

Assignments

Web Assignment - Spring 2024 - Not Started

Assignment Details

Title Web Assignment - Spring 2024

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Grade Scale Points (max 100.00)

Instructions

CS1033 - Web Assignment (Assignment 2)

Designing a Website Using html5-editor.net

OVERVIEW:

This year, 2024, marks the 60th anniversary of the Computer Science department here at Western. For this assignment, you will be creating a website about our department to celebrate this milestone year. The content is all provided to you but it's up to you and your creativity to lay it out in a way that looks clean/professional/lovely.

NOTE: you may NOT use a template nor may you use existing html code (but you can use html code that YOU created while doing your labs) nor may you use website building software (do not use tools such as Kompozer, Dreamweaver, BlueGriffon, Wix, etc.) to create this website. Also you must use a table for your outer layout, you may NOT use <div> tags for your layout (This puts everyone on an even playing field). You may only use html5-editor.net, Brackets/Notepad/TextEdit (simple text editor) and css to create the site. **If the site was not made using just those tools you will receive a 25% deduction!**

PLEASE NOTE: All the material needed to help you figure out how to complete this assignment can be found in:

- To create the banner - Labs 2 and 3 (export as .jpg)
- To create the web pages - Labs 4, 5 and 6 and any of the Week 6 Lecture Videos that start with HTML

BEFORE YOU BEGIN YOUR ASSIGNMENT - IMPORTANT! PERFORM THE FOLLOWING STEPS:

- First create a folder called **webassign** on the desktop of the machine where you intend to work on the assignment (or on the memory stick you plan to use, but be careful --> losing the memory stick is not grounds for an extension)
- Create a subfolder inside the webassign folder called **images**.
- Anytime you find or create an image to be included in this website, move the image into the **webassign/images** folder
- Make backups often and on DIFFERENT devices. Use online (cloud) storage as well like OneDrive or Google Drive. We have had several complaints about Western USB sticks corrupting files. You may want to buy a second USB if you are currently using a Western USB drive. Losing your USB stick or your laptop/USB stick breaking down will NOT be grounds for an extension, make sure you back up your work occasionally.

CRITERIA:

Build a website to include **ALL OF THE FOLLOWING** things:

1. A banner for your website made with Affinity Photo

- Size of banner must be roughly **1000 pixels wide** (no more than 1050 pixels and no less than 950 pixels). The height is up to you but the recommended range is 150px to 350px.
- You can use any images you find on the Internet but try to use ones from the official Western CS Dept site and/or the official Western Flickr site where possible (Remember that best practices are to pick images with no copyright issues but this will not be checked. We would prefer you pick free images but this is up to you) and that will add appeal to the banner but remember you need to save the URLs for the images used on your banner in order to include them on your References page.
- The banner **MUST** include the words "**Computer Science**" and "**60 Years**" (or "60th Anniversary" or something similar).
- Create a banner that is professional, appealing, and appropriate for the content

2. Content for the web pages: (read carefully)

- The document <https://www.csd.uwo.ca/~bsarlo/cs1033b/cs60/content.txt> contains the content to be used for creating the web pages. This is provided so that you don't have to come up with the content. Your job is to lay out the content in an appealing and professional manner. Note: The content file is a text file with no formatting so that you can copy and paste the information into your website and work with the layout and the attributes as you choose. Your assignment will be marked on how nicely the information has been presented. Add at least one image to **every** web page (Exception: you are not required to add images to the references page) in order to give each page more visual appeal but, remember to reference all images used, **even if we supplied the image (use the URL we gave you)**. Include references for any images you put on your banner and buttons. Replace hyphens for lists with the numbered or bulleted (structured) list.

