

Web Research

There are many HTML5 tutorials on the Web. Use your favorite search engine to discover them. Choose two that are helpful. For each, print out the home page or other pertinent page and create a web page that contains the answers to the following questions:

- a. What is the URL of the website?
- b. Is the tutorial geared toward the beginner level, intermediate level, or both levels?
- c. Would you recommend this site to others? Why or why not?
- d. List one or two concepts that you learned from this tutorial.

Focus on Web Design

You are learning the syntax of HTML5. However, coding alone does not make a web page; design is also very important. Surf the Web and find two web pages, one that is appealing to you and one that is unappealing to you. Print each page. Create a web page that answers the following questions for each of your examples:

- a. What is the URL of the website?
- b. Is the page appealing or unappealing? List three reasons for your answer.
- c. If the page is unappealing, what would you do to improve it?



WEBSITE CASE STUDY

Each of the case studies in this section continues throughout most of the text. This chapter introduces each website scenario, presents the site map, and directs you to create two pages for the site.

JavaJam Coffee House

Julio Perez is the owner of the JavaJam Coffee House, a gourmet coffee shop that serves snacks, coffee, tea, and soft drinks. Local folk music performances and poetry readings are held a few nights during the week. The customers of JavaJam are mainly college students and young professionals. Julio would like a web presence for his shop that will display his services and provide a calendar for the performances. He would like a home page, menu page, music performance schedule page, and job opportunities page.

A site map for the JavaJam Coffee House website is shown in Figure 2.30. The site map describes the architecture of the website, which consists of a “Home” page with three main content pages: “Menu,” “Music,” and “Jobs.”

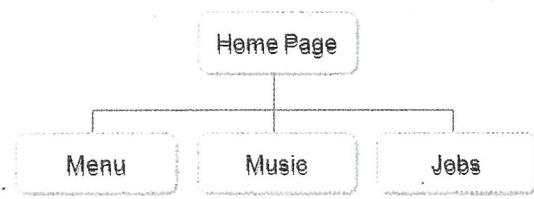


Figure 2.30 JavaJam site map

Figure 2.31 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.

You have three tasks in this case study:

1. Create a folder for the JavaJam website.
2. Create the Home page: index.html.
3. Create the Menu page: menu.html.

Hands-On Practice Case Study

Task 1: Create a folder on your hard drive or portable storage device (thumb drive or SD card) called "javajam" to contain your JavaJam website files.

Task 2: The Home Page. You will use a text editor to create the Home page for the JavaJam Coffee House website. The Home page is shown in Figure 2.32.

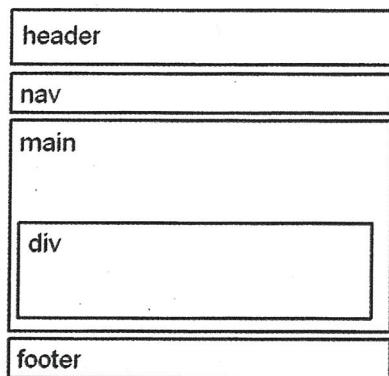


Figure 2.31 JavaJam wireframe

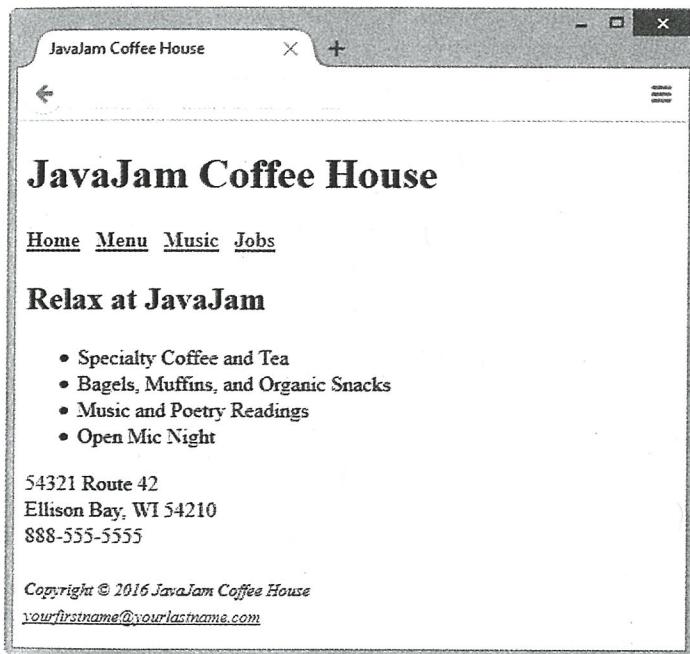


Figure 2.32 JavaJam index.html

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 a business website.
2. **Wireframe Header.** Code the header element with the text, "JavaJam Coffee House" contained within a heading 1 element.

