

#9

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JQUERY

CURSO UI DEVELOPMENT II

 Centro Cultural
Escrava Anastácia

 **karanalpe**
WAY TO SUCCESS - TECHNOLOGY



JQUERY

O QUE É

- É uma biblioteca JavaScript rápida, pequena e rica em recursos

LEMA

- Com o lema “escreva menos, faça mais”, o jQuery revolucionou o desenvolvimento web, sendo presente em inúmeros projetos atualmente.



JQUERY

COMO UTILIZAR?

- Baixe o jQuery pelo site:
<https://jquery.com/download/>
- Importe o arquivo no html:

```
<script src="jquery-3.3.1.js"></script>
```

JQUERY

W3

<https://www.w3schools.com/jquery/>

API JQUERY

<https://api.jquery.com/>

JQUERY



**“Talk is
cheap. Show
me the code.”**

Linus Torvalds

JAVASCRIPT X JQUERY

| <i>JavaScript</i> | <i>jQuery</i> |
|---|---|
| JavaScript is a language. It is most popular scripting language on internet which works on all major browsers | jQuery is a framework. It is a fast and concise JavaScript library that simplifies HTML document |
| If I use JavaScript, you need to write own script which may take time | If I use jQuery you need not to write much scripting which already exists in libraries |
| JavaScript is a combination of ECMA script and DOM | jQuery has DOM (Document object Model) |
| Example: JavaScript ID Selector: <pre>var \$el = document.querySelector('#hello');</pre> JavaScript Class Selector: <pre>var \$el = document.querySelector('.bye');</pre> <pre>Function changeBackground(color) { Document.body.style.background = color;} Onload="changeBackground ('red');"</pre> | Example: jQuery ID Selector: <pre>var \$el = \$("#hello");</pre> jQuery Class Selector: <pre>var \$el = \$('.bye');</pre> <pre>\$ ('body') .css ('background', '#ccc');</pre> |

JAVASCRIPT X JQUERY

| Testing in Chrome 25.0.1364.97 32-bit on Windows Server 2008 R2 / 7 64-bit | | |
|--|--|----------------------------------|
| | Test | Ops/sec |
| jQuery.each | <pre>\$.each(a, function() { e = this; });</pre> | 37,072 ±0.30% 86% slower |
| for loop | <pre>for (var i = 0, len = a.length; i < len; i++) { e = a[i]; };</pre> | 298,389 ±14.69% fastest |
| for without caching | <pre>for (var i = 0; i < a.length; i++) { e = a[i]; };</pre> | 211,450 ±16.82% 30% slower |

JAVASCRIPT X JQUERY

Another example of jQuery vs. Javascript (II)

- As you can see, the Javascript version is far more complicated!

jQuery:

```
$(document).ready(function() {  
  $('#clickedElement').click(function() {  
    $('#fadedElement').fadeOut();  
  });  
});
```

Javascript:

```
function fadeThisElement(elm) {  
  for (var i=10; i>0; i--) {  
    var opacity = i/10;  
    setTimeout(function(opacity) {  
      elm.setStyle("-moz-opacity", opacity);  
      elm.setStyle("opacity", opacity);  
      elm.setStyle("filter", "alpha(opacity=" + (opacity*100).toString() );  
    }, 100;  
  }  
}  
window.onload = function() {  
  document.getElementById("clickedElement").onclick = function() {  
    fadeThisElement(document.getElementById("fadedElement"));  
  }  
}
```

Codecademy

19

REFERÊNCIAS

<http://tableless.github.io/iniciantes/manual/js/o-que-jquery.html>