3. Number of Web pages: For your website you must create 5 web pages in total: Home, History, Current Courses, Research, and References. Every page must have your banner along the top before any other content is shown. You then need to create a navigational menu structure at the top or along the side of each webpage containing 5 links (buttons or text links), each linking to one of the 5 web pages. The text for the 5 web pages is contained in the content document. Every page in the website must have a properly formatted property title as shown in lecture and in labs. The file names for the 5 web pages should be lowercase, descriptive, and not contain spaces. Listed below are guidelines for each of the 5 web pages:

- 1. Home** --> Text for this webpage is included in the content document
 - Emphasize (make bigger or bolder, do something to make it stand out) the first line: "Happy 60th Anniversary!"
 - In the 2nd paragraph ("The department began in..."), convert the text "CS 1026" to a link that points to the "CS 1026" description on the Current Courses page of your site (see description of that page below).
 - Find and include 2 images that relate to Computer Science (such as someone programming) or related to our department at Western.
- 2. History** --> Text for this webpage is included in the content document
 - Neatly format the given content on this page.
 - Convert the text "**Computer Science Department**" into a clickable link that points to the external site: <https://csd.uwo.ca/>
 - Convert the hyphenated points into a structured bulleted list.
 - Include a picture of Middlesex College somewhere on this page
 - Convert the image of Middlesex College to a clickable link that points to the external site: <https://csd.uwo.ca/>
 - Convert the email address at the bottom of this page into a working, clickable email link that will pull up Outlook or some other email reader. Note: it is just a fake email so don't try sending an email to this address
- 3. Current Courses** --> Text for this webpage is included in the content document
 - Neatly format the given content on this page.
 - The first 4 lines ("1st Year Courses", "2nd Year Courses", etc.) must be turned into links that point to the anchors at the corresponding section below
 - Notice that each of the 12 courses listed has a description about the course material, **except** for CS 1033 which has "???". You must come up with your 2-3 sentence description about CS 1033 (since you are taking it and know what it's about!) to replace the "???".

- Convert the last two words for this page (the words "this site") to a clickable link that points to the external site: https://csd.uwo.ca/undergraduate/current/courses/course_offerings.html
4. **Research** --> Text for this webpage is included in the [content document](#)
 - Neatly format the given content on this page.
 - Bold/Highlight the three professor's names
 - Find an image of each of the three professors to include near the description of their research
 5. **References** --> This webpage must contain the URLs for EVERY image you obtained from the Internet (even the ones we provided!) and used within your website. Make sure this page is neatly laid out and organized. You no longer have to place your image references in the kritik.io box under your link since they are now listed on this web page. References do not have to be in MLA, APA, or any other official citation format. If you use a picture you took yourself, and don't have a URL for it, you MUST still include something like: Picture of Cat - Taken by me. Even for image(s) that we gave you, you MUST include a reference in your references page.
4. **A Table to achieve clean edges and strong alignment:** Use a table(s) with fixed 1000 pixels width to control your overall website layout. You can also use nested tables, additional tables, rows, and columns to achieve your layout. NOTE: You may NOT use <div> tags for the outer layout, it must be a table that is used for the layout.
 5. **A Navigational structure:** Create your menu links as button images, or as text to each of the 5 pages. NOTE: If you decide to create button images, you MUST use Affinity Photo to create your buttons, you may not use button generating software. Navigational buttons/links that are very professional looking will get more marks than plain text links. *IMPORTANT* Make sure your links all work from each page to every other page. Test this AFTER uploading it to the server to ensure it wasn't just working on your local PC only.
 6. **Appropriate Images:** Appropriate images MUST be embedded in each of your webpages (except for the References page) to make the pages interesting. All images used must be cited in your "References" webpage. You can find lots of free images to use in your site from here: <https://pixabay.com/>. You can also purchase images if you want from online stock photo companies such as <http://www.bigstockphoto.com/>, <http://www.istockphoto.com/> We encourage you to follow best practices by using free images but this will not be checked and no marks will be deducted if you use copyrighted images, but either way, free or copyrighted, you MUST include a reference (the URL) for every image you use in your references page EVEN FOR PICTURES THAT WE SUPPLIED YOU WITH!
 7. **Colour creativity:** The colours used in your entire website (background colour, font colours, banner colours, button colours, etc.) should co-ordinate with each other and work well with the overall look of your pages
 8. **Clean Neat Layout:** Aim for neatly laid out pages as opposed to cluttered, crowded pages.
 9. **Links:** You need an instance of **each** of the following link type in your website:
 - e-mail link
 - link(s) pointing to another area within the same page (bookmark/anchor links) and link(s) that allow the user to return to the top of the current page (Back to Top links on long pages).
 - link(s) pointing to outside website(s) on the Internet
 10. **Structured List (ordered OR unordered):** You must have some sort of bulleted list or numbered list in one of your pages using the list tool in html5-editor.net (there should be no hyphens used as bullets for lists).
 11. **Well balanced text formatting.** We will be looking for:
 - Appropriate size - headings, body of text, balance, did you use headings appropriately to make titles stand out, etc
 - Text emphasis - use bold/italics as you see fit. There must be at least one example of both.