- 3. Wireframe Navigation.** Place the following text within a nav element with bold text (use the **** element):

Home Menu Music Jobs

Code anchor tags so that “Home” links to index.html, “Menu” links to menu.html, “Music” links to music.html, and “Jobs” links to jobs.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:

Relax at JavaJam

- b. Configure the following content in an unordered list:

Specialty Coffee and Tea

Bagels, Muffins, and Organic Snacks

Music and Poetry Readings

Open Mic Night

- c. Code the following address and phone number contact information within a div element. Use line break tags to help you configure this area and add extra space between the phone number and the footer area.

54321 Route 42

Ellison Bay, WI 54210

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 © 2016 JavaJam Coffee House

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

The page in Figure 2.32 may seem a little sparse, but don’t worry; as you gain experience and learn to use more advanced techniques, your pages will look more professional. White space (blank space) on the page can be added with **
** tags where needed. Your page does not need to look exactly the same as the sample. Your goal at this point should be to practice and get comfortable using HTML.

Save your page in the javajam folder, and name it index.html.

Task 3: The Menu Page. Create the Menu page shown in Figure 2.33. 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 Menu page will use the index.html page as a starting point.

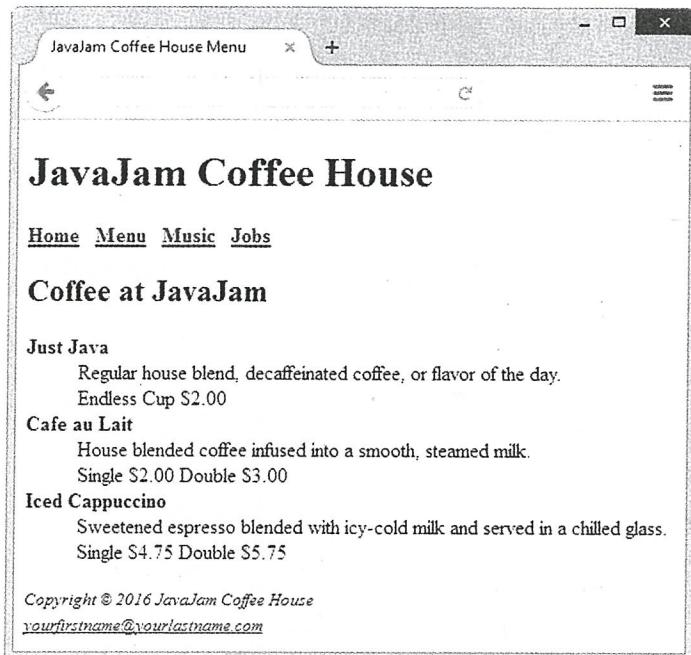


Figure 2.33 JavaJam menu.html

Open the index.html page for the JavaJam website in a text editor. Select File > Save As, and save the file with the new name of menu.html in the javajam 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:

JavaJam Coffee House Menu

2. Wireframe Main Content.

- a. Delete the Home page content unordered list and contact information.

- b. Replace the text in the h2 element with the following:

Coffee at JavaJam

- c. Use a description list to add the menu content to the page. Use the <dt> tag to contain each menu item name. Configure the menu item name to have strong importance and display in bold font weight with the tag. Use the <dd> tag to contain the menu item description. Configure line break tags as needed to display two lines of information within each dd element. The menu item names and descriptions are as follows:

Just Java

Regular house blend, decaffeinated coffee, or flavor of the day.

Endless Cup \$2.00

Cafe au Lait

House blended coffee infused into a smooth, steamed milk.

Single \$2.00 Double \$3.00

Iced Cappuccino

Sweetened espresso blended with icy-cold milk and served in a chilled glass.

