ASSIGNMENT 7

The following assignment will demonstrate your ability to do the following:

1. Download and use jQuery locally
2. Use a CDN to access jQuery remotely
3. Convert plain JavaScript code to jQuery code
4. Do jQuery Code School
5. Optional: Bonus – Selectors, Events and Effects

Part 1: Getting jQuery

Objectives:
- Know where to get jQuery library from
- Know how to include the jQuery library on your page(s)
- Know the difference between a **hosted library** and **local library** and the various versions
- Test a simple jQuery script

Local jQuery (uncompressed):

1. Create a new folder on your computer named "part1a"
2. Create a sub-folder named "scripts"
3. Go to http://www.jquery.com
4. Download the **uncompressed**, development jQuery (v1.11.3) file to your computer
5. Save the jQuery file in the "scripts" folder
6. Open the "assignment07-part1.zip" file and unzip the "index.htm" file to the "part1a" folder on your computer
7. Open the "index.htm" file in your editor.
8. Modify the page by creating the correct link/script tag to include the **local** jQuery file you just downloaded.
9. Test the file.
10. The page should slowly display "Welcome to jQuery!" and then fade out the text.
11. If the page does not do anything check your link to the jQuery file.
12. REQUIRED: Upload this folder and all of the files to your "assignment07/part1a" directory on your remote web site.

Local jQuery (compressed):

1. Create a new folder on your computer named "part1b"
2. Create a sub-folder named "scripts"
3. Go to http://www.jquery.com
4. Download the **compressed**, production jQuery (v1.11.3) file to your computer
5. Save the jQuery file in the "scripts" folder
6. Open the "assignment07-part1.zip" file and unzip the "index.htm" file to the "part1b" folder on your computer
7. Open the "index.htm" file in your editor.
8. Modify the page by creating the correct link/script tag to include the **local** jQuery file you just downloaded.

9. Test the file.
10. The page should slowly display "Welcome to jQuery!" and then fade out the text.
11. If the page does not do anything check your link to the jQuery file.
12. REQUIRED: Upload this folder and all of the files to your "assignment07/part1b" directory on your remote web site.

Remote jQuery on CDN (compressed):

1. Create a new folder on your computer named "part1c"
2. Go to http://www.jquery.com
3. Click on the "Download" link
4. Scroll down to the section titled "Using jQuery with a CDN"
5. Copy the <script> tag for just "jquery-1.11.3.min.js"
6. Open the "assignment07-part1.zip" file and unzip the "index.htm" file to the "part1c" folder on your computer
7. Open the "index.htm" file in your editor.
8. Modify the page by placing the link/script tag to include the remote jQuery file.
9. Test the file.
10. The page should slowly display "Welcome to jQuery!" and then fade out the text.
11. If the page does not do anything check your link to the jQuery file.
12. REQUIRED: Upload this folder and all of the files to your "assignment07/part1c" directory on your remote web site.

Remote jQuery on CDN (latest version):

1. Create a new folder on your computer named "part1d"
2. Open the "assignment07-part1.zip" file and unzip the "index.htm" file to the "part1d" folder on your computer
3. Open the "index.htm" file in your editor.
4. Modify the page by placing the link/script tag to include the remote jQuery file.
5. The link is: http://code.jquery.com/jquery-latest.min.js
6. Test the file.
7. The page should slowly display "Welcome to jQuery!" and then fade out the text.
8. If the page does not do anything check your link to the jQuery file.
9. REQUIRED: Upload this folder and all of the files to your "assignment07/part1d" directory on your remote web site.

BONUS: Remote jQuery with fallback plan:

1. Create a new folder on your computer named "part1bonus"
2. Open the "assignment07-part1.zip" file and unzip the "index.htm" file to the "part1bonus" folder on your computer
3. Open the "index.htm" file in your editor.
4. Create a "scripts" folder and copy a compressed version of jQuery to it.
5. Modify the page by placing the link/script tag to include the remote jQuery file and include JavaScript code to use a local version of jQuery if the CDN is not found/loaded.
6. The link is: http://code.jquery.com/jquery-latest.min.js
7. Test the file.
8. The page should slowly display "Welcome to jQuery!" and then fade out the text.
9. If the page does not do anything check your link to the jQuery file.

Part 2: Convert plain JavaScript to jQuery

Objectives:
- Get familiar with jQuery selectors by converting plain JavaScript
- Get familiar with jQuery events by converting from plain JavaScript
- Understand jQuery logic vs JavaScript logic
- Add jQuery code to a page from scratch

Open the file named "assignment07-part2.zip". It contains 12 html files and 2 images. Open the files in your editor and follow the instructions in the comments in the <script></script> section of each page.

1. Convert the existing plain JavaScript code to jQuery where you deem appropriate.
2. Include the jQuery library in the correct location of the pages.
3. Use a local copy of the uncompressed jQuery library.
4. REQUIRED: Upload the files to your "**assignment07/part2**" directory on your remote web site.

NOTE: You may want to work on Part 3 before this section.

When complete with all sections: Submit the URL of your work to the Assignment 07 section of the EagleOnline site.

Part 3: Code School – try.jquery.com

Objectives:
- Introduce student to http://try.jquery.com
- Complete Chapter 1 and Chapter 2 of Code school
- Post your total Level Points to the comments section of Eagle Online

Go to http://try.jquery.com

1. Click the "Play Now For Free" button
2. Do all of Chapter 1 – Introduction to JQuery
   1. Watch the videos and review the slides
   2. Use the "Guide" in the beginning to get familiar with the interface
   3. Use the "Hints" tab if you get stuck on a problem
3. Do all of Chapter 2 – Traversing the DOM
   1. Watch the videos and review the related slides
   2. Use the "Hints" tab if you get stuck on a problem
4. When you have completed both chapters post your Level Points in the comment or edit box of Eagle Online Assignment 7 section.

If unable to complete the try.jquery.com exercises due to technical difficulties try a different computer. If still unable to do the exercises then skip this part.

BONUS: jQuery Selectors, Events and Effects

Objectives:
- Know what a **Selector** is and how to use and manipulate them
- Know what an **Event** is and how to use them
- Know what an **Effect** is and how to use them

Open the file named "assignment07-bonus.zip". It contains 1 file named "aboutyou.htm". Open the file in your editor and follow the instructions in the comments at the top of the page.

1. The form asks the user for their name, the price of their coffee and to list 3 interesting facts about them.
2. When the user clicks the "Next" button it will:
   1. Hide the form
   2. Slide up/show the information summary
   3. Display their name in the <span> of the <h2></h2> tag
   4. Add the sales tax of 8.25% to the price of their coffee and display the total
   5. List the 3 interesting facts about them using tags
   6. Use jQuery selectors to display the values in the appropriate places
   7. Use the jQuery event to capture the button click
   8. Use jQuery effect(s) to transition from the form to the information summary
   9. HINT: Use the existing <span> tags and ids
3. NOTE: The information summary page will need to be hidden when the form is displayed.
4. The image "aboutyou-DEMO.gif" is a motion demonstration of the page.
5. REQUIRED: Upload this file to your "**assignment07/bonus**" directory on your remote web site.

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When complete with all sections: Submit the URL of your work to the Assignment 07 section of the EagleOnline site.

References:

http://www.dotnetcurry.com/jquery/1020/jquery-cdn-fallback-best-practices

http://martineau.tv/2013/06/two-versions-of-jquery/

http://www.paulirish.com/2010/the-protocol-relative-url/

https://code.jquery.com/

https://developers.google.com/speed/libraries/

http://www.jquery-tutorial.net/introduction/getting-started/