

57 Front-End Development interview questions to ask candidates

Questions

1. How do you ensure cross-browser compatibility in your projects?
2. Explain the concept of responsive design and how you implement it.
3. How do you optimize website performance?
4. What's your approach to making a website accessible?
5. How do you stay updated with the latest front-end technologies and trends?
6. Describe a challenging project you've worked on and how you overcame the obstacles.
7. How do you approach debugging in front-end development?
8. How do you balance aesthetics with functionality in your designs?
9. Can you explain the difference between 'let', 'const', and 'var' in JavaScript?
10. How would you create a responsive navigation menu without using any frameworks?
11. What's the purpose of the 'alt' attribute in HTML img tags?
12. Describe how you would implement a simple modal popup using HTML, CSS, and JavaScript.
13. What are CSS pseudo-classes? Can you give an example of how you'd use one?
14. How do you handle form validation on the client-side?
15. Explain the concept of 'hoisting' in JavaScript.
16. What's the difference between 'display: none' and 'visibility: hidden' in CSS?
17. How would you optimize images for a website?
18. Can you explain what AJAX is and give a simple use case?
19. What's the purpose of the 'viewport' meta tag?
20. How do you center a div both horizontally and vertically?
21. What are data attributes in HTML and how might you use them?
22. Explain the box model in CSS.
23. How do you handle browser-specific CSS properties?
24. What's the difference between '==' and '===' in JavaScript?
25. How would you implement a simple slideshow without using any libraries?
26. What's the purpose of the 'defer' attribute in script tags?
27. How do you approach naming conventions in your CSS?
28. Can you explain what a closure is in JavaScript and provide a simple example?
29. What are some common challenges you face when implementing CSS layouts, and how do you overcome them?
30. How do you approach the task of integrating third-party APIs into your front-end projects?
31. Can you explain the concept of modular CSS and how you apply it in your projects?
32. Describe your experience with version control systems. How do you manage and collaborate on code with your team?
33. How do you ensure that your web applications are secure from common vulnerabilities?
34. What is the importance of SEO in front-end development, and how do you incorporate it into your projects?
35. How do you handle state management in your front-end applications?
36. What strategies do you use to ensure your applications are scalable and maintainable?
37. How do you approach testing in front-end development?
38. Can you describe a time when you had to refactor a large codebase? What was your approach?
39. What is the Virtual DOM in React and how does it improve performance?
40. Explain the concept of Progressive Enhancement in web development.
41. How does CSS Grid differ from Flexbox, and when would you use one over the other?
42. What are Web Components and how do they promote reusability?
43. Describe the purpose and functionality of Service Workers in modern web applications.
44. What is tree shaking in JavaScript and how does it optimize code?
45. Explain the concept of Critical Rendering Path and its impact on page load times.
46. How do you implement lazy loading for images in a web application?
47. What are CSS Custom Properties (variables) and how do they enhance stylesheet management?
48. Describe the purpose of the 'use strict' directive in JavaScript.
49. What is the Shadow DOM and how does it relate to Web Components?
50. Explain the differences between cookies, localStorage, and sessionStorage.
51. How do you decide when to use a specific front-end framework?
52. Can you explain the benefits of using a component-based architecture in front-end frameworks?
53. How would you handle state management in a large-scale React application?
54. What are some common performance issues in Angular applications and how do you address them?
55. How do you ensure code quality and consistency when working with a front-end team using Vue.js?
56. Can you describe a situation where you had to integrate a third-party library into your Angular project?
57. What are the key differences between Vue.js and React, and when would you choose one over the other?