

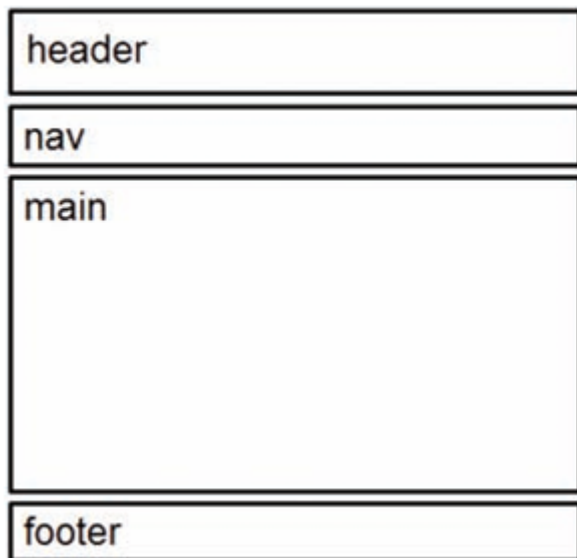
CASE STUDY

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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.



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.”



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 Fish Creek website.
2. Create the Home page: index.html.
3. Create the Services page: services.html.

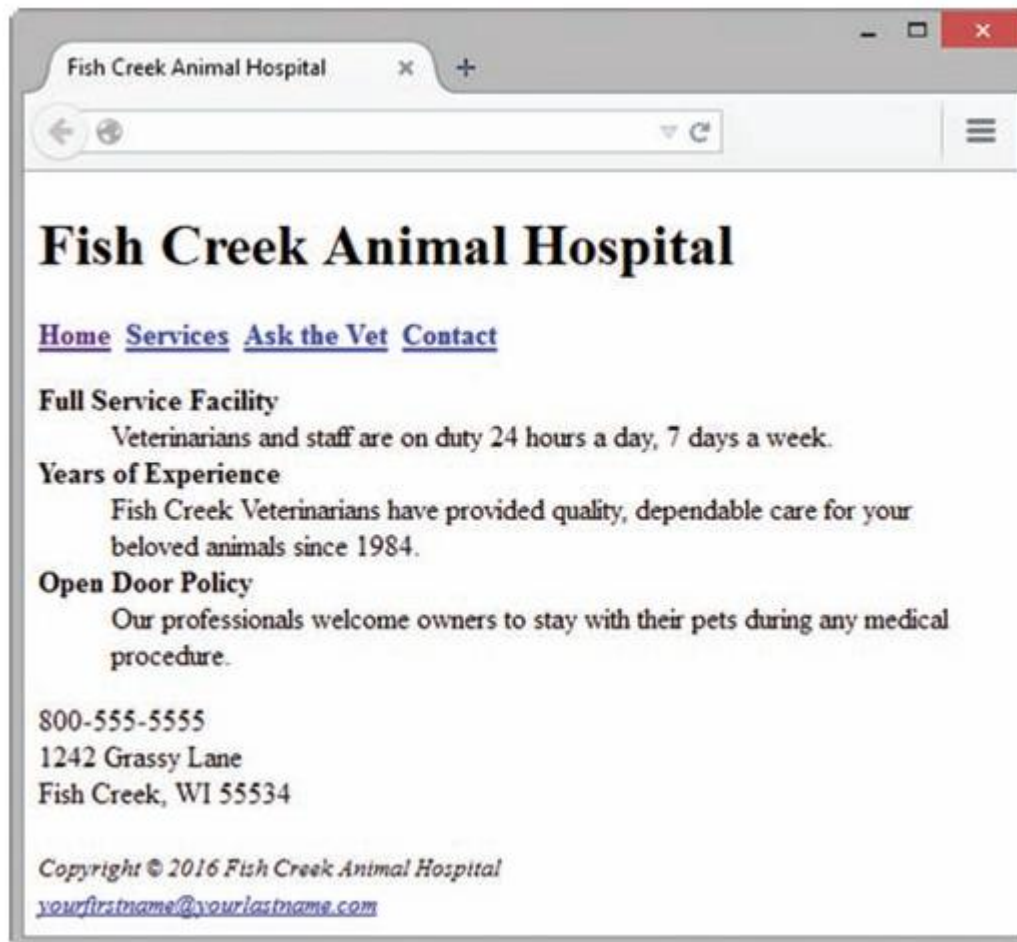
Hands-On Practice Case Study

Task 1: Folder

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.



