Date: 09-6-2020

Morning Session: 9am - 11 PM

By ~ Sundeep Charan Ramkumar Today

Topics: Events and jQuery

Event: it is a way to describe a user interaction.

Ex: mouse event, keyboard event, etc...

How do u exactly make sure that default action being removed :

PreventDefault(): the default action of the event will not be triggered.

Whatever element which has the default action it can be overwritten by using this method is called preventDefault().

When it is useful?

```
googleLink.addEventListener("click", function (event) {
   if (event.target.getAttribute('href'))
   console#log("We have been redirected to google");
});
```

```
googleLink.addEventListener("click", function (event) {
   if (event.target.getAttribute("href") === "http://google.com") {
      event.preventDefault();
      console.log("You cannot go further. This website is not allowed");
      return;
   }
   console.log("We have been redirected to another website");
});
```

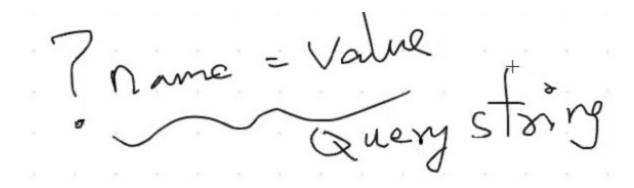
Event.preventDefault() is super useful whenever you're using forms. By default forms will have all the data posted in url itself.

It has two requests 1) GET, 2) POST, sent to server

It automatically submit th form by reloading page and populating all the details url list.

```
// submit => Exclusive for forms
loginForm.addEventListener("submit", function (event) {
   event.preventDefault();
   console.log("Form submitted");
```

```
// submit => Exclusive for forms
loginForm.addEventListener("submit", function (event) {
    event.preventDefault();
    console.log("Form submitted", event.target);
    var email = event.target.email;
    var password = event.target.password;
    console.log(email.value, password.value);
});
```



Query String useful for post data and get Request

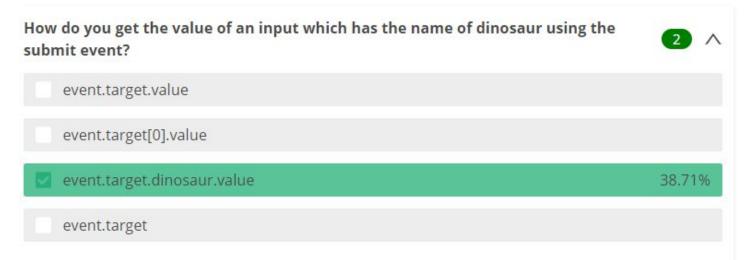
stopPropagation():

Bubbling Effect:- Event Bubbling is when the event starts from the deepest element or target element to its parents, then all its ancestors which are on the way from bottom to top.

```
var clickMeButton = document.querySelector(".clickme");
var container = document.querySelector(".container");
var wrapper = document.querySelector(".wrapper");
window.addEventListener("click", function (event) {
    console.log("Window itself has been clicked");
  });
  container.addEventListener("click", function (event) {
    console.log("Container div has been clicked");
  });
 wrapper.addEventListener("click", function (event) {
    console.log("Wrapper div has been clicked");
  });
  clickMeButton.addEventListener("click", function (event) {
    event.stopPropagation();
    console.log("I have been clicked");
  });
```

The event. stopPropagation() method stops the bubbling of an event to parent elements, preventing any parent event handlers from being executed.





jQuery:

jQuery is framework for Javascript

Framework: framework is something which consists of some inbuilt functions which allow you to not repeat yourself Again and again.

https://jquery.com/

Local Installation: You can directly download jQuery library from their official website and include it in your HTML code

https://jquery.com/download/

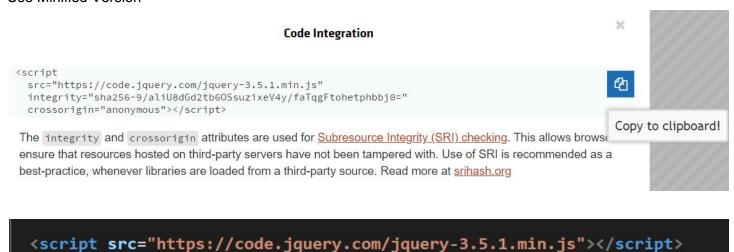
LINK TO CDN

https://code.jquery.com/

jQuery 3.x

jQuery Core 3.5.1 - uncompressed, minified, slim, slim minified

Use Minified Version



jQuery allows us to select elements with the help of \$, \$ it is Equal document.querySelector().

https://api.jquery.com/

Selectors:

https://api.jquery.com/category/selectors/

```
// tag, class, id
var inputElements = $("input");
console.log(inputElements);
var containerElement = $(".container")[0];
var paragraphElement = $("#something")[0];
console.log(paragraphElement);
```

Manipulation:

https://api.jquery.com/category/manipulation/

.CSS():

https://api.jquery.com/css/

