



# To jQuery or not to jQuery

[IVAN.RUZEVIC@INFINUM.CO](mailto:IVAN.RUZEVIC@INFINUM.CO)

**JQUERY === JAVASCRIPT**

# WHAT IS JQUERY

NOT programming language

JavaScript Library

Abstract layer over Vanilla JS

Feature-rich library





**HISTORY**

# WHY JQUERY WAS CREATED?

Cross-browser support  
Easy element selection  
(DOM) Manipulation library

**VERSION 1.0**

**2006**

First stable release

# VERSION 2.0

## 2013

Dropped IE 6—8 support

94kb → 86kb

**VERSION 3.0**

**2016**

Promises

H<sup>TM</sup>L5-compatible



**PROS / CONS**

# CONS

Loading all features  
Slows code execution

# PROS

Cross-browse compatibility

Lightweight (90kb)

Easy to learn

Easy to implement

Chaining

Plugins



**TODAY**

# DO YOU NEED IT TODAY?

All browsers use web standards

!Old browsers ?

Learn Vanilla JS

jQuery === Skynet



**EXAMPLES**

# jQuery

```
$.getJSON('/my/url', function(data) {  
  
});
```

# Vanilla JS

```
var request = new XMLHttpRequest();  
request.open('GET', '/my/url', true);  
  
request.onload = function() {  
    if (request.status >= 200 && request.status <  
400) {  
        // Success!  
        var data = JSON.parse(request.responseText);  
    } else {  
        // We reached our target server, but it  
returned an error  
  
    }  
};  
  
request.onerror = function() {  
    // There was a connection error of some sort  
};  
  
request.send();
```

# jQuery

```
$.ajax({  
  type: 'POST',  
  url: '/my/url',  
  data: data  
});
```

# Vanilla JS

```
var request = new XMLHttpRequest();  
request.open('POST', '/my/url', true);  
request.setRequestHeader('Content-Type',  
  'application/x-www-form-urlencoded;  
  charset=UTF-8');  
request.send(data);
```



# jQuery

```
$(el).fadeIn();
```

# Vanilla JS

```
function fadeIn(el) {  
  el.style.opacity = 0;  
  
  var last = +new Date();  
  var tick = function() {  
    el.style.opacity = +el.style.opacity + (new  
Date() - last) / 400;  
    last = +new Date();  
  
    if (+el.style.opacity < 1) {  
      (window.requestAnimationFrame &&  
requestAnimationFrame(tick)) || setTimeout(tick,  
16);  
    }  
  };  
  
  tick();  
}  
  
fadeIn(el);
```

# jQuery

```
$(el).hide();
```

```
$(el).show();
```

# Vanilla JS

```
el.style.display = 'none';
```

```
el.style.display = '';
```

# jQuery

```
$(el).removeClass(className);
```

# Vanilla JS

```
if (el.classList)
  el.classList.remove(className);
else
  el.className = el.className.replace(new
  RegExp('(^\|\\b)' + className.split(' ').join('|')
  + '\\b|$)', 'gi'), '');
```

# jQuery

```
$(el).toggleClass(className);
```

# Vanilla JS

```
if (el.classList) {  
  el.classList.toggle(className);  
} else {  
  var classes = el.className.split(' ');  
  var existingIndex = classes.indexOf(className);  
  
  if (existingIndex >= 0)  
    classes.splice(existingIndex, 1);  
  else  
    classes.push(className);  
  
  el.className = classes.join(' ');  
}
```

# jQuery

```
$(document).ready(function(){  
  
});
```

# Vanilla JS

```
function ready(fn) {  
  if (document.attachEvent ? document.readyState  
=== "complete" : document.readyState !==  
"loading"){  
    fn();  
  } else {  
    document.addEventListener('DOMContentLoaded',  
fn);  
  }  
}
```

# jQuery

```
$(el).trigger('change');
```

# Vanilla JS

```
var event = document.createEvent('HTMLEvents');  
event.initEvent('change', true, false);  
el.dispatchEvent(event);
```



**WRAP UP**

# ALWAYS BASICS

jQuery is great  
It lost it's original intention  
Today not so heavy

**BUT**

before everything learn the basics





[Becoming-a-javascript-developer](#)

[LearnQuery](#)

# RESOURCES

[Youmightnotneedjquery.com](#)

[Stackexchange.com](#)

[Garstasio.com](#)

[You-Dont-Need-jQuery](#)

[You-Dont-Need-Javascript](#)

[You-Dont-Need-Lodash-Underscore](#)



# Any questions?

IVAN.RUZEVIC@INFINUM.CO  
@IRUZEVIC

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