



Computer Science Department

CSCI 102 - Computer-Mediated Communications

Spring 2020
Laboratory Assignment 1
CRN 21400

Objectives

1. Set up **myweb** folder and subfolders
2. Create and publish a web page using the website case study in your textbook.
3. Create the Home page: index.html.
4. Create the Yurts page: yurts.html.

Task 1: Set up a **myweb** folder, a **CS102** subfolder and a security folder. All of your published web pages MUST be contained in your **myweb** folder.

Steps:

- a.** Log-in to a lab machine using your Western Universal ID and password.
- b.** From the START menu, open a file folder. This should pop up a window with two panes. The left pane displays the computer storage areas (drives) and possibly some folders or files (mydocuments, library, etc). The right pane shows you the contents of any drive or folder that is selected in the left pane.
- c.** In the left pane, locate and select (by left-clicking) your U: drive.
 - The **U: drive** is directly connected to your Western Universal ID and can be accessed by any ATUS computer on campus

- All of your web pages will be published through your U: drive.
- d.** Try to locate and select the **myweb** folder.
- If there is no **myweb** folder in your **U: drive**, then you will need to create one.
 - Make sure you have selected your **U: drive**
 - Using the menu bar at the top of the window, select **File**
 - Select **New**
 - Select **Folder**
 - Give your new folder the name **myweb** (make sure there are no spaces and the name is all lower case, exactly like it is typed in these instructions)
- e.** Create a **CS102** subfolder.
- Select the **myweb** folder
 - Create a new folder using the directions above: **File** → **New** → **Folder**
 - Name the new folder **CS102**
- f.** The path to your CS102 folder is **U:/myweb/CS102**
- g.** For added security, create a subfolder in your CS102 folder using the instructions for creating a new folder. You can choose the name of this subfolder, but it should be something unique and easy to remember. For example, your pet's name or a character in your favorite TV show.
- Say your folder's name is NightRider, then the path to your secret folder is **U:/myweb/CS102/NightRider**
 - Choosing a unique folder name will make it difficult for anyone to piece together your folder path, thus making it harder for them to access your webpages without your knowledge

h. All of your work for this course must be saved in the folders you've set up, but you may want to save a backup of your work by emailing files to yourself or copying your files to a thumb drive.

Note: Your TA and your instructor will not have access to your work if it is not saved in the **myweb** folder.

Task 2: Use the website case study to create your first web page.

- a. Create a Lab 1 folder inside your secret folder. We'll save the web page in the folder.
- b. Open Visual Studio Code from the Start menu. You may need to do a search for the program it is not listed as a commonly used program.
- c. Select File and then New to generate a blank template.
- d. To save your file in the appropriate folder select File then Save As
 - Navigate to the Lab1 folder you created earlier by selecting your myweb folder, then the CS102 subfolder, then the secret folder, then your Lab1 folder
 - Save the file as index.html
 - Use your website case study (**Pacific Trails Resort p. 73-76**) to create your web pages

