

D11 – jQuery INTRODUCTION

by Juha Soderqvist



Type: JavaScript library

Written in: JavaScript

Original author(s): John Resig

Developer(s): jQuery Team

Initial release: August 26, 2006; 10 years ago

Stable release: 3.1.1 - September 22, 2016

Repository: github.com/jquery/jquery

WHAT IS **jQuery**

jQuery, at its core, is a DOM (Document Object Model) manipulation library.

jQuery simplifies the syntax for finding, selecting, and manipulating these DOM elements.

The principles of developing with jQuery are:

A) Separation of JavaScript and HTML: The jQuery library provides simple syntax for adding event handlers to the DOM using JavaScript, rather than adding HTML event attributes to call JavaScript functions. Thus, it encourages developers to completely separate JavaScript code from HTML markup.

B) Clarity: jQuery promotes brevity and clarity with features like chainable functions and shorthand function names.

C) Elimination of cross-browser incompatibilities: The JavaScript engines of different browsers differ slightly so JavaScript code that works for one browser may not work for another. Like other JavaScript toolkits, jQuery handles all these cross-browser inconsistencies and provides a consistent interface that works across different browsers.

Include the JQuery library

Same as for standard .JS files

```
<head>
```

```
<script src="https://code.jquery.com/jquery-3.1.0.min.js"></script>
```

```
</head>
```

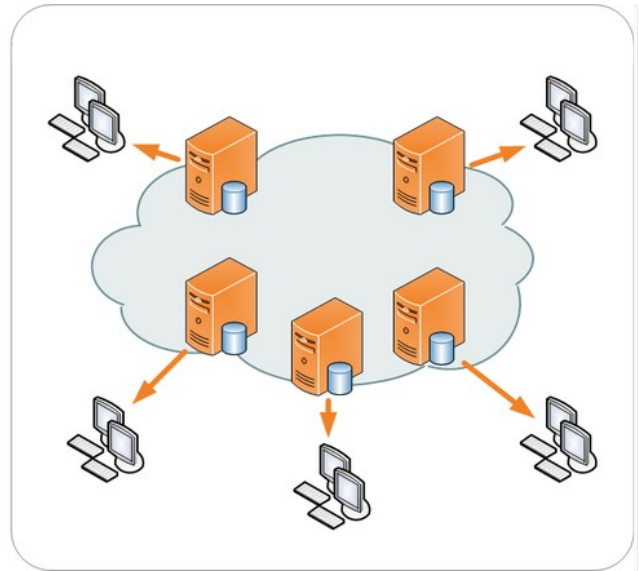
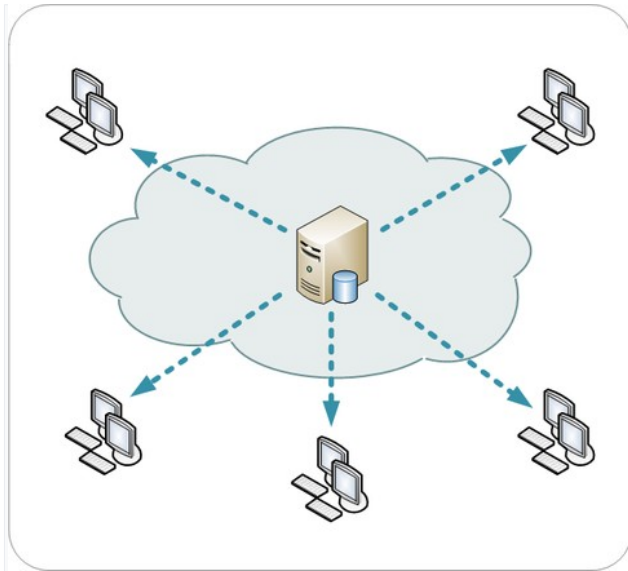
STANDARD

