UNIVERSIDADE da MADEIRA

Curso Técnico Superior Profissional em: Tecnologias e Programação de Sistemas de Informação

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Unidade Curricular: Aplicações Centradas em Redes
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INTRODUÇÃO ÀS LINGUAGENS PARA O DESENVOLVIMENTO DE APLICAÇÕES CENTRADAS EM REDES

jQuery

What is jQuery?

An open source JavaScript library that simplifies the interaction between HTML and JavaScript.

jQuery Syntax

The jQuery syntax is tailor-made for **selecting** HTML elements and performing some **action** on the element(s).

Basic syntax is: **$(*selector*).*action*()**

- A $ sign to define/access jQuery
- A (*selector*) to "query (or find)" HTML elements
- A jQuery *action*() to be performed on the element(s)

What do JavaScript and jQuery look like?

Here's a sample chunk of **JavaScript** that adds a "starred" class to each list item.

```
var listItems = document.querySelectorAll('li');

var i;

for (i = 0; i < listItems.length; i++) {
```

```
    listItems[i].className = 'starred';

}
```

Here's a sample chunk of jQuery that does the same thing:

```
$("li").addClass("starred");
```

//Vanilla

var testvar = document.querySelectorAll('p');

//jQuery

var testvar = $('p');

Lógica a seguir

```
$("div").addClass("special");
```
- Find some elements.
- Do something with them.
- Note: All jQuery methods, in the examples, are linked to the documentation.

Document ready

```
$(document).ready(function(){
  // Your jQuery code goes in here
});
```

- In order to traverse and manipulate the page we must wait until it's ready to be used.
- jQuery has a ready event that fires the instant the DOM is ready to be worked with.
- Stick all your jQuery code in a ready block, load it unobtrusively.

Selectors

- By Element: `$("p")`
- By id: `$("#myId")`
- By class: `$(".myClass")`

More Examples of jQuery Selectors

Syntax	Description
`$("*")`	Selects all elements
`$(this)`	Selects the current HTML element
`$("p.intro")`	Selects all `<p>` elements with class="intro"
`$("p:first")`	Selects the first `<p>` element
`$("ul li:first")`	Selects the first `<li>` element of the first `<ul>`
`$("ul li:first-child")`	Selects the first `<li>` element of every `<ul>`
`$("[href]")`	Selects all elements with an href attribute
`$("a[target='_blank']")`	Selects all `<a>` elements with a target attribute value equal to "_blank"
`$("a[target!='_blank']")`	Selects all `<a>` elements with a target attribute value NOT equal to "_blank"
`$(":button")`	Selects all `<button>` elements and `<input>` elements of type="button"
`$("tr:even")`	Selects all even `<tr>` elements
`$("tr:odd")`	Selects all odd `<tr>` elements

Events

```
$("p").click(function(){
    $(this).hide();
});
```

Mouse Events	Keyboard Events	Form Events	Document/Window Events
click	keypress	submit	load
dblclick	keydown	change	resize
mouseenter	keyup	focus	scroll
mouseleave		blur	unload

Effects

```
$("button").click(function(){
    $("#div1").fadeIn();
    $("#div2").fadeIn("slow");
    $("#div3").fadeIn(3000);
});
```

Traversing

```
$("button").parent().css("border", "3px solid red");
```

.parent(), .next(), .prev(), .children(), .siblings() and many more.

```
$("button")
    .parent().css("border", "3px solid red")
    .siblings().css("border", "3px solid green");
```

Mais Recursos:

- http://jquery.com/

- https://www.w3schools.com/jquery/default.asp

- https://learnxinyminutes.com/docs/jquery/