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.
 - a. 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 <small> tag) and italics font style (use the <i> tag).

Copyright © 2016 Fish Creek Animal Hospital

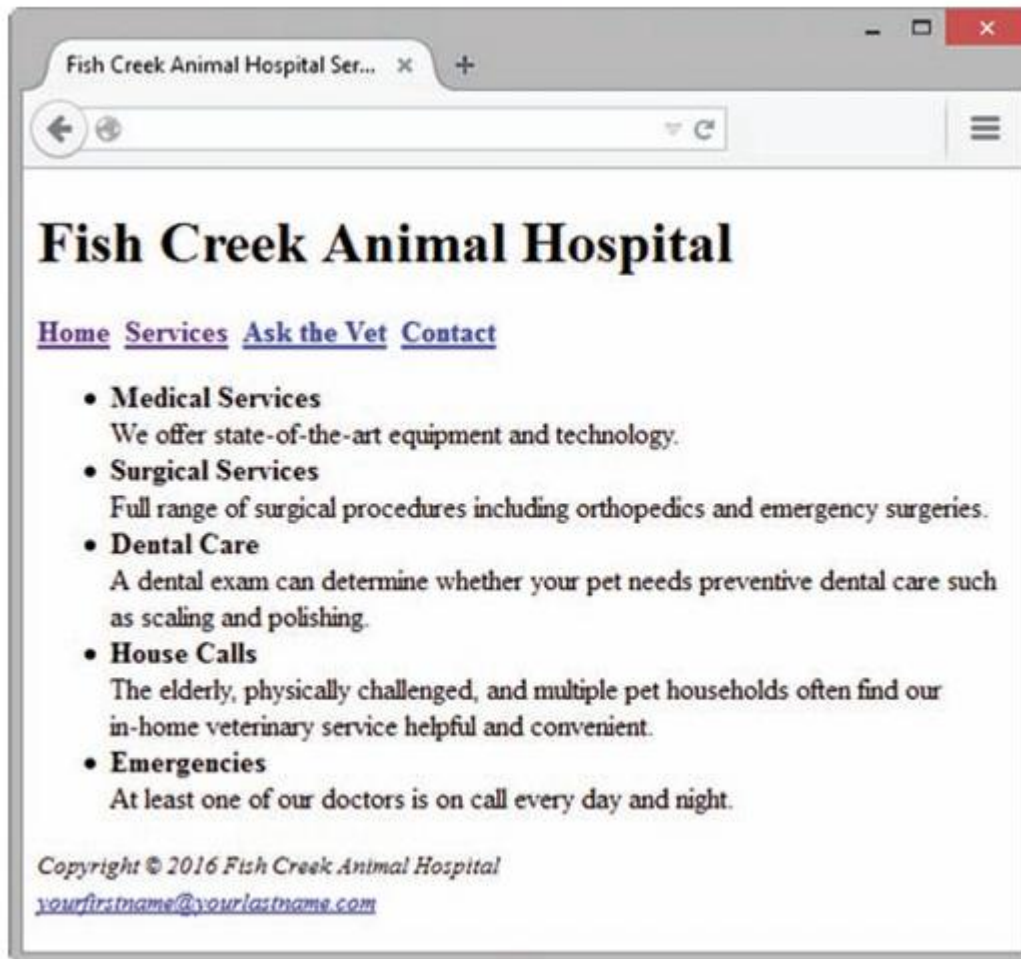
Place your name in an e-mail link on the line under the copyright.

The page in Figure on the top 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



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.

