

Queensborough Community College
Engineering Technology
Course: ET-710 Section: FN4
Instructor: Prof. J. Sun

Laboratory Project 2
Introduction to Expression Web

Created By: Michael Lawrence
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Grade: _____

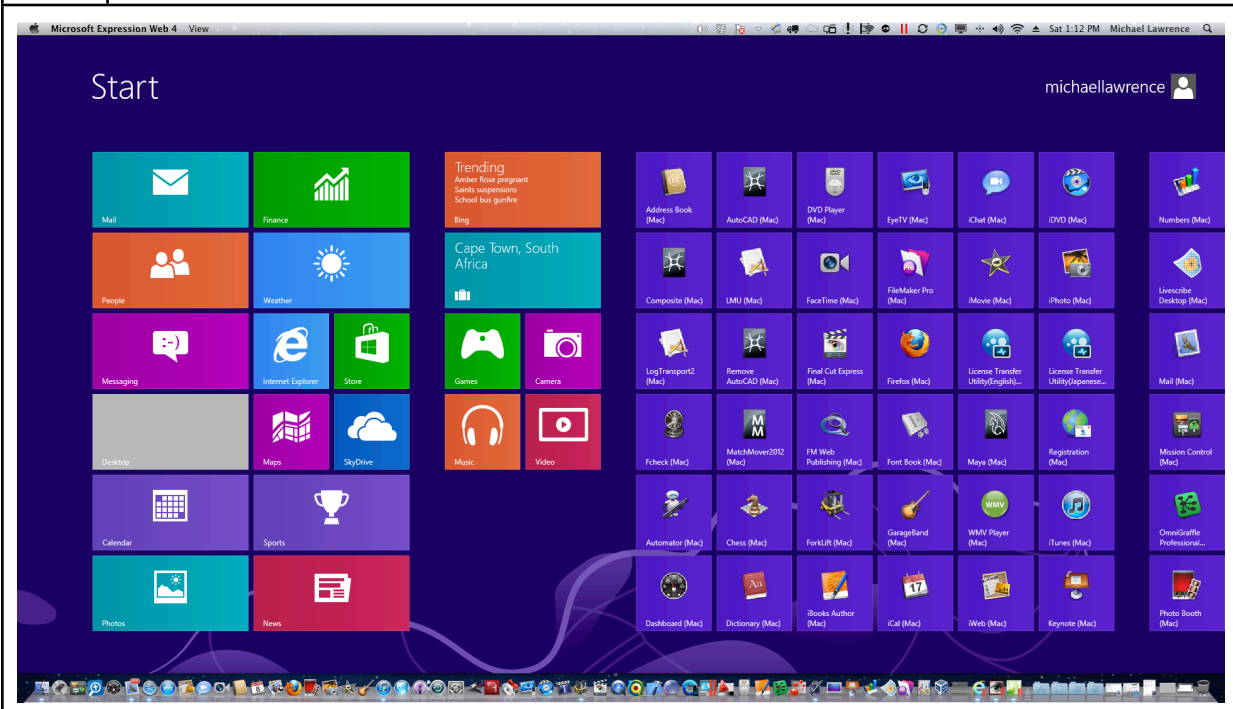
Challenge:

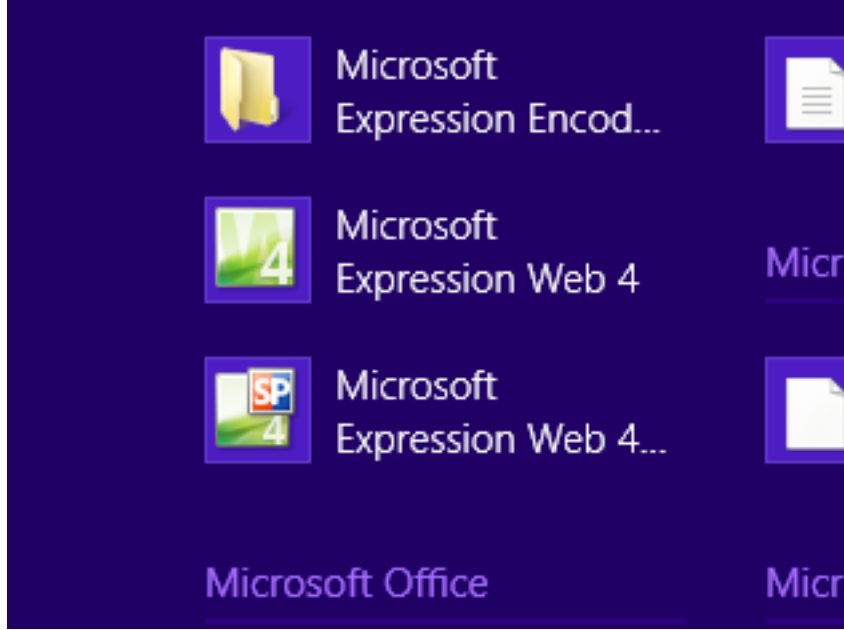
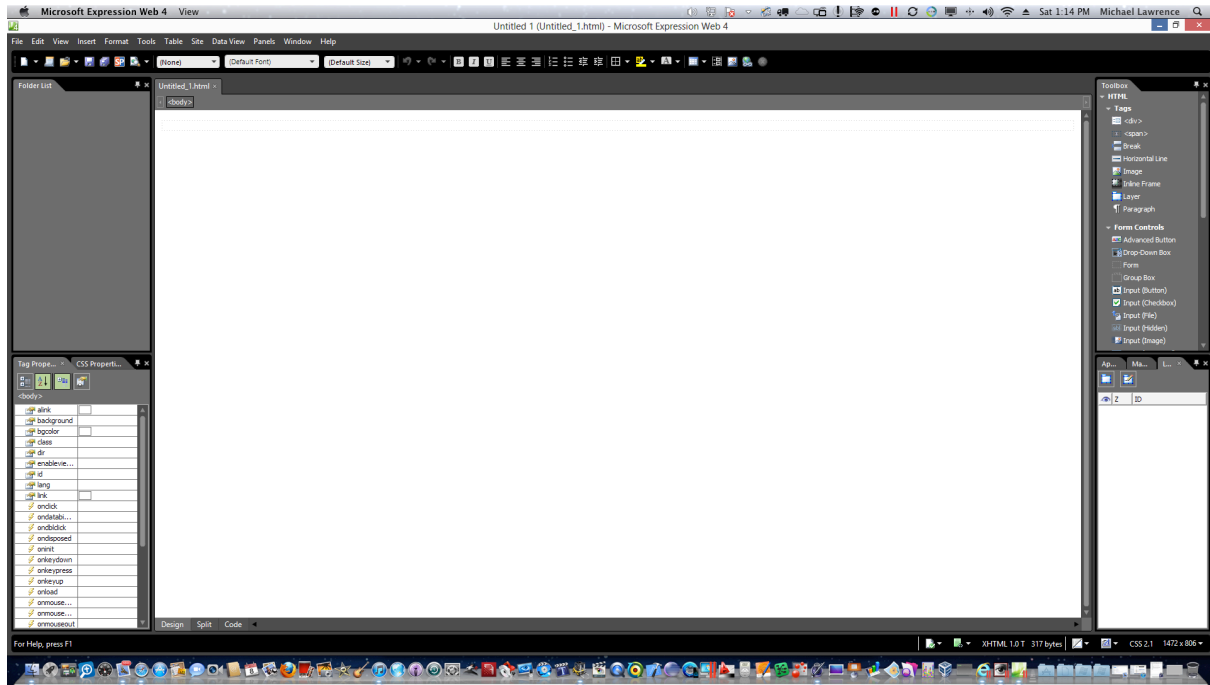
In this project, you will learn to create an HTML web page using Expression Web. You will need to include a paragraph about yourself, which should include the following topics: * title of the page * your name * major of your study * any previous experience using Expression Web and/or web related application(s) * whatever information you would like to share on your web site. Make sure to format the text and save your work as Project_2.htm.