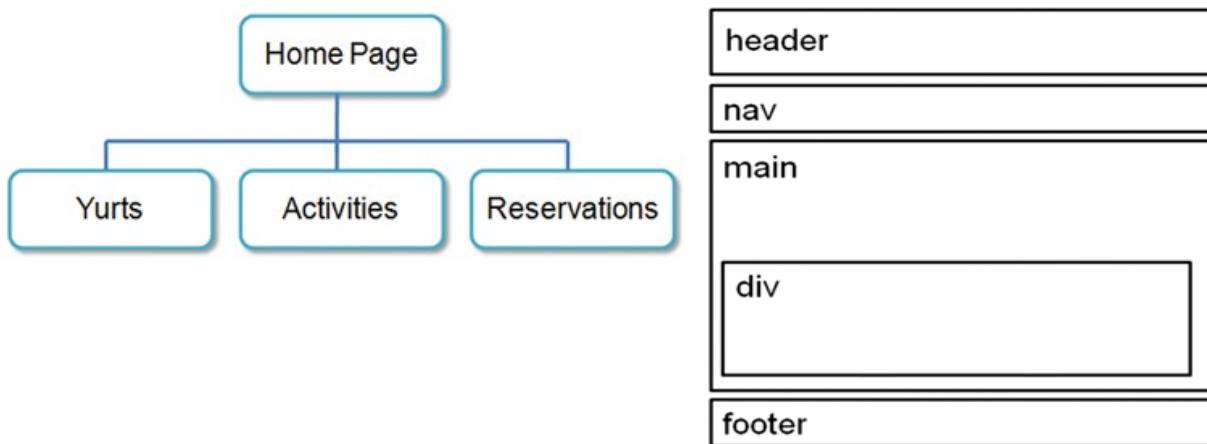
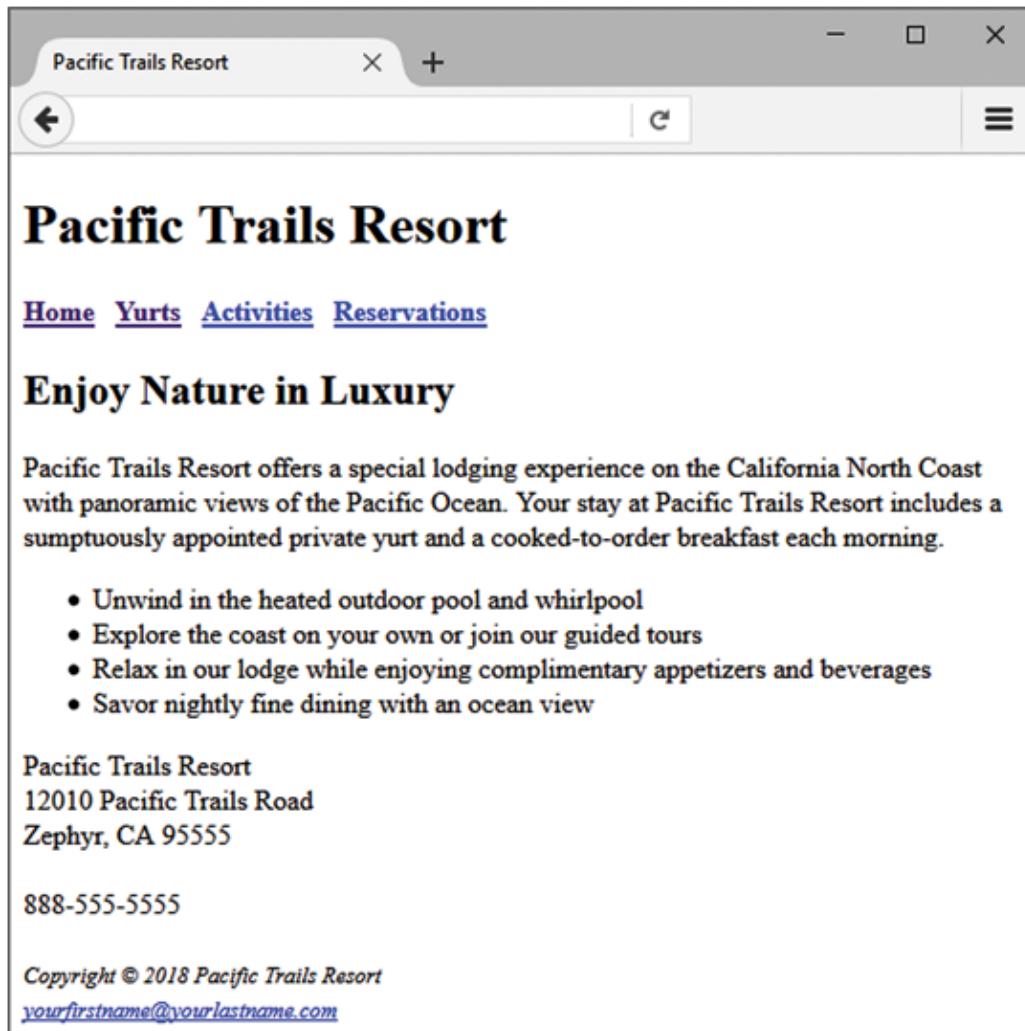


Figure 2.40 displays a wireframe sketch of the page layout for the website. It contains a header area, a navigation area, a main content area, and a footer area for copyright information.

TASK 3: THE HOME PAGE. You will use a text editor to create the Home page for the Pacific Trails Resort website. The Home page is shown in Figure 2.41.



Launch a text editor, and create a web page with the following specifications:

- 1. Web Page Title.** Use a descriptive page title. The company name is a good choice for the home page of a business website. On pages other than the home page, the title typically contains both the company name and a word or a phrase that describes the purpose of the page.
- 2. Wireframe Header.** Code the header element with the text, "Pacific Trails Resort" contained within a heading 1 element.
- 3. Wireframe Navigation.** Place the following text within a nav element with bold text (use the **** element):

Home Yurts Activities Reservations

Code anchor tags so that "Home" links to index.html, "Yurts" links to yurts.html, "Activities" links to activities.html, and "Reservations" links to reservations.html.

Add extra blank spaces between the hyperlinks with the ` ` special character as needed.

- 4. Wireframe Main Content.** Code the main page content within a main element. Use **Hands-On Practice 2.10** as a guide.

- a. Code the following text within an h2 element:

Enjoy Nature in Luxury

- b. Configure the following sentences in a paragraph:

Pacific Trails Resort offers a special lodging experience on the California North Coast with panoramic views of the Pacific Ocean. Your stay at Pacific Trails Resort includes a sumptuously appointed private yurt and a cooked-to-order breakfast each morning.

- c. Code the following content in an unordered list:

Unwind in the heated outdoor pool and whirlpool

Explore the coast on your own or join our guided tours

Relax in our lodge while enjoying complimentary appetizers and beverages

Savor nightly fine dining with an ocean view

- d. Configure the following address and phone number contact information within a div element below the unordered list. Use line break tags to help you format this area.

