

The screening questions we went over are below.

### SCREENING QUESTIONS:

#### - JavaScript

Q: What is the main difference between Array.map and Array.forEach?

A: Array.map function returns an array and Array.forEach does not.

Q: What is Prototype in JavaScript?

A: JavaScript uses Prototypal Inheritance. It is a reference to another object, which delegates a function or value in case it is not defined in the current object.

Q: What would be the first option to do math operations in JavaScript?

A: First option is the global Math object which contains the many common functions.

Q: What is ES6?

A: ES6 (EcmaScript version 6) today Apr 2017, is the latest released version of JavaScript standard, which includes several new language capabilities.

#### - CSS

Q: What is a child selector?

A: It's a type of selector to get all direct children elements of a parent element.

Example: `div > p { width: 100%; }`

Q: How do you apply color to a text using CSS?

A: Using property `"color: red"`

Q: What are CSS transformations, can you give me one examples?

A: It's a css property to modify a DOM element visually.

Examples: scale (change size), translate (move), skew (change shape), rotate

Q: What are transitions in CSS, can you give me one example?

A: It's a way to create smooth transitions using browser render.

Example: Any transform property can be transitioned. Also, height, width, left, right, etc.

#### - HTML

Q: How would you embed a video to a web application?

A: Using video tag (`<video> ... </video>`) it supports various type of video formats.

Q: Why is important to use doctype declaration in a html document?

A: Because the client knows what type of document to expect and properly render it.

#### - ReactJS

Q: What is JSX in React environment?

A: JSX is syntax sugar similar to HTML to create React Elements.

Q: Why do we need sometimes "refs" in React?

A: It is an option to get access to the DOM nodes elements from within the component.

Q: What happens when you call setState in React?

A: It merges and updates the changes into the state object, triggers a render method and check whether it is necessary update the UI or not.

#### **- NodeJS / Webpack**

Q: Is it possible to manipulate files in NodeJS environment?

A: Yes, using built-in module call "fs" (file system)

Q: What is Webpack for?

A: It's module bundler. It is often use to run building tasks, css validations, css prefixers, transpilers task, etc.

#### **- Babel**

Q: What is babel?

A: Babel is a compiler used to transpile different syntax languages into JavaScript.