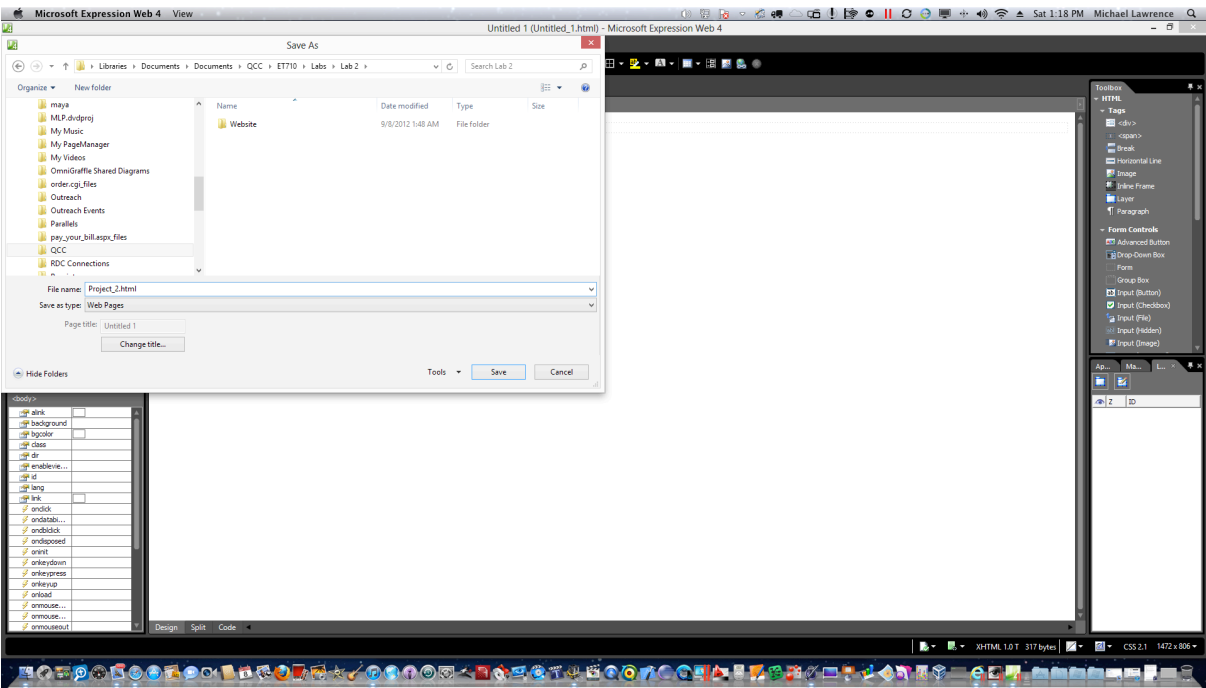
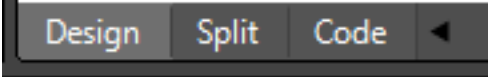
Summary:

Laboratory Project 2 provided an opportunity to experiment with the different capabilities, menus and tool pallets of Expression 4. In the discussion below a very simple page is created with a title and a paragraph. Various pallets were used from the design view to “craft” an interesting web page. Two pages were created. Project_2.html explored the use of background color. Project_2a.html explored the use of images and text color. Expression Web was run on a Mac in a Windows 8 virtual machine.

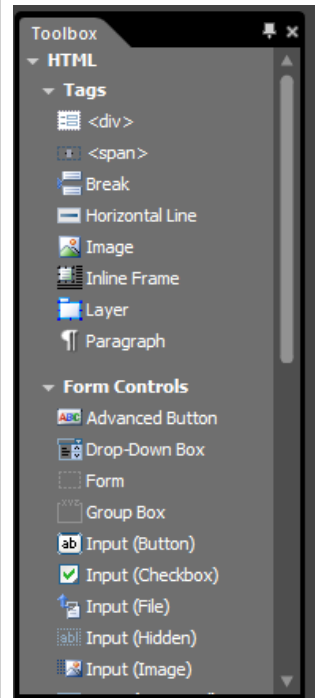
Step	Discussion
1	Run Windows 8 as a virtual machine on the Mac.