Pacific Trails Resort

12010 Pacific Trails Road

Zephyr, CA 95555

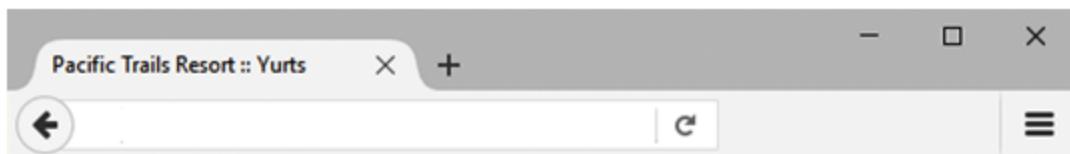
888-555-5555

5. Wireframe Footer. Configure the following copyright and e-mail link information within a footer element. Format it with small text size (use the `<small>` tag) and italics font style (use the `<i>` tag).

Copyright © 2018 Pacific Trails Resort

Place your name in an e-mail link on the line under the copyright.

TASK 4: THE YURTS PAGE. Create the Yurts page shown in [Figure 2.42](#). A technique that improves productivity is to create new pages based on existing pages so that you can benefit from your previous work. Your new Yurts page will use the index.html page as a starting point.



Pacific Trails Resort

[Home](#) [Yurts](#) [Activities](#) [Reservations](#)

The Yurts at Pacific Trails

What is a yurt?

Our luxury yurts are permanent structures four feet off the ground. Each yurt is fully enclosed with canvas walls, a wooden floor, and a roof dome that can be opened.

How are the yurts furnished?

Each yurt is furnished with a queen-size bed with down quilt and gas-fired stove. Your luxury camping experience includes electricity and a sink with hot and cold running water. Shower and restroom facilities are located in the lodge.

What should I bring?

Most guests pack comfortable walking shoes and plan to dress for changing weather with light layers of clothing. It's also helpful to bring a flashlight and a sense of adventure!

Copyright © 2018 Pacific Trails Resort

yourfirstname@yourlastname.com

Open the index.html page for the Pacific Trails Resort website in a text editor.

Select File > Save As, and save the file with the new name of yurts.html in the pacific folder.

Now you are ready to edit the page.

1. Web Page Title. Modify the page title. Change the text contained between the

`<title>` and `</title>` tags to the following:

Pacific Trails Resort :: Yurts

2. Wireframe Main Content.

a. Replace the text in the h2 element with the following:

The Yurts at Pacific Trails

b. Delete the Home page content paragraph, unordered list, and contact information.

c. Add the yurts content to the page as a FAQs (frequently asked questions) list by using a description list. Configure each question to have strong importance and bold font weight (use the `` phrase element) within a dt element. Configure each answer within a dd element. The text is shown as follows:

What is a yurt?

Our luxury yurts are permanent structures four feet off the ground. Each yurt is fully enclosed with canvas walls, a wooden floor, and a roof dome that can be opened.

How are the yurts furnished?

Each yurt is furnished with a queen-size bed with down quilt and gas-fired stove. Your luxury camping experience includes electricity and a sink with hot and cold running water. Shower and restroom facilities are located in the lodge.

What should I bring?

Most guests pack comfortable walking shoes and plan to dress for changing weather with light layers of clothing. It's also helpful to bring a flashlight and a sense of adventure!

Task 5: Save your work and you should be able to access your page using the following web address:

[http://myweb.students.wwu.edu/~\(login name\)/CS102/\(secret
folder\)/Lab1/index.html](http://myweb.students.wwu.edu/~(login name)/CS102/(secret folder)/Lab1/index.html)

Replacing (login name) with your login name and (secret folder) with your secret folder name.

- If your login name is nanab24 and your secret folder is MonaLisa, then the web address for your page is:

<http://myweb.students.wwu.edu/~nanab24/CS102/MonaLisa/Lab1/index.html>

- Note, if you double-click the file you saved in the folder directly, a web page will appear beginning with file://. This is the wrong web address; your TA and your instructor will NOT have access to your work through this address.

Task 6: Submitting your Work.

To complete the lab, submit your **URL/zipped** folder for the exercise.

Your URL should be:

[http://myweb.students.wwu.edu/~\(login name\)/CS102/\(secret folder\)/Lab1/index.html](http://myweb.students.wwu.edu/~(login name)/CS102/(secret folder)/Lab1/index.html)

Replacing (login name) with your login name and (secret folder) with your secret folder name.

- If your login name is nana24 and your secret folder is MonaLisa, then the web address for your page is:

<http://myweb.students.wwu.edu/~nanab24/CS102/MonaLisa/Lab1/index.html>

- Note, if you double-click the file you saved in the folder directly, a web page will appear beginning with file://. This is the wrong web address; your TA and your instructor will NOT have access to your work through this address.

Your zipped folder should be:

- **Lab1last_name.zip**

All work should be turned in as a Canvas **URL/zip** submission as described above.

I recommend double-checking that your submission is complete. Late

assignments, broken URLs, or incorrect submission items will be penalized two points per 24-hours passed from the due date.

The last date for submission of Lab assignment is 11:59 PM Saturday April 18, 2020.

Points Breakdown

Folders are created according to instructions above - **4 points**

All required HTML content for Homepage - **8 points**

All required HTML content for Menu page - **8 points**