# 0x15. JavaScript - Web jQuery

In a nutshell...

• Manual QA review: 0.0/86 mandatory & 0.0/40 optional

• Altogether: 0.0%

Mandatory: 0.0%Optional: 0.0%

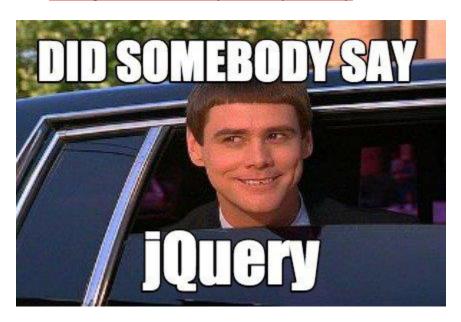
o Calculation: 0.0% + (0.0% \* 0.0%) == 0.0%

#### Concepts

For this project, we expect you to look at these concepts:

• JavaScript in the browser

• Dealing with data statically versus dynamically



# Resources

#### Read or watch:

- What is JavaScript?
- Selector
- Get and set content
- Manipulate CSS classes
- Manipulate DOM elements
- API
- Introduction
- GET & POST request

- JQuery Ajax Tutorial #1 Using AJAX & API's
- What went wrong? Troubleshooting JavaScript
- JQuery
- JQuery API
- JQuery Ajax

# Learning Objectives

At the end of this project, you are expected to be able to <u>explain to anyone</u>, without the help of Google:

#### General

- Why JQuery make front-end programming so easy (don't forget to tweet today, with the hashtag #ilovejquery:))
- How to select HTML elements in JavaScript
- How to select HTML elements with JQuery
- What are differences between ID, class and tag name selectors
- How to modify an HTML element style
- How to get and update an HTML element content
- How to modify the DOM
- How to make a **GET** request with JQuery Ajax
- How to make a POST request with JQuery Ajax
- How to listen/bind to DOM events

## - How to listen/bind to user events

## Copyright - Plagiarism

- You are tasked to come up with solutions for the tasks below yourself to meet with the above learning objectives.
- You will not be able to meet the objectives of this or any following project by copying and pasting someone else's work.
- You are not allowed to publish any content of this project.
- Any form of plagiarism is strictly forbidden and will result in removal from the program.

# Requirements

## General

- Allowed editors: vi, vim, emacs
- All your files will be interpreted on Chrome (version 57.0)

- All your files should end with a new line
- A README.md file, at the root of the folder of the project, is mandatory
- Your code should be semistandard compliant with the flag --global \$: semistandard \*.js --global \$
- You must use JQuery version 3.x
- You are not allowed to use var
- HTML should not reload for each action: DOM manipulation, update values, fetch data...

# More Info

# Import JQuery

```
<head>
     <script src="https://code.jquery.com/jquery-3.2.1.min.js"></script>
     </head>
```



# Manual QA Review

It is your responsibility to request a review for this project from a peer before the project's deadline. If no peers have been reviewed, you should request a review from a TA or staff member.

Quiz questions

Great! You've completed the quiz successfully! Keep going!

#### **Question #0**

How many HTML tags are present in the following HTML code?

- <!DOCTYPE html> is not an HTML tag
- <head></head> is considered one HTML tag.

<!DOCTYPE html>

```
<html lang="en">
 <head>
   <title>Holberton School</title>
 </head>
 <body>
   <header>
     First HTML page
   </header>
   <section>
     <img src="logo.jpg" alt="" />
    Home
      Admission
      Login
    </section>
   <footer>
    Holberton School - 2017
  </footer>
 </body>
</html>
```

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#### **Question #1**

In the following code snippet, does the selector called ('.my\_header') access the HTML tag <header>:

(using document.querySelector or \$(...))?

```
<!DOCTYPE html>
<html lang="en">
 <head>
   <title>Holberton School</title>
   <link rel="stylesheet" href="styles/global.css" />
 </head>
 <body>
   <header class="my_header">
     First HTML page
   </header>
   <section>
     <img src="logo.jpg" alt="" />
     <br />
     <l
       Home
       Admission <span class="btn">apply</span>
       Login
     </section>
   <footer>
     Holberton School - 2017
   </footer>
 </body>
</html>
```

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Yes

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No

### **Question #2**

How many HTML tags are present in the following HTML code?