Step	Discussion
2	<p>Launch Expression Web - Right click in open space. Chose APPS and select Microsoft Expression Web 4, which will be referred to as MSEW.</p> 
3	<p>Save the untitled file as Project_2.html - Click on <File><Save> to open the file dialogue to save a file. Navigate to the desired directory. rename the file "Project_2.html and select "Save".</p> 

Step	Discussion
	
4	<p>Select The View Mode - Located on the bottom left of the main window are three tabs: Design, Split and Code. These tabs select the information displayed in the main window. The Design tab allows for interactive placement of text and graphical elements in the main much like in a MS Word document. As elements are added to the design view the corresponding HTML is generated. That code can be viewed by selecting the Code tab. The Split tab displays both the Design view and the Code view together. Since the purpose of the challenge was to explore MSEW not the HTML language it was decided to stay in Design View until the design was near completion before examining code view. In that way the emphasis was placed on the MSEW tools.</p> 

Step	Discussion
5	<p>The project scope requires a single text element to be placed on the page, a short paragraph. In the design view there is blinking cursor indicating a place to type text. The lab objective could be met by simply typing the paragraph there.</p> <p>However there were several curious pallets bordering the design window. On of which is titled Toolbox and contains drag-able HTML tags. After further examination it was discovered that a more interesting page could be developed by dragging the tags from the toolbar into the design window. Of particular interest were the <div> and Layer tags as they allowed for precise position of text on the page.</p> <p><div> was dragged to the top left corner to contain the heading “About Mike Lawrence”.</p> <p>Layer was dragged as an indented text area to the heading to contain the paragraph.</p> <p>I prefer a white web page like the www.apple.com. However for the purpose of experimentation colors and pictures were added. Colors, pictures, font sizes line sizes are selected via menus and tool pallets. the results are displayed and the appropriate code added.</p>