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

CDN

```
<script src="https://code.jquery.com/jquery-3.1.0.min.js"></script>
```

content delivery network or content distribution network (CDN)



jQuery basics

INLINE JQUERY

```
<!DOCTYPE html>

<html>

<head>

<title>d11 - example 2</title>

<!-- add charset -->

<meta charset="utf-8">

<!-- css -->

<link rel="stylesheet" type="text/css" href="css/d11.css">

<!-- local jquery -->

<script src="js/jquery-3.1.1.js"></script>

<!-- CDN -->

<!-- <script src="https://code.jquery.com/jquery-1.10.2.js"></script> -->

</head>

<body>

<h1>d11 - example 2</h1> <hr>

<div></div>

<div></div>

<div></div>

<p>blabla...</p>

<script>

$("div").css("border","4px solid black");

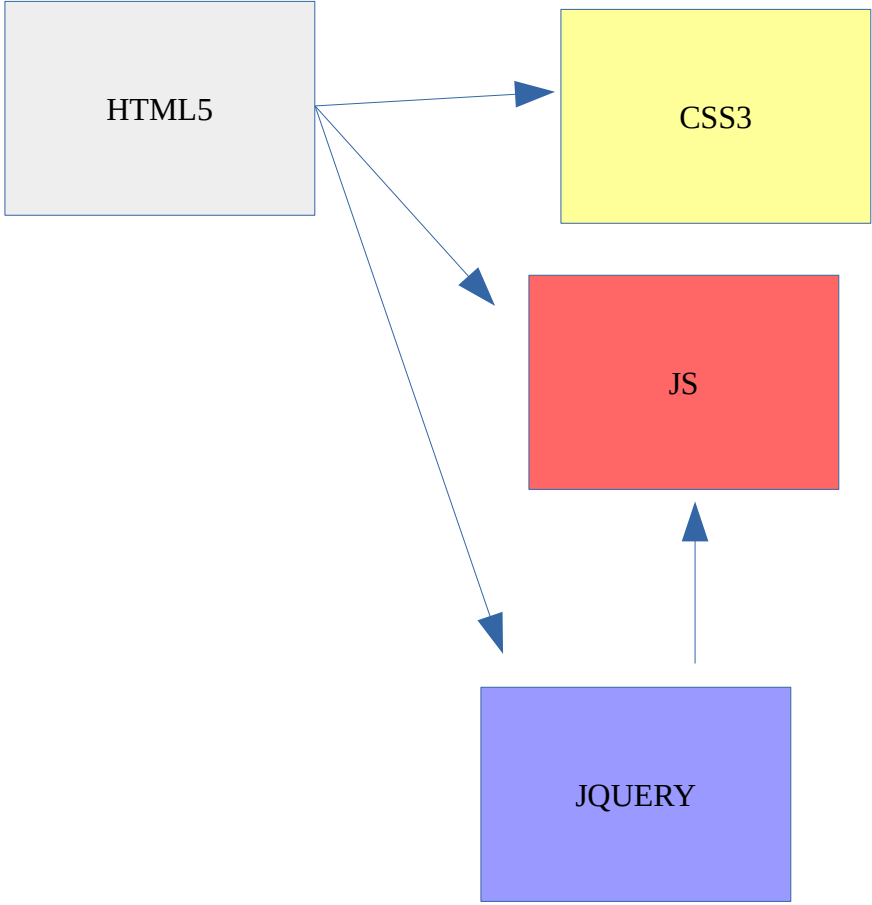
</script>

</body>

</html>
```

Example add jquery script just before </body>

HTML



`$(document).ready()`

A page can't be manipulated safely until the document is "ready." jQuery detects this state of readiness for you. Code included inside `$(document).ready()` will only run once the page Document Object Model (DOM) is ready for JavaScript code to execute.

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

    $("#button1").click(function(){
        $("#d1,#d2,#d3").append(" <b> . </b>");
    });

    // events or functions

$(function() {
    var $zzz = $('li').html();
    $('li').append('<i>' + $zzz + ' added here ' + '</i>');
    test("i was called during document ready");
});

});

// -----
function test(message) {
    var stringx = message;
    alert(stringx);
}
```