Single \$4.75 Double \$5.75

Save your page, and test it in a browser. Test the hyperlink from the menu.html page to index.html. Test the hyperlink from the index.html page to menu.html. If your links do not work, review your work, paying close attention to these details:

- Verify that you have saved the pages with the correct names in the correct folder.
- Verify your spelling of the page names in the anchor elements.

Test again after you make changes.

Fish Creek Animal Hospital

Magda Patel is a veterinarian and owner of the Fish Creek Animal Hospital. Her customers are local pet owners who range from children to senior citizens. Magda would like a website to provide information to her current and potential customers. She has requested a home page, a services page, a page for advice from a veterinarian, and a contact page.

A site map for the Fish Creek Animal Hospital website is shown in Figure 2.34. The site map describes the architecture of the website, which consists of a “Home” page with three main content pages: “Services,” “Ask the Vet,” and “Contact.”

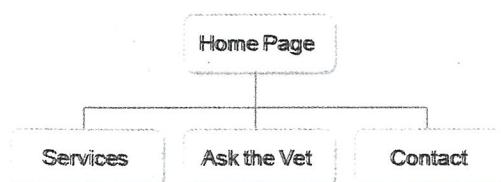


Figure 2.34 Fish Creek site map

Figure 2.35 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.

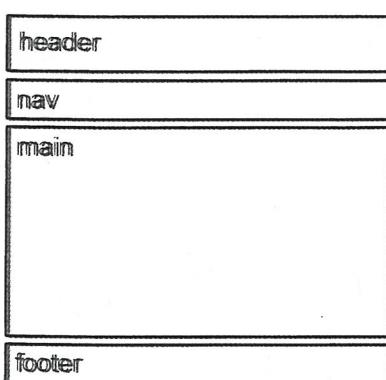


Figure 2.35 Fish Creek wireframe

You have three tasks in this case study:

1. Create a folder for the Fish Creek website.
2. Create the Home page: index.html.
3. Create the Services page: services.html.

Hands-On Practice Case Study

Task 1: Create a folder on your hard drive or portable storage device (thumb drive or SD card) called “fishcreek” to contain your Fish Creek website files.

Task 2: The Home Page. You will use a text editor application to create the Home page for the Fish Creek Animal Hospital website. The Home page is shown in Figure 2.36.

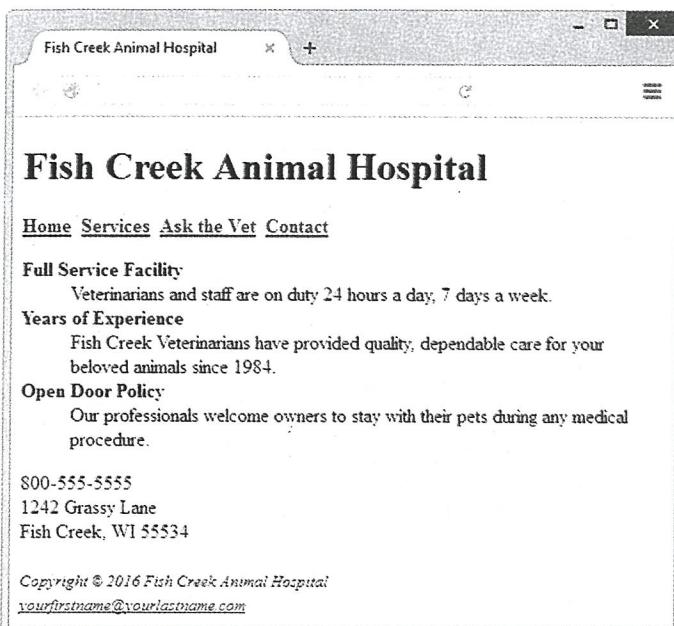


Figure 2.36 Fish Creek index.html

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 a business website.
- 2. Wireframe Header.** Code the header element with the text, “Fish Creek Animal Hospital” contained within a heading 1 element.
- 3. Wireframe Navigation.** Place the following text within a nav element with bold text (use the **** element)

Home Services Ask the Vet Contact

Code anchor tags so that “Home” links to index.html, “Services” links to services.html, “Ask the Vet” links to askvet.html, and “Contact” links to contact.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.
 - Code the following content in a description list. Configure the text in each dt element to have strong importance and display in bold font weight:

Full Service Facility

Veterinarians and staff are on duty 24 hours a day, 7 days a week.

