# *Web Programming I (420-C10-HR)*

# *Lab 12 – Multimedia*

Date assigned: Tuesday, November 17, 2015

Date due: **Tuesday, November 17, 2015, 11:55 p.m.**

**Learning Objectives**

Upon successful completion of this lab exercise, the student will be able to:

* Capture and edit digital photographs
* Capture digital video and sound
* Create a video production, including video transitions and titles
* Add audio and video to a web page

To do:

**Lab Set-Up**

1. Create a folder in your H:\420-C10\Labs folder called **YourUserName\_C10\_L12\_Multimedia**.
2. Using one of the digital cameras or your phone, take a picture of 4 of the students (individually) in the class using a digital camera. The pictures will be used to represent staff members of Happy Valley Kennel. Transfer the images to the folder for this lab. **Make sure the images are consistent in their look and feel.** That is, make sure that, if they are head shots, they are all head shots. Remember, keep it professional. Most people images are taken in portrait mode, but that is NOT a requirement as long as there is consistency
3. Using one of the video cameras, your phone or one of the tablets, record a short testimonial from 3 other (different) students, who are playing the roles of satisfied customers. The videos should be between 10 and 45 seconds long. Have some fun with it, but stay professional. The following are examples of what can be said:
   1. The staff at Happy Valley Kennel is always very helpful.
   2. My dog loves to go to Happy Valley Kennel.
   3. The location is beautiful.
   4. We will be back again.
   5. HVK is the best kennel we have ever used.

Optionally, ONE (and only one) of the testimonials can be an animated (NOT anime) character.

These video files will be used as testimonials on the Happy Valley Kennel web site.

After recording your videos, if you are using one of the video cameras, connect the video camera to the computer using the USB cable.

1. Select the USB connect on the RIGHT HAND SIDE of the Video recorder
2. Copy the media files you just created to your desktop or H drive. There should be 3 mpeg files to copy with the file name something like: M2U000xx.mpg

After recording your videos, if you are using one of the Nexus tablets, connect the tablet to the computer using the USB cable.

1. Select the USB cable to the bottom of the tablet and plug it in to the desktop PC. If the tablet does NOT connect as a Media Device let me know and I will fix it.
2. Open up Windows Explorer and the Nexus 7 device should appear as a device. Select the device and click on Internal Storage -> DCIM -> Camera. Your video recordings will be located in this folder. Copy them to your H drive (or C drive if you have no room on the H drive).

Open Windows Live Movie Maker by selecting Start=>All Programs=>Movie Maker. You should be able to drag and drop the movie file you created to the editing area on the right hand side.

1. Borrow one of the headsets or microphone. Plug it into a PC into the audio device. Start=>All Programs=> Accessories=>Sound Recorder. To begin recording, click **Record** (the red circle). To stop recording, click **Stop** (the black rectangle). Optionally you can use one of the Nexus tablets and use the “Smart Voice Recorder” app to record.

Record the following text (or something similar): “Welcome to Happy Valley Kennel. We are pleased to offer your pets a comfortable, safe home away from home. Listen to what our satisfied customers have to say.”

This audio file will be used as part of the video on Happy Valley Kennel. Save the file as intro.wav in the folder for this lab. If you used the Nexus 7 tablet to record, you will need to connect the device to the desktop using the USB cable. From the desktop select Internal Storage=>SmartVideoRecorder and copy the file from there

Listen to the file to make sure that the volume is okay.

1. Now we will work with the images do the following steps:
   1. Rename them to one of the following names: brent, charlie, michelle, or sam. (you probably want to keep a copy of them)
   2. Start Windows Live Photo Gallery (or other photo editing software) and drag the photos you took to the gallery. For each of the photos you took:
      1. Double click the photo to select it.
      2. Select Crop to remove any unnecessary background.
      3. Select Properties=>Resize and choose Smaller. Files must be saved under 100K in size.

NOTE: If you wish to transfer these pictures to your laptop and make the changes using Photoshop or other tool then you may do so; however, the requirements for the pictures (sizes and picture names) remain the same.

1. Download at least 3 different copyright free images of dogs from one of the following websites (or similar free picture website): <http://www.copyright-free-pictures.org.uk/animals/dogs/index.htm> or <http://www.educationalresource.info/dog-breeds/dog-breeds-index.htm> and save them in the folder for this lab. The images will be used as part of the video on Happy Valley Kennel.
2. Use Windows Live Movie Maker or other tool to create a video as follows:
   1. Drag or import the intro.wav audio clip.
   2. Drag or import the 3 video clips.
   3. Import the dog images.
   4. Add a title with the words Happy Valley Kennel at the beginning of the movie. Set the title animation, font and color to match your website colours.
   5. Drag the intro.wav audio clip to the timeline.
   6. Add the images of the dogs to display while the introduction is playing. Adjust the length of time the images are displayed to match the length of the introduction.
   7. Add the 3 videos.
   8. Add appropriate video transitions between the videos. You may need to edit the videos a little bit.
   9. Add a title with the words “Hope to See You Soon” or similar at the end, and set the title animation, font and color to be the same as the title at the beginning (and match your website).
   10. If desired, search the Internet for free dog sounds and add them to the end of the video, while the title is displayed.
   11. Save the movie file as hvk.wmv, hvk.mp4, hvk.ogg and/or hvk.webm in the folder for the lab. THIS CANNOT BE DONE IN HiDef. High definition movies are too big for the website. Movie Maker has the ability to “Save for Email”. That is the one I would use. It will save the movie as an mp4.

**NOTE:** If you would rather use other technology to complete the movie, you are welcome to. I do not care what technology you us as long as the requirements for the movie are met AND you can add your movie to a web page using a video tag. So, before you go too far you should check that you can add your “different” technology to a web page using a standard HTML5 codec.

I REPEAT YOU MUST **NOT** create a High Definition (HD) video. An HD video on your site would be far too large. Make sure that the video is saved in standard definition (<720p).

**To submit**

When you have completed the lab exercise, create a zip file of all the files in your L12 folder. Call the zip file YourUserName\_C10\_L12.zip and copy it to the Moodle page for the class. The zip file must contain:

* Folder containing brent.jpg, charlie.jpg, michelle.jpg, sam.jpg
* hvk.wmv/mp4/ogg/webm (ONLY 1 OF THEM)