

Programming in JAVASCRIPT

LAB 4

Environmental configuration

1. We use a previous model project named *NameLabJS.zip*
2. Similarly, change the name of the catalogue according to the formula.
3. The works operating on the view are performed in the section where `id="Project 4"`.

JQuery: advanced selectors, filters.

Place a table in `id="Project 4"`. You will place the elements needed for the laboratory in it. Fill in the table with any data, inputs, quotations etc. **THIS IS TO BE LEGIBLE! The page is not to go apart. It is to be elegant and aesthetic. Fill in the elements as needed**

The task will be to implement all the newly learned elements from the lecture and to use them in practice.

In `id="Project 4"` place the buttons that refer to the elements from the table above to edit them.

The changes must not cause the page to split!

The buttons are to be numbered and the name of the buttons should describe the function they perform. These can be style changes or examples of functions at the end of the instructions, but of course you can also use others.

After clicking, the button turns to any colour.

Clicking it again will return the target item(s) and button to the default settings.

Use the advanced selectors to find items:

1. descendants
2. children
3. adjacent elements
4. attributes:
 - 4.1. specific
 - 4.2. in which a specific attribute has **a specific value**
 - 4.3. in which the value of a specific attribute **starts** with a given character string.
 - 4.4. in which the value of a specific attribute ends with a **given** character string
 - 4.5. whose specific attribute **contains the** given string.

Each button is to use a different type of selector.

Each type of selector is to be used and is to refer to a different element.

In *id="Project 4"* place the buttons, which will refer to the elements from the table above to edit them.

Changes, of course, must not cause the party to split up!

The buttons are to be numbered and the name of the buttons should describe the function they perform. These can be style changes or examples of functions at the end of the instructions, but of course you can also use others.

After clicking, the button turns to any colour.

Clicking it again will return the target item(s) and button to the default settings.

Use Filters to search for items

1. all even rows of the table
2. all odd rows of the table
3. all even (or odd) rows of a table belonging to a class.
4. the first and last element of the group.
5. elements that do not match the specified selector.

6. elements containing another specified selector.
7. elements containing the text provided.
8. downloading and re-displaying hidden items

Each button is to use a different type of filter.

Each type of filter is to be used and is to refer to a different element.

When needed, we use **function call chains**.

Examples of changes: class, colour, font, length, width, content, position, fading, appearance, etc., etc.

Examples of functions:

<code>\$element.slideDown(speed*, reverse function*)</code>	smoothly develops the element
<code>\$element.slideUp(speed*, reverse function*)</code>	smoothly rolls up the component
<code>\$element.slideToggle(speed*, reverse function*)</code>	smoothly rolls up or down the component
<code>\$element.fadeIn (speed*, reverse function*)</code>	seamlessly shows the element
<code>\$element.fadeOut (speed*, reverse function*)</code>	seamlessly hides the element
<code>\$element.fadeToggle(speed*, reverse function*)</code>	smoothly shows or hides the element
<code>\$element.append(s)</code>	A complete parent is joining the end
<code>\$element.prepend(s)</code>	Joining theElementary parent
<code>\$element.before(s)</code>	Includes anElementprevious element
<code>\$element.after(s)</code>	Includes anElement

*Speed in milliseconds

*The feedback function is an anonymous function performed after the method has finished.

e.g:

[index.html](#)

```
$(".test1").fadeOut();  
$(".test2").fadeIn(300);  
$(".test2").fadeIn(function() {  
    console.log("Zakończono animację");  
});
```

And finally ZIP project and put it on MSTeams