Years of Experience

Fish Creek Veterinarians have provided quality, dependable care for your beloved animals since 1984.

Open Door Policy

Our professionals welcome owners to stay with their pets during any medical procedure.

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

800-555-5555

1242 Grassy Lane

Fish Creek, WI 55534

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

Copyright © 2016 Fish Creek Animal Hospital

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

The page in Figure 2.36 may seem a little sparse, but don't worry; as you gain experience and learn to use more advanced techniques, your pages will look more professional. White space (blank space) on the page can be added with
 tags where needed. Your page does not need to look exactly the same as the sample. Your goal at this point should be to practice and get comfortable using HTML.

Save your page in the fishcreek folder, and name it index.html.

Task 3: The Services Page. Create the Services page shown in Figure 2.37. 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 Services page will use the index.html page as a starting point.

Open the index.html page for the Fish Creek website in a text editor. Select File > Save As, and save the file with the new name of services.html in the fishcreek folder. Now you are ready to edit the page.

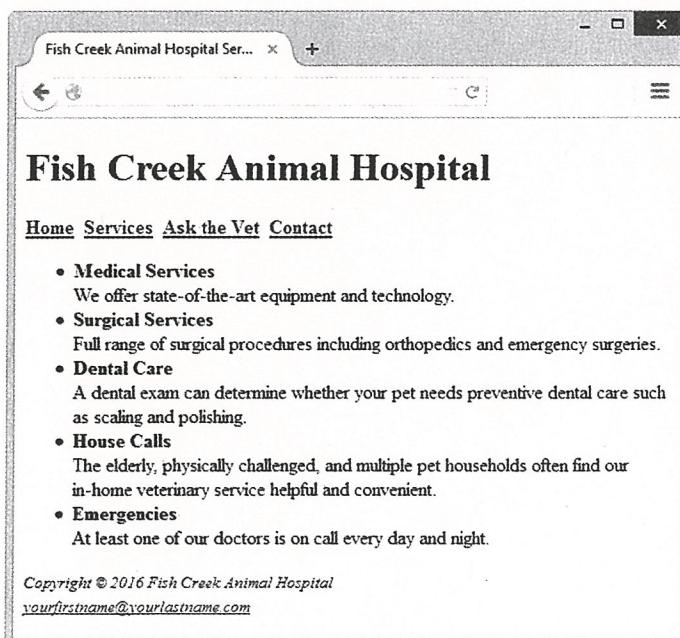


Figure 2.37 Fish Creek services.html

- 1. Web Page Title.** Modify the page title. Change the text contained between the <title> and </title> tags to the following:

Fish Creek Animal Hospital Services

2. Wireframe Main Content.

- a. Delete the Home page content description list and contact information.
- b. Use an unordered list to add the services content to the page. Configure the name of each services category to use bold font weight and have strong emphasis. (Use the tag.) Use line break tags to help you configure this area. The service categories and descriptions are as follows:

Medical Services

We offer state-of-the-art equipment and technology.

Surgical Services

Full range of surgical procedures including orthopedics and emergency surgeries.

Dental Care

A dental exam can determine whether your pet needs preventive dental care such as scaling and polishing.

House Calls

The elderly, physically challenged, and multiple pet households often find our in-home veterinary service helpful and convenient.

Emergencies

At least one of our doctors is on call every day and night.

Save your page, and test it in a browser. Test the hyperlink from the services.html page to index.html. Test the hyperlink from the index.html page to services.html. If your links do not work, review your work, paying close attention to these details:

- Verify that you have saved the pages with the correct names in the correct folder.
- Verify your spelling of the page names in the anchor elements.

Test again after you make changes.

Pacific Trails Resort

Melanie Bowie is the owner of Pacific Trails Resort, located on the California North Coast. The resort offers a quiet getaway, with luxury camping in yurts along with an upscale lodge for dining and visiting with fellow guests. The target audience for Pacific Trails Resort is couples who enjoy nature and hiking. Melanie would like a website that emphasizes the uniqueness of the location and accommodations. She would like the website to include a home page, a page about the special yurt accommodations, a reservations page with a contact form, and a page to describe the activities available at the resort.