- Layout within each page - should not be cluttered, should be easy to read, should have clean alignment (use what is appropriate: Left, Right or Centered Alignment)

- A well organized File/Folder structure to hold all your html files and images.** Marks will be given based on how well you follow the instructions given in lectures and lab, how/where you stored your webpages in your folder and how/where you stored your images in your website folder/directory.
- An uppermost folder called *webassign*.** You must keep your *index.html* home page in the upper most folder (the upper most folder must be called *webassign*). You will be given marks for appropriate file names and folder names as indicated in class lectures and labs. The home page called *index.html* MUST be located in the *webassign* folder and NOT in a sub-folder of *webassign*. Thus, this is correct: *webassign/index.html* and this is incorrect: *webassign/pages/index.html*. The incorrect way will NOT display your home page initially so make sure you put *index.html* inside folder *webassign* NOT in a sub-folder of *webassign*.
- Read the "FinalTips" table at the bottom.** Some requirements are explained down there only so make sure you read it and follow it while building your website.

FINALLY - Make sure you watch this entire video (it is 1.5 hours but it will help you get a good mark and you can watch it at double speed to shorten the length of time it take to watch). Please watch the ENTIRE video!

HANDING IN THE SECOND ASSIGNMENT:

STEP 1: SFTPing YOUR WEBSITE TO THE INTERNET

As long as you have your website sitting in a folder called *webassign* on the GAUL server, then anyone will be able to see your assignment simply by using the URL address, for example:



You will still be using WinSCP or Filezilla to upload your files but a few things will be different:

- When you run WinSCP or Filezilla use the following information:
 - Host Name:** *cs1033.gaul.csd.uwo.ca*
 - NOTE:** if you are using Filezilla, you will need to put ***sftp://cs1033.gaul.csd.uwo.ca***
 - Username:** Your Western Username, for example *jsmit27*
 - Password:** Your Western Password
 - Port:** 1033
 - File Protocol:** This SHOULD, by default, be SFTP, but if it is FTP, change it to SFTP
- You will be put immediately into the directory where you will upload your *webassign* folder.
- Drag your *webassign* folder from your machine (on the left) up to *cs1033.gaul.csd.uwo.ca* web server (on the right)
- You should not need to set any permissions, they should be set automatically but you should still double check this by going to your website and checking that all your links work.
- YOU MUST CHECK THAT YOUR WEBSITE WORKS**, please follow the instructions below:

STEP 2: TESTING TO SEE IF YOUR WEBSITE IS VIEWABLE FROM THE INTERNET

WARNING: If you want to check if your website is working (all the links are correct and none of the images are broken), you **SHOULD** check it from a machine that was **NOT** used to make assignment (or use your phone to check the link that you will submit to kritik.io). Thus, if you made your assignment on a home machine/laptop machine, then find another machine on campus to test the **ALL** the links **OR** have a friend test the links for you on their machine **OR** test the links using your phone. It may appear that everything is correct but when your peers go to look at your website, the links may be broken or the images may not appear if you don't check all your webpages and links and images carefully in a browser.

