

CSS Developer Test

Grid Properties

- 3. How can you define the number of columns in a grid container? (5 marks)
- 4. What does the `fr` unit represent in grid layout? (5 marks)

Flexbox Concepts

- 5. Explain the main difference between flexbox and grid layout. (5 marks)
- 6. How does flex-grow work in a flex container? (5 marks)

Flex Container and Items

- 7. Describe the purpose of the `justify-content` property in a flex container. (5 marks)
- 8. How does the `align-items` property influence flex items? (5 marks)

Positioning Elements

- 9. When would you use `position: relative` in CSS? (5 marks)
- 10. Explain the difference between `position: absolute` and `position: fixed`. (5 marks)

Pseudo-classes

- 11. What is the purpose of the `:hover` pseudo-class in CSS? (5 marks)
- 12. How can you use the `:nth-child` pseudo-class to select specific elements? (5 marks)

Responsive Design

13. How can you create a responsive grid layout using media queries? (5 marks)

14. Explain the concept of mobile-first design and how it relates to CSS. (5 marks)

Box Model

15. Describe the components of the CSS box model. (5 marks)

16. How can you alter the box-sizing behavior in CSS? (5 marks)

Cross-browser Compatibility

17. Why is it important to consider cross-browser compatibility when working with CSS? (5 marks)

18. Name a few techniques to ensure consistent styling across different browsers. (5 marks)

Transforms and Transitions

19. How can you use the `transform` property to scale an element? (5 marks)

20. Explain the purpose of the `transition` property in CSS. (5 marks)

What does the CSS property `transform: rotate(45deg);` do? (5 marks)

1. Rotates the element 45 degrees clockwise
2. Rotates the element 45 degrees counterclockwise
3. Flips the element vertically
4. Invalid transform value

What is the purpose of the CSS property `media-query`? (5 marks)

1. It is used to apply styles based on device characteristics or viewport size
2. It is used to query media files in CSS
3. It is used to define media content for print
4. It is used to query database connections in CSS

Which of the following is a valid media query for targeting devices with a maximum width of 600 pixels? (5 marks)

1. @media (min-width: 600px)
2. @media (max-width: 600px)
3. @media screen and (width <= 600px)
4. @media device-width: 600px

Which of the following is NOT a valid pseudo-element in CSS? (5 marks)

1. ::before
2. ::after
3. ::first-child
4. ::last-child

Time Allowed: 60 minutes