**AJAX**

**Hands-On 1**

Now that you have learned about AJAX, its now time to put that knowledge to work. In this Hands-On exercise, you will create a project which will solidify how these pieces operate when used together. Hands-On projects are completed outside of the browser, using your IDE (i.e., VSCode).

**Requirements**

Using your knowledge of AJAX, create an XMLHttpRequest to change the content of the given code.

You will need the following:

* A function that contains your request
* onclick attribute to call the function
* a separate .txt file to pull the information from.

**index.html** file:

<!DOCTYPE html>

<html>

<body>

<div id="change">

<h1>This is your beginner text</h1>

<button type="button">Change This Content</button>

</div>

<script src="script.js" type="text/javascript"></script>

</body>

</html>

**Grading**

* **Meets all Requirements:** 50% of your grade will be based on meeting the requirements.
* **Timely Submission:** 25% of your grade will be based on having a complete solution on time.
* **Style:** 25% of your grade will be based on having legible, and well-designed code.

Be sure to save your solution, and be prepared to share it with your Instructor or Mentor during your next class, or check-in

**Hands-On 2 (optional)**

Now that you have learned about AJAX, its now time to put that knowledge to work. In this Hands-On exercise, you will create a project which will solidify how these pieces operate when used together. Hands-On projects are completed outside of the browser, using your IDE (i.e., VSCode).

**Requirements**

Leverage your knowledge of AJAX and jQuery to build a web page that allows you to change the content of the page on the click of a button.

You should have the following:

* Header
* Footer
* Image

When the button is clicked, the content in each element should change(i.e. Image should change to another image etc..).

**Grading**

* **Meets all Requirements:** 50% of your grade will be based on meeting the requirements.
* **Timely Submission:** 25% of your grade will be based on having a complete solution on time.
* **Style:** 25% of your grade will be based on having legible, and well-designed code.

Be sure to save your solution, and be prepared to share it with your Instructor or Mentor during your next class, or check-in.

**Hands-On 3 (optional)**

Now that you have learned about AJAX, its now time to put that knowledge to work. In this Hands-On exercise, you will create a project which will solidify how these pieces operate when used together. Hands-On projects are completed outside of the browser, using your IDE (i.e., VSCode).

**Requirements**

Leverage your knowledge of AJAX to create a web page that displays a famous historical figure with a header and a button when clicked displays more information about the historical figure.

For example:

If you chose Einstein, there should be:

* A header with his name,
* A picture of Einstein,
* A button to "Learn More" and
* A paragraph about Einstein that is displayed once the button is clicked.

This will require you to create a separate .txt file to store your information.

**Grading**

* **Meets all Requirements:** 50% of your grade will be based on meeting the requirements.
* **Timely Submission:** 25% of your grade will be based on having a complete solution on time.
* **Style:** 25% of your grade will be based on having legible, and well-designed code.

Be sure to save your solution, and be prepared to share it with your Instructor or Mentor during your next class, or check-in.