GENERAL

1. What methodology do they follow? Agile? Kanban? Waterfall?

2. What's their QA process? What bug tracker do they use?

3. What technology stacks are they working with?

4. Do you have experience with Peer/code reviews?

5. Have you worked with in Git?

6. Have they built any internal tooling? Grunt/Gulp/Bash etc.

7. Do you have experience with Continuous integration and Continuous delivery?

HTML

1. Can you tell me what the current browser standard HTML version is? (5)

2. What is the difference between a div and a span? div (logical division) of the DOM where as a span is a an in-line container.

3. What is the difference between the head element and the header element? head element is part of the HTML document placed prior to the body as header is a HTML 5 element used in the body.

4. What are some HTML 5 elements that are self-closing? <hr/>
 <img/> <link/> <meta/> <area/> <param/>

CSS

1. What is the order of precedence for CSS in the DOM? External (link), internal (style tag) in-line (style attribute)

2. What is the difference between visibility: hidden and display none? visibility: hidden still takes up DOM space and display: none does not.

3. What are the different types of selectors? Class, ID and Tag.

4. What is the purpose of the z-index? z-index introduced the 3rd dimension for display allow z coordinate precedence over other elements on the page.

5. What are vendor prefixes used for, explain? used to identify experimental representations of future CSS specifications.

6. Can you name some of the well known vendor prefixes and their layout Engines? prefix/Engine -ms-Trident/Microsoft, -webkit- Webkit/Blink, -o- Presto, -moz- Gecko.

7. What is a CSS psuedo class? keyword added to a selector that specifies a special state of the selected element(s).

8. What is the difference between Responsive and Adaptive design? Responsive is components adapting to the viewport sizing, where adaptive is component/page layouts for certain viewport sizes.

9. What is Sass and less? CSS preprocessor/language extensions that can be compiled into pure CSS.

10. What is a mixin and how do you use a mixin? A function that can be used to create multiple instances of CSS selectors based on possible variables.

11. What is the difference between extend and include?

    @extend tells Sass that one selector should inherit the styles of another.

    @include tells Sass that the current mixin should be included into the context.

12. What is meant by CSS normalization/normalize? The process of setting the browser default stylings so that they are equal styles.

13. What is CSS 'var' function? function that can be used to place a variable into a properties value.

14. What are the differences between using px | em | rem?

       px is straight forward font sizing

       em is based on the nearest parent sizing, so parent 14px 1 em is 14px

       rem is based on the root element (html) font size so html font size 14px 1 rem is 14px.

JS

1. What are the multiple ways to get an element from the DOM? getElement(s)By(Id, (s)Class, (s)Tagname, (s)Attribute) and querySelector(All)

2. What are the fastest ways to get an element from the DOM? getElementById

3. What is the difference between getElementsByClass and querySelectorAll? querySelectorAll accepts a query string made up of CSS selectors

4. How do you create an element from a string? innerHTML, outerHTML, createElement

5. What is the basic difference between prototypal and pseudo classical Object creation? prototypal uses Object.create and pseudo classical uses constructor methodology.

6. What is the difference between async/await and Promise? async await is the original asynchronous methodology used in javascript where Promise is the new methodology using future objects (Promise objects).

7. Can you explain the difference between calling a function and using the call function? The call function allows for adding in the scope of the function you are trying to call.

8. Explain javascript hoisting? At javascript compilation time, variables are defined at the top of function scope, but their definitions are not brought up.

Example:

```
var msg = "hello world";
function sayHi(){
        console.log(msg);
        var msg = "hi";
}
sayHi();


What is displayed?
(answer: undefined);
```

9. Explain javascript debounce? debouncing is using a technique that allows for a timed delay of a method call to reduce repeated calls for instance listening to the resize event.

10. What's the difference between a '==' and a '==='?
1 == "1" is true because javascript will convert the string to a number before comparison
1 === "1" if false as the two types are not equal for comparison.

11. What's the difference between Event bubbling and capturing? The direction in which the Event propagated up or down the DOM.

Accessibility

1. What is WCAG? Web Content Accessibility Guidelines

2. Can you tell me what the WAI in WAI-ARIA means? Web Accessibility Initiative

3. Do you know the difference between AA and AAA? The set of guidelines, AA viewed as the acceptable level of accessibility for many online services, AAA viewed as the gold standard level of accessibility.