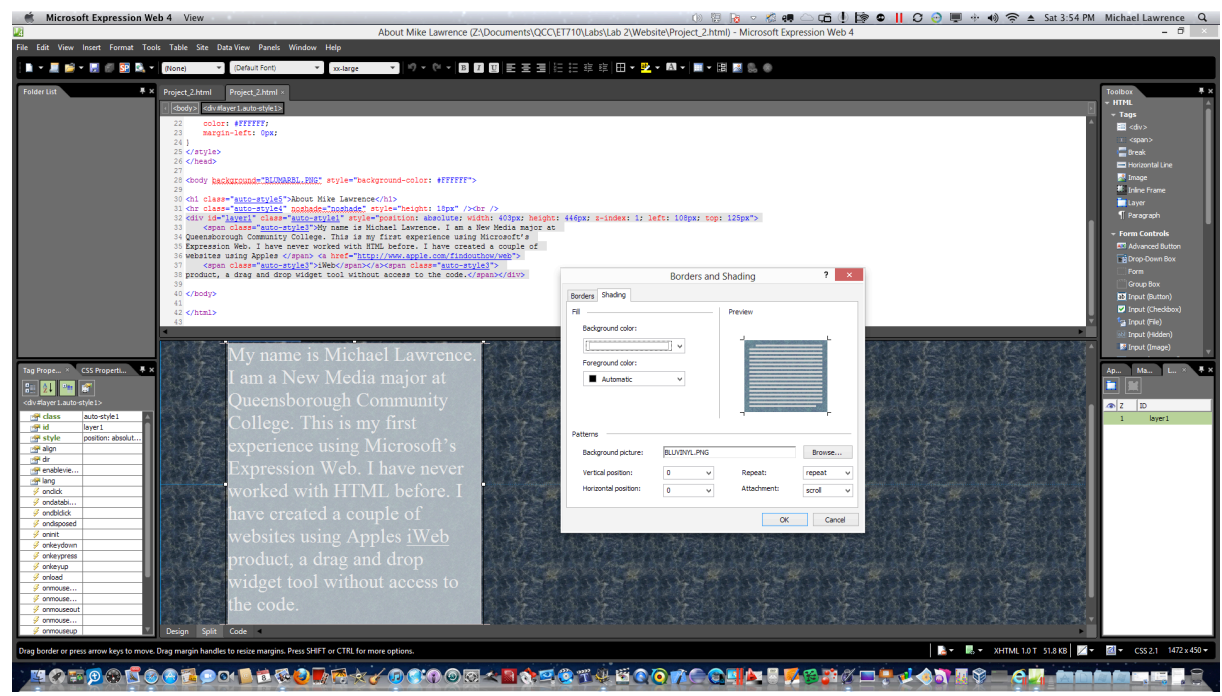

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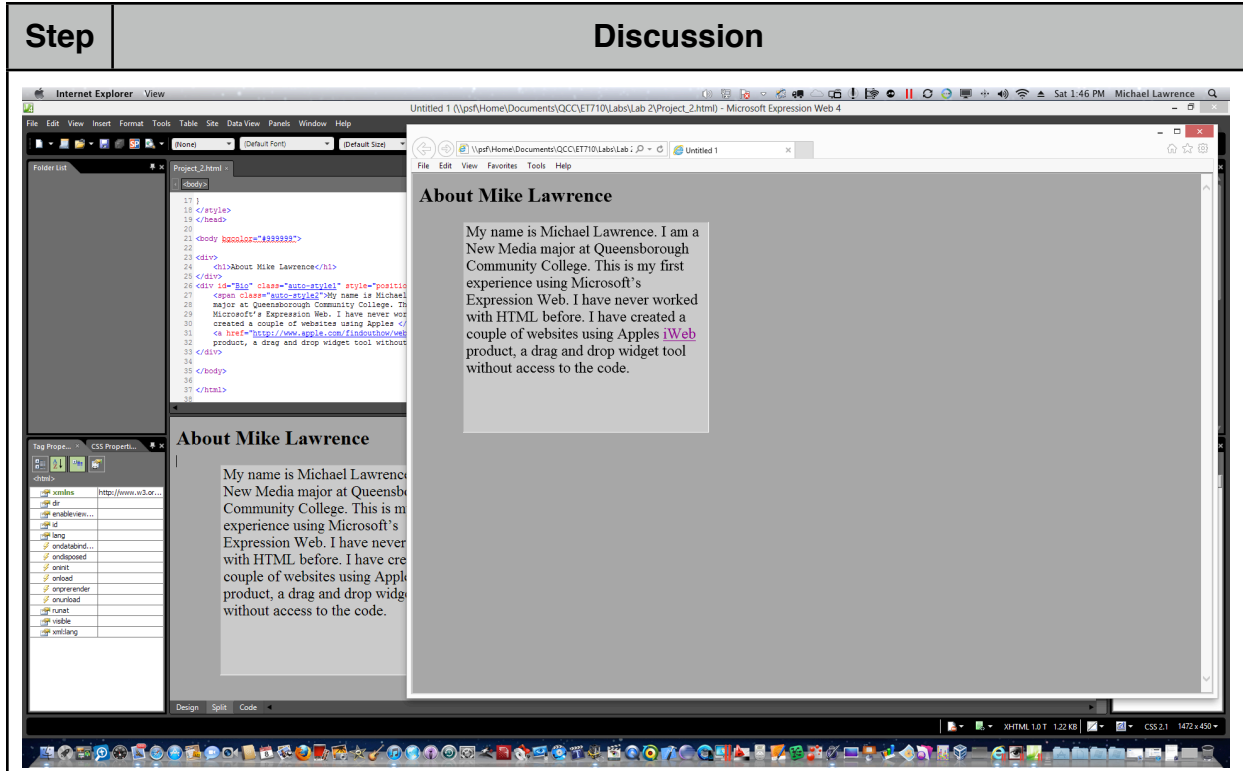
Project_2.html
1 <body>
2
3
4 <head>
5 <meta content="en-us" http-equiv="Content-Language" />
6 <meta content="text/html" charset=utf-8" http-equiv="Content-Type" />
7 <title>Untitled 1</title>
8 </head>
9
10 <body>
11
12 <div>
13 <h1>About Mike Lawrence</h1>
14 </div>
15 <div id="layer1" style="position: absolute; width: 381px; height: 330px; z-index: 1; left: 138px; top: 110px">
16 My name is Michael Lawrence. I am a New Media major at Queensborough
17 Community College. This is my first experience using Microsoft's Expression
18 Web. I have never worked with HTML before. I have created a couple of
19 websites using Apples <a href="http://www.apple.com/findouthow/web">Web</a>
20 product, a drag and drop widget tool without access to the code. </div>
21
22 </body>
23
24 </html>
25
    
