. `RouteTable.MapRoute( "Default", "{controller}/{action}/{id}",  
new {  
controller = "Home",  
action = "Index",  
id = UrlParameter.Optional  
});`
- B. `RouteTable.Routes.MapRoute( "Default", "{controller}/{action}/{id}",  
new {  
controller = "Home",  
action = "Index",  
id = UrlParameter.Optional  
});`
- C. `RouteTable.Routes.MapRoute( "{controller}/{action}/{id}",  
new {  
controller = "Home",  
action = "Index",  
id = UrlParameter.Optional  
});`
- D. `RouteTable.Routes.MapRoute("{controller}/{action}/{id}" );`

Answer: B

[Page: 11]

Q8. Which route apply constraint to url parameter to be numeric and must contain two digits?

- A. `RouteTable.Routes.MapRoute( "ProductInfo", "{controller}/{action}/{id}",new { controller = "Product",action = "Index", id=@"\d{2}"} );`
- B. `RouteTable.Routes.MapRoute( "ProductInfo", "{controller}/{action}/{id}", new{id=@"\d{2}"},  
new { controller = "Product",action = "Index" });`
- C. `RouteTable.Routes.MapRoute( "ProductInfo", "{controller}/{action}/{id}", new { controller = "Product",action = "Index" }, new{id=@"\d{2}"} );`
- D. `RouteTable.Routes.MapRoute( "ProductInfo", "{controller}/{action}/{id}", new{id=@"\d{2}"} );`

Answer: C

[Page: 13]

Q9. Which object processes any requests that match a given route?

- A. Controller
- B. RouteTable
- C. **RouteHandler object that implements the IRouteHandler interface**
- D. View

Answer: C

[Page: 13]

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Q10. How does ASP.NET MVC behave if a user request URL can be mapped to a file that physically exists on the server?

- A. The ASP.NET MVC routing system delivers the file as static resource without processing
- B. The ASP.NET MVC routing system **ignores** the request even if the request matches a route
- C. The ASP.NET MVC routing system returns 404 status code response
- D. The ASP.NET MVC routing system rejects the request with unauthorized status code

Answer: B

[Page: 14]

Q11. How to force routing system to handle requests for **physical files**?

- A. By setting the HandleRoute property of the RouteCollection object to true
- B. By setting the **RouteExistingFiles** property of the RouteCollection object to **true**
- C. By setting the RouteExistingFiles property of the RouteCollection object to false
- D. By creating a custom HttpHandler

Answer: B

[Page: 14]

Q12. Which component of a MVC application governs the processing of a request from the user?

- A. Model
- B. View
- C. ViewModel
- D. **Controller**

Answer: D

[Page: 15]

Q13. How do you create a controller class?

- A. Creating a class **in**heriting from Controller class
- B. Creating a class inheriting from Page class
- C. Creating a class inheriting from ViewStartPage class
- D. Creating a class inheriting from MvcApplication class

Answer: A

[Page: 17]

Q14. By default, the controller class is named after the controller name with \_\_\_\_\_ added.

- A. a Controller prefix
- B. a Controller **suffix**
- C. a Ctrl prefix
- D. a Ctrl suffix

Answer: B

[Page: 18]

Q15. How can you prevent a public controller method from being **implicitly bound** to an action name?

- A. By adding the Authorize attribute to the method
- B. By adding the **NonAction** attribute to the method
- C. By adding the Deny attribute to the method
- D. By adding the RejectVerbs attribute to the method

Answer: B

[Page: 19]

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Q16. How can you bind a controller method to a different action name?

- A. By adding the Route attribute to the method
- B. By adding the NonAction attribute to the method
- C. By adding the ActionName attribute to the method
- D. By adding the AcceptVerbs attribute to the method

Answer: C

[Page: 19]

Q17. How you bind a method to an action for a specific HTTP verb?

- A. By adding the Route attribute to the method
- B. By adding the NonAction attribute to the method
- C. By adding the ActionName attribute to the method
- D. By adding the AcceptVerbs attribute to the method

Answer: D

[Page: 19]

can be used HttpGet, HttpPost, and HttpPut]

Q18. From which dictionary you cannot retrieve data using Request.Params in controller action method?

- A. QueryString
- B. Form
- C. Cookies
- D. RouteData

Answer: D

[Page: 22]

Q19. Which predefined ActionResult type sends the content of a file to the browser through a Stream object?

- A. ContentResult
- B. FileContentResult
- C. FilePathResult
- D. FileStreamResult

Answer: D

[Page: 26]

Q20. Which predefined ActionResult type sends an HTTP 404 response code to the browser?

- A. ContentResult
- B. EmptyResult
- C. HttpNotFoundResult
- D. HttpUnauthorizedResult

Answer: C

[Page: 26]

Q21. Which predefined ActionResult type sends an HTTP 401 response code to the browser?

- A. ContentResult
- B. EmptyResult
- C. HttpNotFoundResult
- D. HttpUnauthorizedResult

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Answer: D

[Page: 26]

Q22. By convention, where the view template is located?

- A. In the Shared folder inside the Views folder
- B. In the Controllers folder in a directory that matches the name of the controller
- C. In the Views folder in a directory that matches the name of the controller
- D. In the Models folder in a directory that matches the name of the controller

Answer: C

[Page: 29]