Week 8 Tutorial

This tutorial includes Exercise8 + Lab8. This tutorial is part of your assessment task 1. Please submit your completed work in ZIP format onto Moodle.

Note: Submit your ZIP file in your respective lecturer's tutorial submission link for marking and feedback.

Exercise 8: Adding Audio to a Webpage

Instructions: In this exercise, you will use your text editor to add audio to a webpage. Insert an audio element and three source elements. Work with the exercise08.html file and audio files which can be found on Moodle week 8. The completed webpage is shown in Figure 8-1. You will also use professional web development practices to indent, space, comment, and validate your code.

Figure 8-1

Perform the following tasks:

1. Open **excersie08.html** in your text editor, review the page, add a title, modify the comment at the top of the page to include your name and today's date, and replace "Student's Name" with your name in the footer element.
2. Insert an **audio** element below the **figure** element.
3. Set the **audio** element to play automatically and to repeat continuously.
4. Insert three **source** elements within the **audio** element and use the three audio files contained within the Week8/media folder.
5. Include a paragraph element within the **audio** element that advises legacy browser users that their browser does not support the **audio** element.
6. Save all of your changes and open the **excercise08.html** in your browser.

7. Validate your HTML document using the W3C validator found at validator.w3.org and fix any errors that are identified.
8. Insert an audio element below the figure element.
9. Set the audio element to play automatically and to repeat continuously.
10. Insert three source elements within the audio element and use the three audio files contained within the apply\media folder.
11. Include a paragraph element within the audio element that advises legacy browser users that their browser does not support the audio element.
12. Save all of your changes and open the exercise08.html in your browser.
13. Validate your HTML document using the W3C validator found at validator.w3.org and fix any errors that are identified.
14. Submit the files in a format specified by your lecturer.

Week8 Lab: Adding Video to a Food Bank Website

Problem: You volunteer at a local food bank called New Harvest Food Bank that collects community food donations and provides food and other services to those in need. You have already created a responsive website but now need to add a video to the home page to attract volunteers. You also need to format the video on the page. Create and style the video as shown in Figure 8–2.

Figure 8-2

Instructions: Perform the following tasks:
1. Download the whole contents of Lab08 folder from Moodle Week 8 and save them on your local drive.
2. Open your text editor and then open the **index.html** document from the Lab08 folder and update the comment at the top of the page to include today's date.

3. In the **main** element of the index.html document, insert a **video** element with **autoplay** and **controls** attributes.
4. Specify the following three source files within the **video** element and insert the appropriate **type** attribute and value for each source.

```
src="media/volunteer.mp4"
src="media/volunteer.ogg"
src="media/volunteer.webm"
```

5. Create a paragraph element below the source elements with text that states **Your browser does not support the video element**.
6. Wrap the video element in a div element and include a `class="video"` attribute and value.
7. In the **fbstyles.css** file, update the comment with today's date, and then create the following new style rules above the media queries and include comments for each:

```
.video {
text-align: center;
padding: 1em;
}

video {
border: 0.2em solid #FF6600;
height: auto;
max-width: 100%;
}
```

8. Save all files, open the index.html page within a browser, and then view the page, as shown in Figure 8–2.
9. Validate your HTML code and fix any errors.
10. Validate your CSS code and fix any errors.
11. Submit your assignment in the format specified by your lecturer.