```

About Mike Lawrence

My name is Michael Lawrence. I am a New Media major at Queensborough Community College. This is my first experience using Microsoft's Expression Web. I have never worked with HTML before. I have created a couple of websites using Apples [iWeb](http://www.apple.com/findouthow/web) product, a drag and drop widget tool without access to the code.

Step	Discussion
6	<p>Experimentation with colors and images - It was discovered that one way MSEW implements tag attributes such as colors, images, line style and fonts is by using the <style> tag in the header. A second file, Project_2a.html, was added to focus on adding images. When color and images were inserted, the following <style> tag was added to the header.</p> <pre data-bbox="402 499 976 1020"> <style type="text/css"> .auto-style1 { background-color: #FFFFFF; background-image: url('BLUVINYL.PNG'); } .auto-style3 { font-size: xx-large; color: #FFFFFF; } .auto-style4 { color: #FFFFFF; padding-top: 14px; } .auto-style5 { color: #FFFFFF; margin-left: 0px; } </style> </pre> <p>The .auto-style# was then referenced in the body with various tags. For example, the heading tag referenced .auto-style5 to adjust color and position.</p> <pre data-bbox="402 1171 1000 1199"> <h1 class="auto-style5">About Mike Lawrence</h1> </pre> <p>Similarly .auto-style1 was referenced by the div layer to provide an image and text color.</p> <pre data-bbox="402 1346 1365 1602"> <div id="layer1" class="auto-style1" style="position: absolute; width: 403px; height: 446px; z-index: 1; left: 108px; top: 125px"> My name is Michael Lawrence. I am a New Media major at Queensborough Community College. This is my first experience using Microsoft's Expression Web. I have never worked with HTML before. I have created a couple of websites using Apples iWeb product, a drag and drop widget tool without access to the code.</div> </pre> <p>In Design View the attributes are set in Tag Property Pallet or the Layer Pallet's Borders and Shading dialogue as shown in the next screen shot. Two different images were assigned as attributes to the Layer and the Background. The Layer text color was set to white and the size increased via the drop-down toolbar menus. A line was added between the heading and he paragraph by dragging the line icon from the tool pallet and adjusting its attributes.</p>

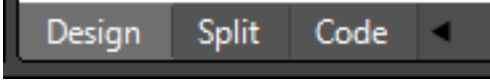
Step	Discussion	
		
<p>7</p>	<p>Previewing Work - The Display View cannot display all web page elements. It is accurate for viewing HTML but not HTML and, for example, JavaScript. It is necessary to preview code in an actual browser. MSEW has built in support to launch several different browsers to view how the code displays in them. It is possible to launch IE, Chrome, Firefox, etc. and critique how the code displays in each. In this Lab we used IE 9.10 via the toolbar icon to the right.</p>	


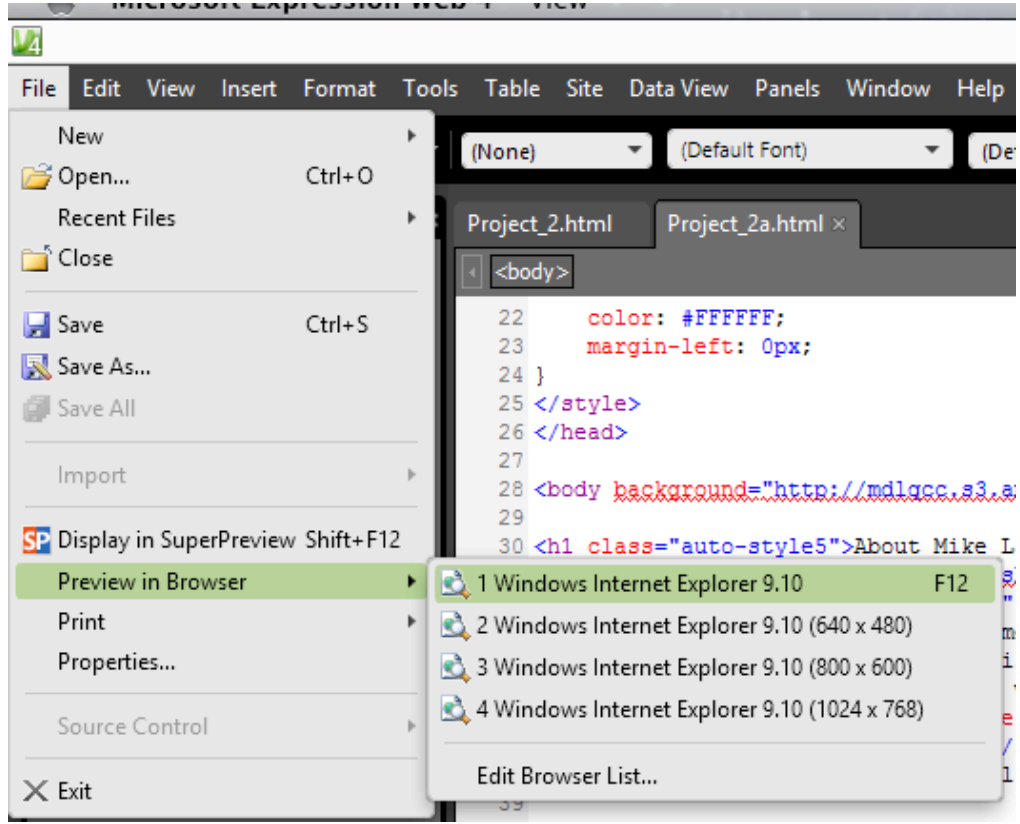