To double check, open a browser and type the following web address:

<http://cs1033.gaul.csd.uwo.ca/~youruserid/webassign>

and change **youruserid** above to whatever your Western userid is. This should bring up your home page called index.html. If it doesn't, you have done something wrong, try again or visit a TA during the posted consulting times. If your links or images are not working, this means you are not referencing them correctly in your web page and should check the following troubleshooting tips:

1. You should look at where you stored the page/image and how you linked it to figure out what went wrong.
2. Sometimes deleting it and re-uploading it will fix it.
3. Make sure that all your images, your images subfolder and your web pages are within the website, i.e. within/under your folder called **webassign**.
4. Make sure that your images are named exactly the same in your file directory panel as the link in your .html file. For example: Cat.jpg is not the same as cat.jpg thus the case is very important in a filename.
5. Make sure that the subfolder containing your picture files has the same case as you typed into html5-editor.net (e.g. make sure, if you typed in images/cat.jpg into html5-editor.net, that you named your subfolder images and NOT Images)

STEP 3: SUBMITTING YOUR ASSIGNMENT TO KRITIK AND PEER MARKING

1. **CREATION STAGE** - You **MUST** submit a link to your website via kritik.io See below for the details of how to do this.
 - Go to [Kritik.io](https://kritik.io) and paste in the link to your website. This is the **ONLY** thing you have to put into the kritik.io text box. It should look like this (remember to **TEST** your link **AFTER** you have pasted it in kritik.io. You get a mark for pasting in the **CORRECT** link so double check your link in kritik.io. If you don't double check your link your peers might not find your site):

<http://cs1033.gaul.csd.uwo.ca/~youruserid/webassign>

2. **EVALUATION STAGE (PEER MARKING)** - After the late period for submitting finishes, you will get **THREE** days to mark 5 or 6 of your peers. 10% of your mark will be based on how well you mark your five peers. You will get a better mark the more carefully you mark, so do not be too easy and do not be too hard, just be fair and careful and correct when marking. 5% of your mark will be based on the written comments you leave. Try to explain **GENTLY** why you removed marks and any issues you had with the student's website **AND** try to find something to be positive about the submission since people hopefully have worked hard on the website so your comments should be respectful. **THIS STAGE CANNOT BE LATE** - you **MUST** do your peer marking during these 3 days. It

will likely take you anywhere between 1 to 2 hours (the first assignment you mark will take the longest but by the fifth assignment, you will know what you are doing).

3. **FEEDBACK ON FEEDBACK STAGE (Reviewing the feedback given to you)** - The last stage, the feedback on feedback stage, is worth 5%, after the peer marking evaluation stage is done. You only get ONE day to complete this stage. Read over the comments you received from the 5 or 6 people who marked you and then, using a sliding scale, rank them as motivational AND as helpful. Remember that students will be graded on the value you give them on the sliding scales, so please be thoughtful when doing the rankings. For each of the 5 markers that you rank, you get 1 mark up to a total of 5. If only 4 people marked your assignment, then it will be taken out of 4 and converted to a mark out of 5 (you won't lose any marks since that was not your fault). **THIS STAGE CANNOT BE LATE** - you **MUST** read over the comments your peers gave you and rank them during this ONE day. **THIS STAGE CANNOT BE LATE.** It shouldn't take you more than 5 minutes.
4. **DISPUTES** - If you feel like you were marked incorrectly on any of the non-subjective rubric items, you have 4 days, including the one day you get to do the Feedback on Feedback stage, to click on the dispute button in kritik.io to indicate what was marked incorrectly. Identify the incorrectly marked item(s) by using the giving the row numbers for the items where you feel like you were marked incorrectly, put those numbers in the dispute box and submit your dispute. A t.a. or your professor will check those items for you. After the professor finalizes the assignment, no more disputes will be accepted. You may also flag comments that were offensive. Note though that comments you disagree with are NOT offensive, only comments containing swearing or derogatory remarks should be flagged. **Also note that any files changed/reuploaded AFTER the due date are no longer eligible for disputes.**

The web server will be VERY busy with 800 students trying to upload their assignment all at the same time. NO extensions will be given because a student couldn't upload their files before the due time. Thus we STRONGLY recommend you try to hand the assignment in the day before it is due, do NOT leave it till the final day. Also note that NO extensions will be given due to lost memory sticks or broken/stolen laptops so make sure you back up your work often.

