RIT **School of Information**
Golisano College of Computing and Information Sciences

Final Practical Exam Summer 2021 (2208)

Overview

This exam requires the construction of a web site that consists of one HTML validated page that is uploaded to the final practical assingment dropbox in mycourses when completed (details about this in final step). This will not require uploading material to solace/serenity web server or changing any existing directories or files on your current class page.

Time Limit

You will have 3 hours to complete this. I have tracked when you downloaded the starter files and started the MyCourses Quiz (if applicable), and I can then see when you uploaded the final product to the Final Practical Assignment Dropbox (submit this like you submit your homeworks and projects basically – in that assignment module of MyCourses). This should be more than enough time to complete this if you have been staying on top of things this semester. In previous semesters the time limit was actually only an hour and 20 minutes, but due to online nature and packed semester I am giving some extra time.

Exam Policies & Procedures

- Allowable resources:
    - w3schools.com
    - validator.w3.org
    - jigsaw.w3.org/css-validator
    - myCourses Material
- All HTML/CSS must be developed "by hand" with a text editor used in this course.
- Checkboxes have been provided on both sides of each task in case you are printing this out and want to fill them out
    - **left** checkbox: **student** inserts a check mark when the task requirement is fulfilled
    - **right** checkbox: **instructor** inserts a check mark during grading

IMPORTANT:	Once you have completed the practical examination, **DO NOT ATTEMPT TO REVISE THE MATERIAL AT A LATER TIME**. If the date/time stamp of any dropbox entry is past the exam completion time, a final practical grade of **ZERO** will be issued and an "F" letter grade will be submitted for the course.

Part I – Photoshop or Photopea.com

Don't get bogged down in this part! It is okay if your composite image is not absolutely perfect. Just create something acceptable, export it in the right file format, and move on.

Instructions/Requirements
If you are reading the instructions you must have already downloaded the practical-2208 zip which contains the instructions and a finished screenshot of what the working website looks like called:

IMPORTANT: you will also need to download a PSD that you will use later on: https://people.rit.edu/~jxtadm/140/RIT-original.psd If you click this and visit in Chrome / Firefox it should save it to your "downloads" folder

At this point you need to launch Photoshop (if available on your machine) OR use **photopea.com** (the free browser based photoshop alternative we went over which is nearly identical to photoshop).

☐   1.   Create a new image that is 680 pixels wide by 220 pixels high (don't use the starter   ☐
psd for this yet). Set the color model and resolution to appropriate values, and the background-color to any color you wish. Save this file to your desktop as **banner.psd** (if using photepea there is an option called "save as psd")

☐   2.   On a new layer in **banner.psd**, add the **RIT-original.psd** that you download using this   ☐
link: https://people.rit.edu/~jxtadm/140/RIT-original.psd It is acceptable to simply drag the file directly on top of the current banner.psd you created in step 1. (alternatively you can use File->open to open RIT-original.psd and drag the layer / copy paste it into banner.psd)

☐   3.   Scale the image you added in to fill the space. When the image completely covers the   ☐
banner background, "place" it by clicking the move tool and responding to the dialog box (hint: one way is with the edit->free transform)

☐   4.   From the layer menu at the top, select "Flatten Image" to make a composite.   ☐

☐   5.   Add a *text layer* to **banner.psd** using the *Type Tool*. Choose an eye-catching font face   ☐
and color. Type your name on one line and course number on a second line.

☐   6.   Get your photo ready for the web. Save (or export depending on your version) the   ☐
image to your desktop as a PNG named **banner.png**. Keep the image dimensions the same as the original.

PHOTOPEA NOTE: when you export a png in photpea it will automatically save it to your browsers "downloads" area. You will need to move it into the folder you create your index.html below at some point. Make sure when downloaded it has correct filename (It should if you already saved it from earlier step).

Part II: Web Page
- All of the styles created must be in an external style sheet.
- If the CSS fails to display properly, it usually means a missing colon, semi-colon, or curly-brace somewhere. It could also mean that the CSS file has not been linked to the HTML file.
- Use the finished image included in the starter files as a guide.
- Read each step *carefully* and follow exactly as written. *Do Not* assume!!!

Instructions/Requirements

Setup

☐ 7. On the desktop, create an external style sheet file named **style.css** and an HTML file named **index.html** using the HTML5 standard. ☐

HTML/CSS Page Requirements

☐ 8. Add a title to the page as follows: *your own name*'s RIT Campus ☐

☐ 9. At the top of the page, create a <div> with the *id* **header** ☐

☐ 10. In **style.css** add a rule to make **banner.png** (the file created in Part I) the background image of the **header** div. Make sure the style rule specifies the size of the div, and make it display with no content in it! ☐

☐ 11. In the style sheet, set **page** background color to a dull yellow; close the **header** div ☐

☐ 12. Insert an unorded list into a div with the *id* **navlist** ☐

☐ 13. Add three list items: **Home**, **Gallery**, and **History**. ☐

☐ 14. In **style.css**, create a rule using an *id* selector named **thispage** and set this rule so that the *font-weight* is changed to **bold**. ☐

☐ 15. Apply the **thispage** style rule to the first item in the list you created (*e.g.,* **Home**). ☐

☐ 16. In **style.css**, create a rule using an *id* selector named **navlist** with these attributes: ☐
- Margin and padding of 0 pixels
- A light-yellow background color
- Width of 680 pixels

☐ 17. In **style.css** create a style rule with a selector that can be used with the list items within the **navlist**. Give this rule the following attributes: ☐
- Set font to 24-pixel Arial
- Set display to *inline*
- Add 6 pixels of padding to the left and 12 pixels of padding to the right

☐ 18. Close the **navlist** div. Add a new div tag with the *id*: **main** ☐

☐ 19. Within the **main** div, add a level-1 heading with the text "Spring at RIT!" ☐

☐ 20. In **style.css**, add a style rule using a type selector for level-1 headers. For this rule, set the text font to **32-pixel Arial** and make it **yellow**. ☐

☐ 21. *After* the heading within the **main** div, add a paragraph with the following text: "*All about what's growing!*" ☐

☐ 22. In **style.css,** write a style rule that will cause *all* paragraphs in the page to be displayed using 20-pixel Helvetica ☐

☐ 23. *After* the paragraph and within the **main** div, create an HTML table with the same layout and content shown below. Assign the table a *class* name of **finaltable**. ☐

Trees	
Evergreens	Deciduous
Shrubs	Flowers

☐ 24. Set a 2px border around all table cells. ☐

☐ 25. In **style.css,** create a style rule for the **finaltable** class with the following attributes: ☐
- A width of 500 pixels
- Set the font to **Times**

☐ 26. Validate **index.html** file using the validator at http://validator.w3.org/. ☐
*(The HTML file **must** validate but warnings can be ignored.)*

☐ 27. Validate your **style.css** file using the validator at http://jigsaw.w3.org/css-validator. ☐
*(The CSS file **must** validate.)*

☐ 28. Create a zipfile of the files **style.css, banner.png**, and **index.html.** Name the zipfile as: ☐
<lastname_firstname-initial>.zip (e.g. *leonej.zip)* and upload to the final practical dropbox assignment dropbox WITHIN 3 Hours of starting.

Grading
- Each step in the instructions above is worth one (1) point.
- Partial credit will *not* be granted in single-point questions.
- You grade will be determined by number of points you got over 28 (ex: 22/28 = 79)