- <!DOCTYPE html> is not an HTML tag
- <head></head> is considered one HTML tag.

```
<!DOCTYPE html>
<html lang="en">
 <head>
   <title>Holberton School</title>
   <link rel="stylesheet" href="styles/global.css" />
 </head>
 <body>
   <header>
     First HTML page
   </header>
   <section>
     <img src="logo.jpg" alt="" />
     <br />
     <l
       Home
       Admission <span class="btn">apply</span>
       Login
     </section>
   <footer>
     Holberton School - 2017
   </footer>
 </body>
</html>
```

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### **Question #3**

In the following code snippet, does the selector called ('HeAdER') access the HTML tag <header>: (using document.querySelector or \$(...))?

```
<!DOCTYPE html>
<html lang="en">
 <head>
   <title>Holberton School</title>
   <link rel="stylesheet" href="styles/global.css" />
 </head>
 <body>
   <header>
     First HTML page
   </header>
   <section>
     <img src="logo.jpg" alt="" />
     <br />
     <l
       Home
       Admission <span class="btn">apply</span>
       Login
```

```
</section>
<footer>
Holberton School - 2017
</footer>
</body>
</html>
```

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Yes

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No

Tips:

Selectors are case insensitive

### **Question #4**

In the following code snippet, does the selector called ('header.my\_header') access the HTML tag <header>:

(using document.querySelector or \$(...))?

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Yes

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No

#### **Question #5**

In the following code snippet, does the selector called ('#my\_header') access the HTML tag <header>:

(using document.querySelector or \$(...))?

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Yes

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No

### **Question #6**

In the following code snippet, does the selector called ('header') access the HTML tag <header>: (using document.querySelector or \$(...))?

```
First HTML page
   </header>
   <section>
     <img src="logo.jpg" alt="" />
     <br />
     <l
      Home
      Admission <span class="btn">apply</span>
      Login
     </section>
   <footer>
     Holberton School - 2017
   </footer>
 </body>
</html>
```

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Yes

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No

#### **Question #7**

In the following code snippet, does the selector called ('section.my\_header') access the HTML tag <header>:

```
(using document.querySelector or $(...))?
```

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Holberton School</title>
    link rel="stylesheet" href="styles/global.css" />
    </head>
```

```
<body>
   <header class="my_header">
     First HTML page
   </header>
   <section>
     <img src="logo.jpg" alt="" />
     <br />
     <l
       Home
       Admission <span class="btn">apply</span>
      Login
     </section>
   <footer>
     Holberton School - 2017
   </footer>
 </body>
</html>
```

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Yes

**G** 

No

#### **Question #8**

In the following code snippet, does the selector called ('#my\_header') access the HTML tag <header>:

```
(using document.querySelector or $(...))?
```

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Holberton School</title>
```

```
<link rel="stylesheet" href="styles/global.css" />
 </head>
 <body>
   <header class="my_header">
     First HTML page
   </header>
   <section>
     <img src="logo.jpg" alt="" />
     <br />
     Home
      Admission <span class="btn">apply</span>
      Login
     </section>
   <footer>
    Holberton School - 2017
   </footer>
 </body>
</html>
```

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Yes

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No

#### **Question #9**

In the following code snippet, does the selector called ('#my\_header') access the HTML tag <header>:

```
(using document.querySelector or $(...))?
```

```
<!DOCTYPE html>
<html lang="en">
```

```
<head>
   <title>Holberton School</title>
   <link rel="stylesheet" href="styles/global.css" />
 </head>
 <body>
   <header id="my_header">
     First HTML page
   </header>
   <section>
     <img src="logo.jpg" alt="" />
     <br />
     <l
       Home
       Admission <span class="btn">apply</span>
       Login
     </section>
   <footer>
     Holberton School - 2017
   </footer>
 </body>
</html>
```

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Yes

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No

#### **Question #10**

In the following code snippet, does the selector called ('.header') access the HTML tag <header>:

```
(using document.querySelector or $(...))?
```

```
<!DOCTYPE html>
<html lang="en">
 <head>
   <title>Holberton School</title>
   <link rel="stylesheet" href="styles/global.css" />
 </head>
 <body>
   <header>
     First HTML page
   </header>
   <section>
     <img src="logo.jpg" alt="" />
     <br />
     <l
       Home
       Admission <span class="btn">apply</span>
       Login
     </section>
   <footer>
     Holberton School - 2017
   </footer>
 </body>
</html>
```

Yes

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No

## **Question #11**

How many HTML tags are present in the following HTML code?

