jQuery and AJAX

Week 14

What is AJAX?

- AJAX enables seamless communication with a server to retrieve or send data, allowing specific sections of a web page to update dynamically without requiring a full page reload.

- AJAX stands for Asynchronous JavaScript and XML.

jQuery and AJAX

- jQuery offers a variety of tools to implement AJAX features. These methods allow you to retrieve text, HTML, XML, or JSON data from a remote server using either HTTP GET or POST requests, and then seamlessly insert that data into specific elements on your web page.

jQuery load() Method

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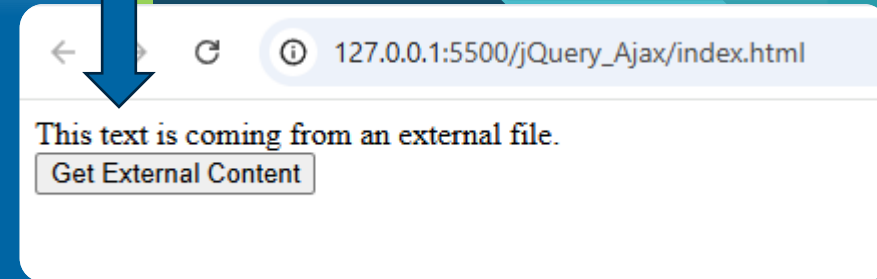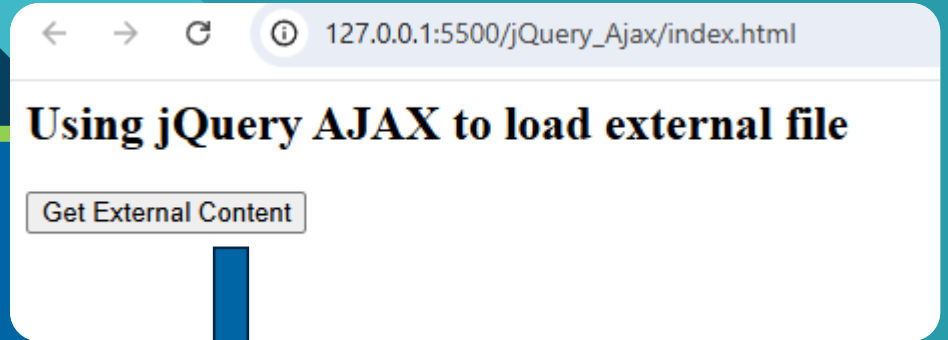
jQuery load() Method

- The **jQuery load() method** is a straightforward yet highly effective AJAX tool. It retrieves data from a server and inserts the response directly into the chosen HTML element.

- Syntax:

  - *$(selector).load(URL, data, callback);*

  - The load() method lets you fetch data from a server and insert it directly into a chosen HTML element — all without refreshing the page.

- selector → The element where the content will be placed

- URL → The server file or resource you're loading

- data (optional) → Key-value pairs sent to the server

- callback (optional) → A function that runs after the content is loaded

Loading a text file

```html
<html>
<head>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
<script>
$(document).ready(function(){
$("button").click(function(){
$("#container").load("content.txt");});});</script></head>
<body>
<div id="container"><h2>Using jQuery AJAX to load external file</h2></div>
<button>Get External Content</button>
</body>
</html>
```

