

# 56 ASP.NET MVC interview questions to ask your applicants

## Questions

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1. Can you explain the MVC design pattern and how it works within ASP.NET?
2. What are some benefits of using ASP.NET MVC over traditional ASP.NET Web Forms?
3. How do you manage routing in an ASP.NET MVC application?
4. What is a ViewModel and how does it differ from a Model in MVC?
5. How would you implement validation in an ASP.NET MVC application?
6. Can you describe how dependency injection is handled in ASP.NET MVC?
7. What are filters in ASP.NET MVC, and how can they be used to enhance application functionality?
8. How do you handle exceptions in an ASP.NET MVC application?
9. Can you explain the role of the Global.asax file in an ASP.NET MVC application?
10. What strategies do you use for testing ASP.NET MVC applications?
11. How do you ensure the security of an ASP.NET MVC application?
12. What is the purpose of the Razor view engine in ASP.NET MVC?
13. How do you handle model binding in ASP.NET MVC?
14. Can you describe what TempData is and when you would use it in an ASP.NET MVC application?
15. What are HTML helpers in ASP.NET MVC and how do you use them?
16. How do you implement caching in an ASP.NET MVC application?
17. What is the role of the Controller in ASP.NET MVC?
18. How do you manage sessions in an ASP.NET MVC application?
19. How do you implement areas in an ASP.NET MVC application, and why would you use them?
20. Can you explain the difference between synchronous and asynchronous action methods in ASP.NET MVC?
21. What is the role of the ActionResult class in ASP.NET MVC, and how does it differ from other result types?
22. How do you implement custom routing in an ASP.NET MVC application?
23. Can you discuss how you would structure a large ASP.NET MVC application for maintainability?
24. What are some common performance issues in ASP.NET MVC applications, and how can they be addressed?
25. How do you handle cross-site request forgery (CSRF) protection in ASP.NET MVC?
26. What is the purpose of the Web.config file in an ASP.NET MVC application?
27. How do you manage client-side validation in an ASP.NET MVC application?
28. Can you explain how to use Ajax in an ASP.NET MVC application, and give an example of its benefits?
29. What is the purpose of the Controller in the MVC pattern?
30. Can you describe what TempData is and when you would use it in an ASP.NET MVC application?
31. What are HTML helpers in ASP.NET MVC and how do you use them?
32. How do you implement caching in an ASP.NET MVC application?
33. How do you manage sessions in an ASP.NET MVC application?
34. What are some common performance issues in ASP.NET MVC applications, and how can they be addressed?
35. How do you handle cross-site request forgery (CSRF) protection in ASP.NET MVC?
36. Can you walk me through the lifecycle of an ASP.NET MVC request?
37. How does attribute routing differ from conventional routing in ASP.NET MVC?
38. What is the purpose of the Application\_Start method in Global.asax?
39. Explain the difference between RedirectToAction and RedirectToRoute.
40. How does the ASP.NET MVC framework handle URL generation?
41. What is the role of the RouteConfig class in ASP.NET MVC?
42. Can you explain the concept of route constraints and provide an example?
43. How does ASP.NET MVC handle incoming requests and map them to controller actions?
44. What is the purpose of the [HttpGet] and [HttpPost] attributes in controller actions?
45. How can you create custom route handlers in ASP.NET MVC?
46. Explain the differences between Server.Transfer and Response.Redirect.
47. How does ASP.NET MVC handle 404 errors, and how can you customize this behavior?
48. You're working on a large e-commerce site. How would you implement a shopping cart that persists across sessions?
49. A client reports slow page load times on their ASP.NET MVC site. Walk me through your approach to diagnosing and resolving this issue.
50. You need to integrate a third-party payment gateway into your MVC application. How would you approach this task?
51. Describe how you would implement a custom authentication system in an ASP.NET MVC application.
52. Your team is migrating a legacy Web Forms application to MVC. What strategy would you use to ensure a smooth transition?
53. How would you implement real-time notifications in an ASP.NET MVC application?
54. You're tasked with creating a multi-tenant ASP.NET MVC application. How would you design the architecture?
55. Explain how you would implement a role-based access control system in an ASP.NET MVC application.