A site map for the Pacific Trails Resort website is shown in Figure 2.38. The site map describes the architecture of the website, which consists of a "Home" page with three main content pages: "Yurts," "Activities," and "Reservations."

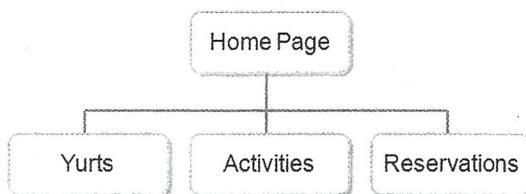


Figure 2.38 Pacific Trails Resort site map

Figure 2.39 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.

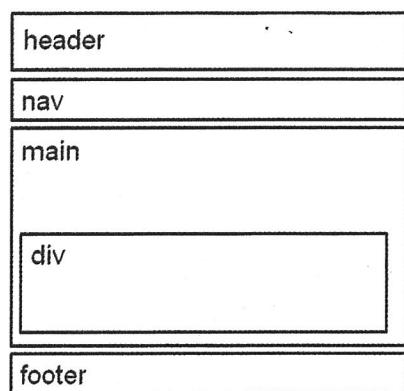


Figure 2.39 Pacific Trails Resort wireframe

You have three tasks in this case study:

1. Create a folder for the Pacific Trails website.
2. Create the Home page: index.html.
3. Create the Yurts page: yurts.html.

Hands-On Practice Case Study

Task 1: Create a folder on your hard drive or portable storage device (thumb drive or SD card) called “pacific” to contain your Pacific Trails Resort website files.

Task 2: 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 2.40.



Figure 2.40 Pacific Trails Resort index.html

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 a business website.
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. Relax in serenity with panoramic views of the Pacific Ocean.

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

Private yurts with decks overlooking the ocean

Activities lodge with fireplace and gift shop

Nightly fine dining at the Overlook Cafe

Heated outdoor pool and whirlpool

Guided hiking tours of the redwoods

- 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 © 2016 Pacific Trails Resort

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

The page in Figure 2.40 may seem a little sparse, but don’t worry; as you gain experience and learn to use more advanced techniques, your pages will look more professional. White space (blank space) on the page can be added with **
** tags where needed. Your page does not need to look exactly the same as the sample. Your goal at this point should be to practice and get comfortable using HTML.

Save your page in the pacific folder, and name it index.html.

Task 3: The Yurts Page. Create the Yurts page shown in Figure 2.41. 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.

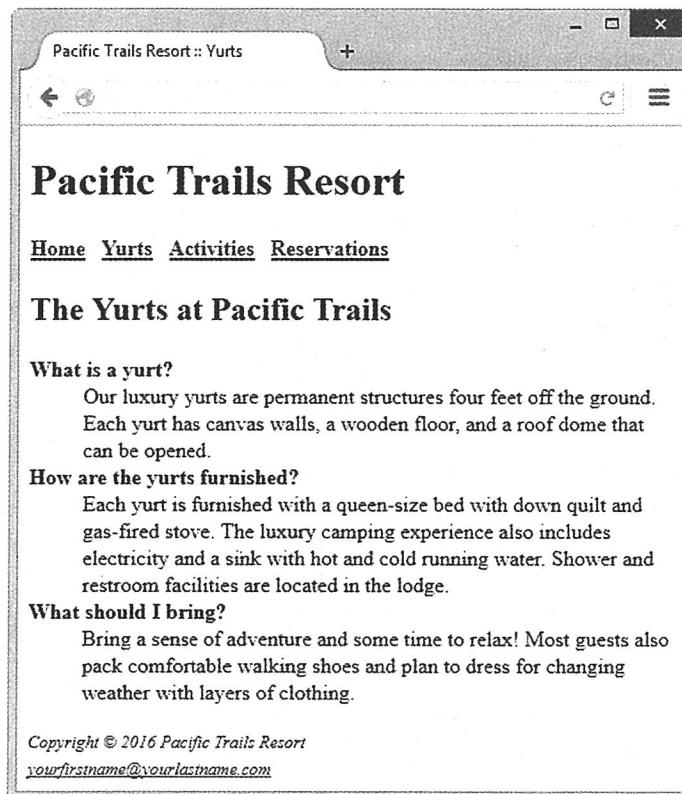


Figure 2.41 Pacific Trails Resort yurts.html

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 has 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. The luxury camping experience also includes electricity and a sink with hot and cold running water. Shower and restroom facilities are located in the lodge.