Loading an HTML page

Using jQuery AJAX to load external file

Get External Content

```
<html>
<head>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
<script>
$(document).ready(function(){
$("button").click(function(){
$("#container").load("test.html");});});</script></head>
<body>
<div id="container"><h2>Using jQuery AJAX to load external file</h2></div>
<button>Get External Content</button>
</body>
</html>
```
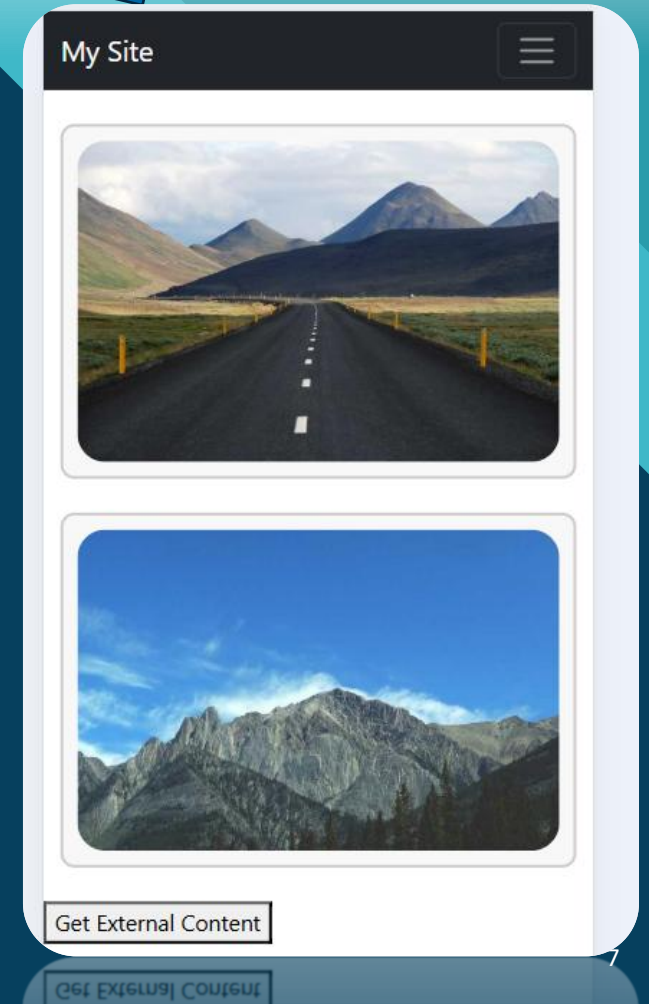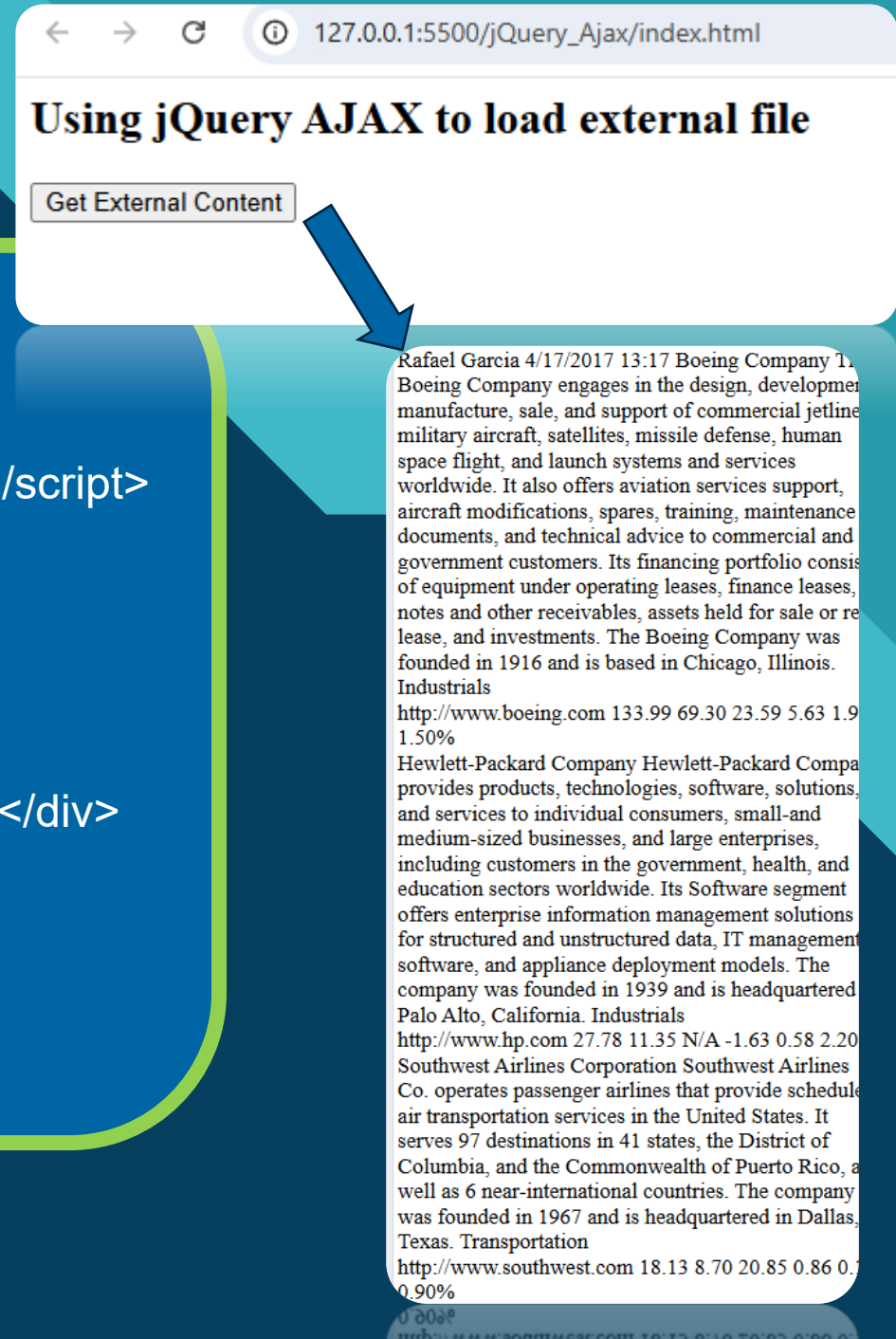
My Site

Get External Content

Loading an XML page

Using jQuery AJAX to load external file

Get External Content

```html
<html>
<head>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
<script
$(document).ready(function(){
$("button").click(function(){
$("#container").load("portfolio.xml");});});</script></head>
<body>
<div id="container"><h2>Using jQuery AJAX to load external file</h2></div>
<button>Get External Content</button>
</body>
</html>
```

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Reference

https://www.w3schools.com/jquery/jquery_ajax_intro.asp