Late Policy

- Any assignment received after 11:55pm on Friday due date but before 11:55pm on Saturday will lose 15%
- Any assignment received after 11:55pm on Saturday, but before 11:55pm on Sunday will lose 30%.
- Any assignment received after 11:55pm on Sunday, but before 11:55pm on Monday will lose 45%.
- No assignments submitted after 11:55pm on first Monday that followed the Friday due date will be accepted and a grade of ZERO will be given
- NO extensions will be given for computer technical problems, wireless/network issues or Owl connectivity issues. If your machine is having problems, you **MUST** find another computer to use to complete the assignment. This is a Computer Science course so working laptops/machines are expected and required!

FINAL TIPS:

A lot of the following concepts have been presented during the lectures and used in your lab tutorials, remember to think about them when designing your website.

TECHNICAL

Homepage

- Represented as "index.html"

CREATIVE

Colour

- Colour balance (important)
- Pleasing colours to match company profile

- Pick an appropriate page background colour

Banner (top)

- Approximate size 150 x 1000
- Can be taller as long as all your side links or top links fit within the window (no scrolling)
- Banner must be at the top of EVERY page in your site

Webpage Balance

- Webpage boundaries
- Sections: easily identified, easy to read
- Effective use of padding in cells

Images

- Clear, no noise
- Must have alt tag and hover tag for all images on the home page (banner and any other images excluding buttons (you can put them on your buttons but you don't need to do this))

Image Links

- Balance: size
- Buttons: suitable size
- Colour: what colour are links, do they work well with the site, are they readable?

Text Colour and Size

- Easy to read
- Appropriate size, font type relative to overall web page

Navigation

- Easy to navigate through your website and placement of the menu buttons/links is consistent and on all pages

Navigational Links

- Easy to read
- Size appropriate with rest of web page
- Should not have to horizontally scroll to read link
- Target field: new window or not?

Images

- Fits with rest of colour scheme
- Fits with the content

Property Titles

- Set a property title for each webpage in your website.
- Follow instructions given out in lecture.

WEBSITE FILE ORGANIZATION**Bottom of web page**

- Long pages should have a Back To Top link to bring the user to the top of that page.

Files/Folders

- Have an images folder
- Use lowercase descriptive filenames with no spaces

Spelling/Grammar

- Use Spell Checker

Paragraphs

- Most of the times use left alignment for paragraphs. Reserve centering for small things you want to emphasize

Crowdiness

- Avoid putting text in web pages that runs into table grid lines or image edges. You can add padding to the cell or to the image to spread the text away from the table cell or image edges.

More help with creating it and handing it in:

- [Watch this video!](#) It will help you figure out what is required.

IMPORTANT NOTE: this assignment will take MUCH longer than the first assignment to complete. Make sure you start it early and hand it in on the Thursday (the day BEFORE it is due) if you can, then you won't be stressing about filezilla or WinSCP being super busy and you can't upload your files on time OR about finding a mistake that you need to fix after you upload it (test ALL your links after you upload from a different computer, some links/images may break when you upload the site). Any assignment where the files were reuploaded after 11:55pm on the last possible date to hand in will receive ZERO for the assignment. **THIS IS A FIRM RULE.** We run a program to check the date your files were last uploaded so please make sure you hand in at least 1 or 2 days BEFORE the due date so that you don't have to worry about this being an issue.

Late Coupons

Please see the "Late Coupon Info" tab along the left side for information on using late coupons.

This assignment does not accept online submissions. Contact your instructor for additional instructions.

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