What should I bring?

Bring a sense of adventure and some time to relax! Most guests also pack comfortable walking shoes and plan to dress for changing weather with layers of clothing.

Save your page, and test it in a browser. Test the hyperlink from the `yurts.html` page to `index.html`. Test the hyperlink from the `index.html` page to `yurts.html`. If your links do not work, review your work, paying close attention to these details:

- Verify that you have saved the pages with the correct names in the correct folder.
- Verify your spelling of the page names in the anchor elements.

Test again after you make the changes.

Path of Light Yoga Studio

Path of Light Yoga Studio is a small, recently opened yoga studio. The owner, Ariana Starrweaver, would like a website to showcase her yoga studio and provide information for both new and current students. Ariana would like a home page, a classes page that contains information about the types of yoga classes offered, a schedule page, and a contact page.

A site map for the Path of Light Yoga Studio website is shown in Figure 2.42. The site map describes the architecture of the website, which consists of “Home” page with three main content pages: “Classes,” “Schedule,” and “Contact.”

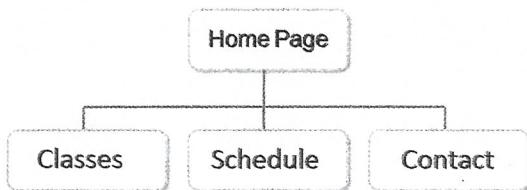


Figure 2.42 Path of Light Yoga Studio site map

Figure 2.43 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.

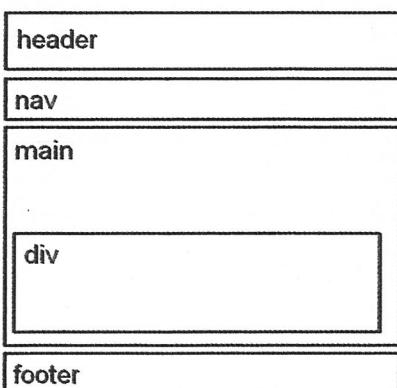


Figure 2.43 Path of Light Yoga Studio wireframe

You have three tasks in this case study:

1. Create a folder for the Path of Light Yoga Studio website.
2. Create the Home page: index.html.
3. Create the Classes page: classes.html.

Hands-On Practice Case Study

Task 1: Create a folder on your hard drive or portable storage device (thumb drive or SD card) called “yoga” to contain your Path of Light Yoga Studio web page files.

Task 2: The Home Page. You will use a text editor to create the Home page for the Path of Light Yoga Studio website. The Home page is shown in Figure 2.44.

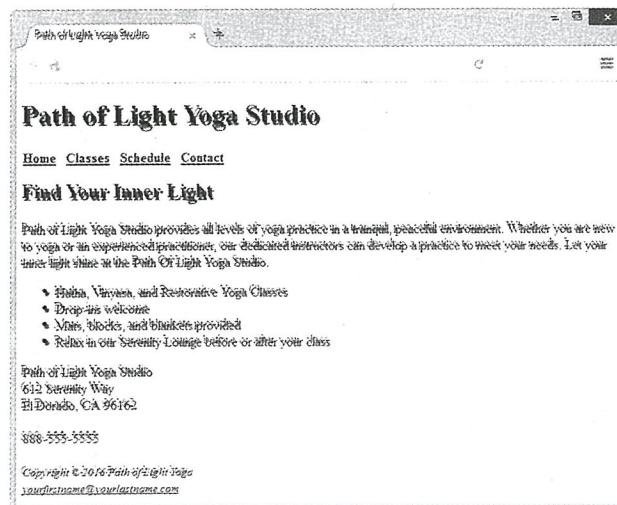


Figure 2.44 Path of Light Yoga Studio index.html

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 a business website.
2. **Wireframe Header.** Code the header element with the text, “Path of Light Yoga Studio” contained within a heading 1 element.
3. **Wireframe Navigation.** Place the following text within a nav element with bold text (use the **** element):

Home Classes Schedule Contact

Code anchor tags so that “Home” links to index.html, “Classes” links to classes.html, “Schedule” links to schedule.html, and “Contact” links to contact.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:

