🐯 JS.3

▼ What is event delegation?

a technique wherein you add event listeners to a parent element instead of adding them to the descendant elements.

The listener will fire whenever the event is triggered on the descendant elements due to event bubbling up the DOM.

▼ What is the benefit of event delegation?

Memory footprint goes down because only one single handler is needed on the parent element, rather than having to attach event handlers on each descendant.

▼ How does this work in JavaScript?

the value of this depends on how the function is called

▼ If the new keyword is used when calling the function, this inside the function is what?

an object

▼ If apply, call, or bind are used to call/create a function, this inside the function is what?

the object that is passed in as the argument

▼ If a function is called as a method, such as obj.method() — this is what?

the object that the function is a property of

▼ If a function is invoked as a free function invocation, this is what?

the global object

In a browser, it is the window object.

▼ this for an arrow function?

Arrow functions have lexical scope which means the this inside of them, is the same as the outer function.

▼ All JavaScript objects have a **proto** property, that is a reference to what?

another object, which is called the object's "prototype"

▼ How does prototypal inheritance work?

When a property is accessed on an object and if the property is not found on that object, the JavaScript engine looks at the object's **proto**, and the **proto**'s **proto** and so on, until it finds the property defined on one of the __proto__s or until it reaches the end of the prototype chain.

▼ If apply, call, or bind are used to call/create a function, this inside the function is what?

the object that is passed in as the argument

▼ Arrow functions prevent what?

the caller from controlling context via .call or .apply

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