

CA106 Web Design –F2F Session CA1

Thursday & EC1 Friday 3:00 to 5:00

Week 4 F2F

Introduction.

This lab aims to introduce you to adding multimedia files to you HTML file. You will look at <Audio>, <video> and <iframe> tags. Create a directory called week 4 and save your work there.

Multimedia and embedding – Task 1

In this task I want you to embed a simple audio file onto the page. You need to:

- Add the path to the audio file to an appropriate attribute to embed it on the page. The audio is called **sample_audio.mp3**, and it is in a folder inside the current folder called **mediasamples**
- Add an attribute to make browsers display some default controls.
- Add some appropriate fallback text for browsers that don't support **<audio>**.
Try updating the live code below to recreate the finished example:

This is the starting code to get you up and running

```
<!DOCTYPE html>

<html lang="en">
  <head>
    <meta charset="utf-8"/>
    <title>Media/embedding: Task 1</title>

  <style>
    body {
      background-color: #fff;
      color: #333;
      font: 1em / 1.4 Helvetica Neue, Helvetica, Arial, sans-serif;
      padding: 1em;
      margin: 0;
```

```
    }

* {
    box-sizing: border-box;
}

audio {
    border: 1px solid black;
}

</style>
</head>

<body>

<h1>Basic audio embed</h1>

<audio>

</audio>

</body>
</html>
```

Multimedia and embedding - Task 2

In this task I want you to mark up a slightly more complex video player, with multiple sources, subtitles, and other features besides. You need to:

- Add an attribute to make browsers display some default controls.
- Add some appropriate fallback text for browsers that don't support **<video>**.
- Add multiple sources, containing the paths to the video files. The files are called **rabbitmp4.mp4** and **rabbitwebm.webm**, and are in a folder inside the current folder called **mediasamples**.
- Let the browser know in advance what video formats the sources point to, so it can make an informed choice of which one to download ahead of time.
- Give the **<video>** a width and height equal to its intrinsic size (320 by 240 pixels).
- Make the video muted by default.

Again you can copy and paste this file into your editor as a starting point

```
<!DOCTYPE html>
```

```
<html lang="en">
<head>
  <meta charset="utf-8"/>
  <title>Media/embedding: Task 2</title>

<style>
  body {
    background-color: #fff;
    color: #333;
    font: 1em / 1.4 Helvetica Neue, Helvetica, Arial, sans-serif;
    padding: 1em;
    margin: 0;
  }
  * {
    box-sizing: border-box;
  }
  video {
    border: 1px solid black;
  }
</style>
</head>
<body>
  <h1>Video embed</h1>

  <video>
  </video>

</body>
</html>
```

Multimedia and embedding Task 3

For this final task you have two tasks to do:

- Embed a PDF into the page. You can choose any PDF file you have on your own machine.
- Make sure you leave some white space between the embedded objects that follow:
 - Go to the following sharing sites, YouTube and Google Maps, and embed a video and interactive map item into the page.

Try updating the live code below to recreate the finished example:

```
<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8"/>
<title>Media/embedding: Task 3</title>

<style>
    body {
        background-color: #fff;
        color: #333;
        font: 1em / 1.4 Helvetica Neue, Helvetica, Arial, sans-serif;
        padding: 1em;
        margin: 0;
    }

    * {
        box-sizing: border-box;
    }
</style>
</head>

<body>
    <h1>Embedding</h1>

    <!-- PDF embed here -->

    <hr><br>

    <!-- embed YouTube video here -->
<hr><br>
    <!-- embed google map here -->

</body>
</html>
```

Test that your html files work on your local machine, once your happy with that transfer your files across to the student server and test them again.

If you finish early you should look at any of the sample programs from the last couple of weeks and try typing them up to familiarise and reinforce your understanding of HTML.