



LABORATOR 13

<https://www.w3schools.com/>
<https://developer.mozilla.org/>
<https://www.w3.org/standards/webdesign/>

jQuery = librerie/framework JS care simplifica limbajul. Se poate descarca de pe site-ul celor de la JQuery sau se poate include in proiect, la finalul secțiunii `<body/>`, folosind *CDN link* de pe site-ul celor de la [dev google](https://dev.google.com).

Javascript:

```
var elements = document.getElementsByClassName("example");

for (var a = 0; a < elements.length; a++) {

    elements[a].style['background-color'] = "black";

}
```

jQuery:

```
$("#example").css("background-color", "black");
```

SINTAXA: `$("selector").action();`

Selectia elementelor:

- `$("#example")` // selecteaza elementele cu **clasa** "example"
- `$("p")` // selecteaza elementele cu tag-ul paragraf
- `$("#hamburger-icon")` // selecteaza elementele cu **id-ul** "hamburger-icon"

Exemplu:

```
$( "#hide" ).click(function() {
    $( ".example" ).css("display", "none");
});
```

SAU

```
$( "#hide" ).click(function() {
    $( ".example" ).hide();
});
```



JS vs JQuery: - evenimente (vezi mai jos)

```
// jQuery's syntax
element.click( function() { } )

// Javascript's syntax
element.onclick = function() { }
```

JS vs JQuery: - style

```
// jQuery's syntax
element.css("property", "value")

// Javascript's syntax
element.style.property = "value"
```

JS vs JQuery:

- element.innerHTML = "New content" ⇔ element.html("New content")
- element.innerText ⇔ element.text()
- pentru manipularea atributelor elementului – src, href, target ⇔ element.attr(atribut, valoare)

ex: `$("#link-element").attr("href", "https://www.udemy.com");`

EVENIMENTE

```
$("element").event(function() {
    // code to be executed when the event occurs
});
```

SAU

```
$("element").on("event", function() {
    // code to be executed when the event is detected
});
```

Event	Description	Event in Javascript
click	Click an element	onclick
dblclick	Double click an element	ondblclick
mouseenter	Move the cursor over an element	onmouseover
mouseleave	Move the cursor out of an element	onmouseout



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keypress and keydown	Some key is pressed	onkeypress and onkeydown
keyup	Some key is released	onkeyup
change	Something changes on a form field	onchange
focus	Some form field gets focus	onfocus
blur	Some form field loses focus	onblur
load or ready	The web page has been loaded	onload
resize	The browser window is resized	onresize
scroll	The user scrolls up or down the page	onscroll

HINT: evenimente care se executa simultan

```
$( "element" ).on({  
    click: function() {  
        // code to be executed on click  
    },  
    mouseenter: function() {  
        // code to be executed on mouseenter  
    },  
    mouseleave: function() {  
        // code to be executed on mouseleave  
    }  
});
```

ANIMATII - [jQuery Effect Methods](#)

```
$( "element" ).animate({property: value}, speed, callback function);
```