

User Interaction

Button, click, forms....



Interactions

- Mouse based Event
 - click, mouseover
- Time based Event
 - timeout, interval
- Form event
 - submit , reset, input value

Event and Listener

- Event : Something that happens
 - click, mouse over
- Listener : a function linked to an event
 - the event is given to this function as a parameter

Event and Listener

`ELEMENT.addEventListener(eventType, functionName)`

```
let clickFunction = function(event){alert("plop!");}  
  
document.getElementById('my_button').addEventListener(  
    "click",  
    clickFunction);
```

Events basic usage

- Button
 - when clicked
- Input & Form
 - key pressed in a text field / validation / submission
- Mouse action / position
 - mouse over

Type of Events

Event Type Names	Context & Conditions
focus / blur	Received / lost focus Events
keydown / keypress / keyup	Key Events
click / dblclick / mousedown / mouseup / contextmenu	Mouse Button Events
mouseenter / mouseover / mouseout	Mouse move Events
reset / submit	Form Event

Events Everywhere

Mouse Events

<https://codepen.io/antoine-o/pen/ZEzPVZE>

Input Events

<https://codepen.io/antoine-o/pen/WNemLVm>

Get Information from user

Form Element Value

Type	Get the value	Set the value
Input TextArea	<code>ELEMENT.value</code>	<code>ELEMENT.value = "newValue"</code>
Checkbox Radio	<code>ELEMENT.checked</code>	<code>ELEMENT.checked = true</code>
Select	<code>if(ELEMENT.options[X].selected)</code> <code>ELEMENT.options[X].value</code> or <code>ELEMENT.options[X].text</code>	<code>ELEMENT.options[X].selected = true</code>

Handling Basic Form Event

<https://codepen.io/antoine-o/pen/PoYLVPd>

Songs Manager

<https://codepen.io/antoine-o/pen/NWKJowQ>

share doc :

<https://docs.google.com/document/d/10VdeB0UNbWBiGpHyChq0jALUZ7LFf7GQqCy6sBj-258/edit?usp=sharing>

JQuery

What's the difference and what is it used for ?

[Javascript Basics - 04 - JQuery & Javascript](#)