

Date : 09-6-2020

Morning Session : 9am – 11 PM

By ~ Sundee 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.*

```
googleLink.addEventListener("click", function (event) {  
    event.preventDefault()  
    console.log("We have been redirected to google");  
});
```

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

```
<form action="">
  <input type="email" name="email" placeholder="Enter your email" />
  <input
    type="password"
    name="password"
    placeholder="Enter your password"
  />
  <input type="submit" value="Login" />
</form>
```

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);
});
```

? name = value
Query string

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.

```
<div class="container">
  <div class="wrapper">
    <button class="clickme">Click me</button>
  </div>
</div>
```

```
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.

A submit event's default action is to redirect the user to some website. True or False?

2



☒ False

87.1%

☐ True

How do you get the value of an input which has the name of dinosaur using the submit event?

2



☐ `event.target.value`

☐ `event.target[0].value`

☒ `event.target.dinosaur.value`

38.71%

☐ `event.target`

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

Code Integration

```
<script  
  src="https://code.jquery.com/jquery-3.5.1.min.js"  
  integrity="sha256-9/aliU8dGd2tb60SsuzixeV4y/faTqgFtohetphbbj0="  
  crossorigin="anonymous"></script>
```



Copy to clipboard!

The `integrity` and `corsorigin` attributes are used for [Subresource Integrity \(SRI\) checking](#). This allows browsers to ensure that resources hosted on third-party servers have not been tampered with. Use of SRI is recommended as a best-practice, whenever libraries are loaded from a third-party source. Read more at srihash.org

```
<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
```

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/>

lets say you have a container which has two paragraph elements of lorem text. I want a wrapper class to wrap both the paragraph elements. Which method should I use?

2



wrapInner



wrapAll

87.69%



wrapEvery



wrap

How do i toggle a class on and off using jQuery?

2



toggleClass



toggle



toggleClass()

67.69%



toggle()