8 **Conclusions:** MSEW is very powerful visual programming environment that gives the programmer complete control over the code. The programmer has the choice of using the attribute tool palettes and other GUI resources or directly coding. All of the attributes that could be set in code can be selected from the various palettes and menu choices.

Because Project_2a.html has images, those images were placed on a server in Amazon S3 for easy access. Also a web archive containing the images was made, "AboutMikeLaawrence.html", so that the file could be viewed without internet access. It was created by saving "Project_2a.html" from a Safari browser using the web archive option.

Critical Thinking Questions:

Critical Thinking Questions And Answers	
Question 1	What are the view features in Expression Web?
Answer	<p>The view features in Expression Web allow the user to view either the Design View, the Code View or Both Views. Located on the bottom left of the main window are three tabs: Design, Split and Code. These tabs select the information displayed in the main window. The Design tab allows for interactive placement of text and graphical elements in the main much like in a MS Word document. As elements are added to the design view the corresponding HTML is generated. That code can be viewed by selecting the Code tab. The Split tab displays both the Design view and the Code view together.</p> 
Question 2	How to change text color and background color?
Answer	The programmer can from code view insert the appropriate HTML tag attributes for text color and background color or from design view, let MSEW handle it via the pallets and style tags as outlined in Step 6 of the discussion above.
Question 3	What are the three ways to open a web file?
Answer	<p>1) Outside of MS Expression Web (MSEW) from the file system, double clicking the ".html" icon will launch it in the default application associated with its filetype. If MSEW is the default application for the .HTML extension the file will open in MSEW.</p> <p>1a) If MSEW is not the default application, it can be selected to pen the file by right clicking the file icon and selecting "<Open With> MS Expression".</p> <p>2). The .HTML can be opened from inside MSEW from the <File><Open> menu by selecting it.</p> <p>3) The .HTML the MSEW <Sites> menu.</p>
Question 4	How to run/preview a web page in Expression Web?

Critical Thinking Questions And Answers	
Answer	<p>Preview is run by 1) pressing F12 or 2) clicking the tool bar icon  or 3) the menu selection <File> <Preview in Browser></p>  <p>The screenshot shows the Microsoft Expression Web 4 interface. The 'File' menu is open, and 'Preview in Browser' is highlighted. A sub-menu is visible, listing four browser options: 1 Windows Internet Explorer 9.10 (F12), 2 Windows Internet Explorer 9.10 (640 x 480), 3 Windows Internet Explorer 9.10 (800 x 600), and 4 Windows Internet Explorer 9.10 (1024 x 768). The background shows a code editor with HTML and CSS code.</p>
Question 5	How to request help in Expression Web?
Answer	Help is requested by pressing F1 or by going to the <Help> Menu item.