Find Your Inner Light

b. Configure the following sentences in a paragraph:

Path of Light Yoga Studio provides all levels of yoga practice in a tranquil, peaceful environment. Whether you are new to yoga or an experienced practitioner, our dedicated instructors can develop a practice to meet your needs. Let your inner light shine at the Path of Light Yoga Studio.

c. Configure the following content in an unordered list:

Hatha, Vinyasa, and Restorative Yoga classes

Drop-ins welcome

Mats, blocks, and blankets provided

Relax in our Serenity Lounge before or after your class

d. Code the following address and phone number contact information within a div element. Use line break tags to help you configure this area and add extra space between the phone number and the footer area.

Path of Light Yoga Studio

612 Serenity Way

EI Dorado, CA 96162

888-555-5555

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

Copyright © 2016 Path of Light Yoga

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

The page in Figure 2.44 may seem a little sparse, but don't worry; as you gain experience and learn to use more advanced techniques, your pages will look more professional. White space (blank space) on the page can be added with
 tags where needed. Your page does not need to look exactly the same as the sample. Your goal at this point should be to practice and get comfortable using HTML.

Save your page in the yoga folder, and name it index.html.

Task 3: The Classes Page. Create the Classes page shown in Figure 2.45. 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 Classes page will use the index.html page as a starting point.

Open the index.html page for the Path of Light Yoga Studio website in a text editor. Select File > Save As, and save the file with the new name of classes.html in the yoga folder. Now you are ready to edit the page.

1. Web Page Title. Modify the page title. Change the text contained between the and tags to the following:

Path of Light Yoga Studio :: Classes

2. Wireframe Main Content.

a. Delete the Home Page content paragraphs, unordered list, and contact information.

b. Configure the following text in the heading 2 element:

Yoga Classes

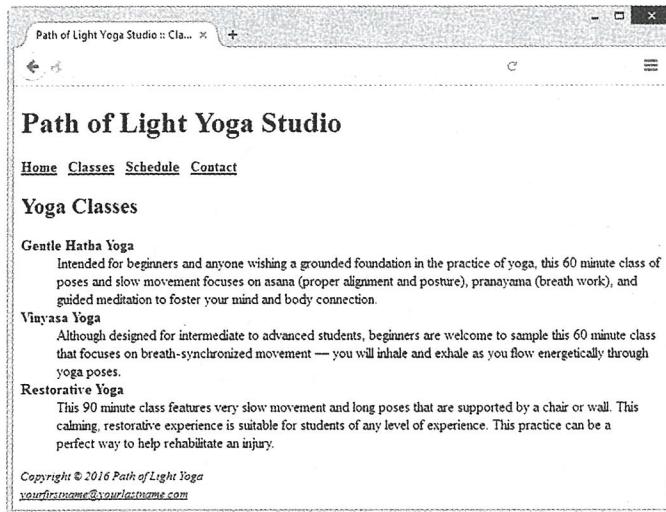


Figure 2.45 Path of Light Yoga Studio classes.html

- c. Use a description list to configure information about the yoga classes. Configure the name of each class to have strong importance and bold font weight (use the `` phrase element) within a `dt` element. Configure `<dd>` elements for the class descriptions. The information follows:

Gentle Hatha Yoga

Intended for beginners and anyone wishing a grounded foundation in the practice of yoga, this 60 minute class of poses and slow movement focuses on asana (proper alignment and posture), pranayama (breath work), and guided meditation to foster your mind and body connection.

Vinyasa Yoga

Although designed for intermediate to advanced students, beginners are welcome to sample this 60 minute class that focuses on breath-synchronized movement—you will inhale and exhale as you flow energetically through yoga poses.

Restorative Yoga

This 90 minute class features very slow movement and long poses that are supported by a chair or wall. This calming, restorative experience is suitable for students of any level of experience. This practice can be a perfect way to help rehabilitate an injury.

Save your page, and test it in a browser. Test the hyperlink from the `classes.html` page to `index.html`. Test the hyperlink from the `index.html` page to `classes.html`. If your links do not work, review your work with close attention to these details:

- Verify that you have saved the pages with the correct names in the correct folder.
- Verify your spelling of the page names in the anchor elements.

Test again after you make the changes.