- <!DOCTYPE html> is not an HTML tag
- <head></head> is considered one HTML tag.

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Holberton School</title>
</head>
<body>
<header>
First HTML page
</header>
<footer>
Holberton School - 2017
</footer>
</body>
</html>
```

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### **Question #12**

In the following code snippet, does the selector called ('#header') access the HTML tag <header>:

```
(using document.querySelector or $(...))?
```

```
<!DOCTYPE html>
<html lang="en">
 <head>
   <title>Holberton School</title>
   <link rel="stylesheet" href="styles/global.css" />
 </head>
 <body>
   <header>
     First HTML page
   </header>
   <section>
     <img src="logo.jpg" alt="" />
     <br />
     Home
       Admission <span class="btn">apply</span>
       Login
     </section>
   <footer>
     Holberton School - 2017
   </footer>
 </body>
</html>
```

Yes

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No

## **Question #13**

In the following code snippet, does the selector called ('body header') access the HTML tag <header>:

(using document.querySelector or \$(...))?

```
<!DOCTYPE html>
<html lang="en">
 <head>
   <title>Holberton School</title>
   <link rel="stylesheet" href="styles/global.css" />
 </head>
 <body>
   <header>
     First HTML page
   </header>
   <section>
     <img src="logo.jpg" alt="" />
     <br />
     <l
       Home
       Admission <span class="btn">apply</span>
       Login
     </section>
   <footer>
     Holberton School - 2017
   </footer>
 </body>
</html>
```

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Yes

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No

## **Tasks**

```
O. No JQuery
mandatory

Score: 0.0% (Checks completed: 0.0%)
```

Write a JavaScript script that updates the text color of the <header> element to red (#FF0000):

- You must use document.querySelector to select the HTML tag
- You can't use the JQuery API

Please test with this HTML file in your browser:

```
guillaume@ubuntu:~/0x15$ cat 0-main.html
<!DOCTYPE html>
<html lang="en">
 <head>
    <title>Holberton School</title>
 </head>
 <body>
    <header>
      First HTML page
    </header>
    <footer>
      Holberton School - 2017
    </footer>
    <script type="text/javascript" src="0-script.js"></script>
 </body>
</html>
guillaume@ubuntu:~/0x15$
```

#### Repo:

```
• GitHub repository: alx-higher_level_programming
```

• Directory: 0x15-javascript-web\_jquery

• File: 0-script.js

#### Done? Help QA Review

1. With JQuery mandatory

```
Score: 0.0% (Checks completed: 0.0%)
```

Write a JavaScript script that updates the text color of the <header> element to red (#FF0000):

- You can't use document.querySelector to select the HTML tag
- You must use the JQuery API

Please test with this HTML file in your browser:

```
guillaume@ubuntu:~/0x15$ cat 1-main.html
<!DOCTYPE html>
<html lang="en">
 <head>
    <title>Holberton School</title>
    <script src="https://code.jquery.com/jquery-3.2.1.min.js"></script>
 </head>
 <body>
    <header>
      First HTML page
    </header>
    <footer>
      Holberton School - 2017
    </footer>
    <script type="text/javascript" src="1-script.js"></script>
 </body>
</html>
guillaume@ubuntu:~/0x15$
```

#### Repo:

```
• GitHub repository: alx-higher_level_programming
```

• Directory: 0x15-javascript-web\_jquery

• File: 1-script.js

#### Done? Help QA Review

2. Click and turn red

Score: 0.0% (Checks completed: 0.0%)

Write a JavaScript script that updates the text color of the <header> element to red (#FF0000) when the user clicks on the tag DIV#red\_header:

- You can't use document.querySelector to select the HTML tag
- You must use the JQuery API

Please test with this HTML file in your browser:

```
guillaume@ubuntu:~/0x15$ cat 2-main.html
<!DOCTYPE html>
<html lang="en">
 <head>
    <title>Holberton School</title>
    <script src="https://code.jquery.com/jquery-3.2.1.min.js"></script>
 </head>
 <body>
    <header>
      First HTML page
    </header>
    <div id="red_header">Red header</div>
    <footer>
      Holberton School - 2017
    </footer>
    <script type="text/javascript" src="2-script.js"></script>
 </body>
</html>
guillaume@ubuntu:~/0x15$
```

#### Repo:

```
• GitHub repository: alx-higher_level_programming
```

- Directory: 0x15-javascript-web\_jquery
- File: 103-script.js