

# Instructions for Hands-On Assignment 4

CISC 310 – Introduction to Computer Information Science

Professor Hendricks

For this assignment you will create a web page using a word processing application; use a search engine to search for websites; analyze existing HTML documents to locate image URLs; insert hyperlinks, images and videos; edit the web page you created; and save an HTML file as a PDF file.

*Note: When you have completed this assignment, attach the resulting ZIP file to the appropriate Dropbox in D2L and submit your assignment.*

## Section A. Adding Hypermedia to this document. (25 points)

A1. Save this document as a *Web Page, Filtered* with the filename *[your last name and first initial]\_hoa4\_webpage.htm* (e.g., *hendricksr\_hoa4\_webpage.htm*) to a location from which you can later upload it to the appropriate Dropbox in D2L (such as, your Desktop, your Documents folder, or network drive in the Computer Lab, or a USB flash drive).

A2. Using a networked personal computer (PC) at your home, at your office, or in one of the CRC Computer Labs, and with the help of a search engine as necessary, locate the home page for each entity highlighted in bold in the paragraph below. (*Hint: Open six different tabs within your browser; one for each entity.*)

The **[Los Rios Community College District](#)** (LRCCD) serves Sacramento, CA and its surrounding vicinity. The LRCCD’s colleges are **[Cosumnes River College](#)** (CRC), **[American River College](#)**, **[Folsom Lake College](#)** (FLC) and **[Sacramento City College](#)** (SCC), and all Los Rios Colleges are accredited by the **[Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges](#)**.

A3. Use the appropriate HTML code to enable the name of each entity in the paragraph above to function as a hyperlink to each entity’s home page.





A4. Each of the four Los Rios Colleges has a logo, and you can see these logos at the top of the login page for **Los Rios eLearning (D2L)**. The image files of these logos are located somewhere on each college’s web server (**Note: For American River College, click on the *Search* link on the home page and then click on *Search for Specific Word or Phrase*.**). Analyze the HTML source code of one or more web pages on each college’s website to find the complete URL for each college’s logo image (There could be more than one image/URL, but you only need to find the URL for one.). Then paste the complete URL for each college’s logo image (not the logo itself; just the URL) into the appropriate cell in Table 1 below. (*Hint: Verify that the URL starts with *http://* and ends with an image file extension.*)

Table 1. URLs for the logo image files of the four Los Rios Colleges.	
American River College logo; an oak tree with the letters ARC below it	<a href="http://inside.arc.losrios.edu/arclogo.gif">http://inside.arc.losrios.edu/arclogo.gif</a>

Cosumnes River College logo; two letters C inside a square that is slightly tipped to its left	<a href="http://crc.losrios.edu/sites/all/themes/crc_home/images/crc-logo.png">http://crc.losrios.edu/sites/all/themes/crc_home/images/crc-logo.png</a>
Folsom Lake College logo; a straight horizontal line located above a shallow arch to simulate a bridge	<a href="http://www.flc.losrios.edu/images/global/toplogo.png">http://www.flc.losrios.edu/images/global/toplogo.png</a>
Sacramento City College logo; the words Sacramento, City and College arranged one under the other	<a href="http://www.losrios.edu/images/logo_transcript_scc.png">http://www.losrios.edu/images/logo_transcript_scc.png</a>

A5. Configure the URL for each college's logo image in Table 1 to function as a hyperlink to the respective college's logo image file when the web page is displayed within a browser.

A6. Insert **HTML tags** into the right column of Table 2 that will display the logo of each of the Los Rios Colleges in the appropriate row. (*Hint: Use the URLs you located above. Do NOT copy and paste the logo images.*)

<b>Table 2. The logo images of the four Los Rios Colleges.</b>	
This is the logo of American River College:	
This is the logo of Cosumnes River College:	
This is the logo of Folsom Lake College:	
This is the logo of Sacramento City College:	

A7. Configure the logo image of each college in Table 2 to function as a hyperlink to the respective college's home page when the web page is displayed within a browser.

A8. Save your web page.

## **Section B. Troubleshooting the functionality of your web page and PDF files. (15 points)**

B1. Open a copy of your web page file in your browser and verify that a) all hyperlinks are working and b) all images and videos are appearing as specified. *(Hint: You can use the F5 key in most browsers to refresh your page or Ctrl-F5 to empty your browser's cache.)*

B2. Edit your web page file as necessary to correct any problems. *(Hint: You can see and modify the actual HTML code if you open the file with Notepad.)*

B3. To assist users with visual disabilities you should always create text alternatives to images on web pages. To that end create a brief description of each of the logo images in Table 2 (Example: "American River College logo; an oak tree with the letters ARC below it") and configure the correct description to be displayed by a text-only browser or sounded out by a computerized screen reader when he selects it with the keyboard. *(Hint: Use the ALT attribute of the appropriate HTML tag to implement this.)*

B4. Save your web page.

B5. After you have verified that all components of your web page are working properly, create a copy of your web page in the Portable Document Format (PDF) in the same location as your web page (HTML) file. *(Hint: You can use Microsoft Word 2007 or later, any version of OpenOffice, or Google Docs to accomplish this.)* Save the PDF file with the same filename as your web page, except for the file extension (.pdf) that indicates the different file format.

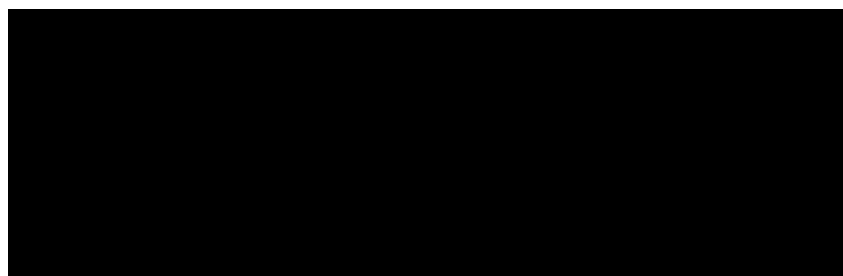
B6. Open your PDF file in Adobe Reader and verify that a) all hyperlinks are working and b) all images are appearing as specified. Close the PDF file. Return to your HTML document to correct any problems, and be sure to save your corrected web page in both .htm and .pdf formats as applicable.

## **Section C. Embedding a YouTube video into a web page. (6 points)**

C1. View the video at <http://www.youtube.com/watch?v=tqaD2Z-CfzM> .

C2. Embed the YouTube video above (the video; NOT just its URL) into your web page (.htm) between the lines below by using the appropriate HTML code for embedding that is provided by YouTube. *(Hint: You can see and modify the actual HTML code if you open the file with Notepad.)*

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C3. Save this file as a web page again and close the file.

## **Section D. Submitting your work as a ZIP file (4 points)**

D1. Create a ZIP file in the same folder as the two files you created above with the name *hoa4.zip* and copy both of the files (.htm and .pdf) you have created and the folder named (*your last name and first initial*)\_hoa4\_webpage\_files (e.g., *hendricksr\_hoa4\_webpage\_files*), if your word processing application created it, into the ZIP file.

D2. Attach the *hoa4.zip* file to the appropriate Dropbox in D2L and submit your work.