48 Blazor interview questions to ask your applicants

Questions

1. Can you explain the difference between Blazor Server and Blazor WebAssembly?

2. How do you handle state management in a Blazor application?

3. What is the purpose of the @inject directive in Blazor?

4. How would you implement client-side routing in a Blazor WebAssembly application?

5. Can you describe the component lifecycle in Blazor?

6. What are the advantages of using Blazor over traditional JavaScript frameworks?

7. How do you handle authentication and authorization in a Blazor application?

8. Can you explain how to use JavaScript interop in Blazor?

9. What strategies would you use to optimize the performance of a Blazor application?

10. How do you implement dependency injection in a Blazor application?

11. Can you explain what Blazor components are and how they are used?

12. How do you handle form validation in a Blazor application?

13. What is the purpose of the @code block in a Blazor component?

14. How would you implement data binding in a Blazor component?

15. Explain the concept of cascading parameters in Blazor.

16. How do you handle errors in a Blazor application?

17. What is the purpose of the @key directive in Blazor, and when would you use it?

18. Can you explain how to manage component parameters in Blazor and the significance of the [Parameter] attribute?

19. What are event callbacks in Blazor, and how do you use them to handle events from child components?

20. Can you describe how to implement and use custom components in a Blazor application?

21. How do you handle CSS isolation in Blazor components, and why is it beneficial?

22. What is the role of the Router in a Blazor application, and how do you configure routes for your components?

23. Can you explain the concept of `RenderFragment` and how it is useful in Blazor for building dynamic UI?

24. How do you perform unit testing for Blazor components, and what tools or frameworks do you recommend?

25. What strategies would you employ to manage large-scale Blazor applications and maintain code organization?

26. Can you discuss the importance of accessibility in Blazor applications and how you would ensure compliance?

27. What are the differences between a .razor component and a .razor.cs file in Blazor, and when would you use each?

28. How would you implement real-time functionality in a Blazor application?

29. Can you explain the concept of prerendering in Blazor and when you might use it?

30. How would you optimize the bundle size of a Blazor WebAssembly application?

31. Explain the concept of virtualization in Blazor and when you would use it.

32. How would you implement localization in a Blazor application?

33. How would you implement server-side validation in a Blazor application?

34. How would you implement a custom authentication system in a Blazor application?

35. How would you optimize the performance of a data-heavy Blazor application?

36. How would you implement a complex workflow or multi-step process in a Blazor application?

37. How do you create and use a child component in Blazor?

38. Can you explain the difference between one-way and two-way data binding in Blazor?

39. How do you pass data from a parent component to a child component in Blazor?

40. What are event handlers in Blazor and how do you use them?

41. How do you manage component state in Blazor?

42. Can you explain how conditional rendering works in Blazor?

43. How do you dynamically render components in Blazor?

44. How would you implement a reusable component in Blazor?

45. What is the purpose of the @attribute directive in Blazor components?

46. How do you handle component disposal and cleanup in Blazor?

47. Can you explain how to use templated components in Blazor?

48. How do you reference and manipulate DOM elements in a Blazor component?