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 inhome 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:

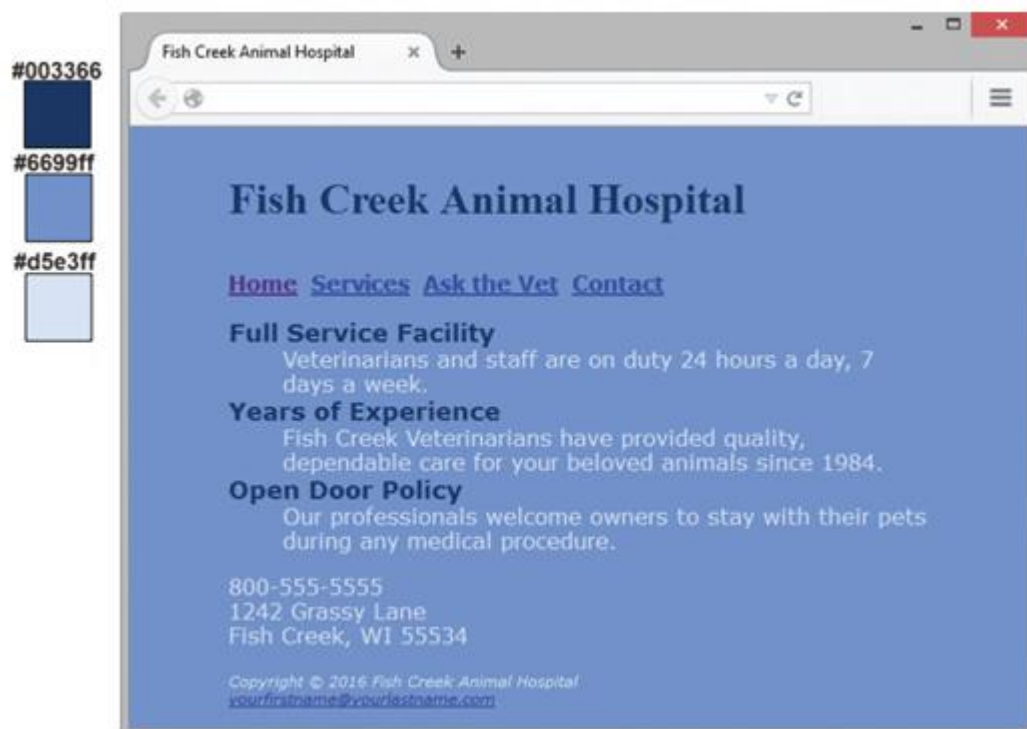
- Verify that you have saved the pages with the correct names in the correct folder.
- Verify your spelling of the page names in the anchor elements. Test again after you make changes.

(^^^)
(_____===== **CSS** =====)
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You will develop a new version that uses an external style sheet to configure text and color.

You have the following tasks:

1. Create a new folder for this Fish Creek case study.
2. Create an external style sheet named fishcreek.css that configures the color and text for the Fish Creek website.
3. Modify the Home page to utilize an external style sheet to configure colors and fonts. The new Home page and color swatches are shown in Figure.



4. Modify the Services page to be consistent with the new Home page.
5. Configure centered page layout.

Hands-On Practice Case Study

Task 1:

Create a folder on your hard drive or portable storage device called fishcreekcss. Copy all the files from your previous project fishcreek folder into the fishcreekcss folder.

Task 2: The External Style Sheet.

You will use a text editor to create an external style sheet named fishcreek.css. Code the CSS to configure the following:

1. Global styles for the document (use the body element selector) with background color #6699FF; text color #D5E3FF; and Verdana, Arial, or any sans-serif font.
2. Styles for the header element selector that configure background color #6699FF, text color #003366, and serif font.
3. Styles for the h1 element selector that configure 200% line height.
4. Styles for the nav element selector that display text in bold.
5. Styles for a class named category with bold font, background color #6699FF, text color #003366, and larger font size (1.1em).
6. Styles for the footer element selector with a small font size (.70em) and italic text.

Save the file as fishcreek.css in the fishcreekcss folder. Check your syntax with the CSS validator (<http://jigsaw.w3.org/css-validator>). Correct and retest if necessary.

Task 3: The Home Page.

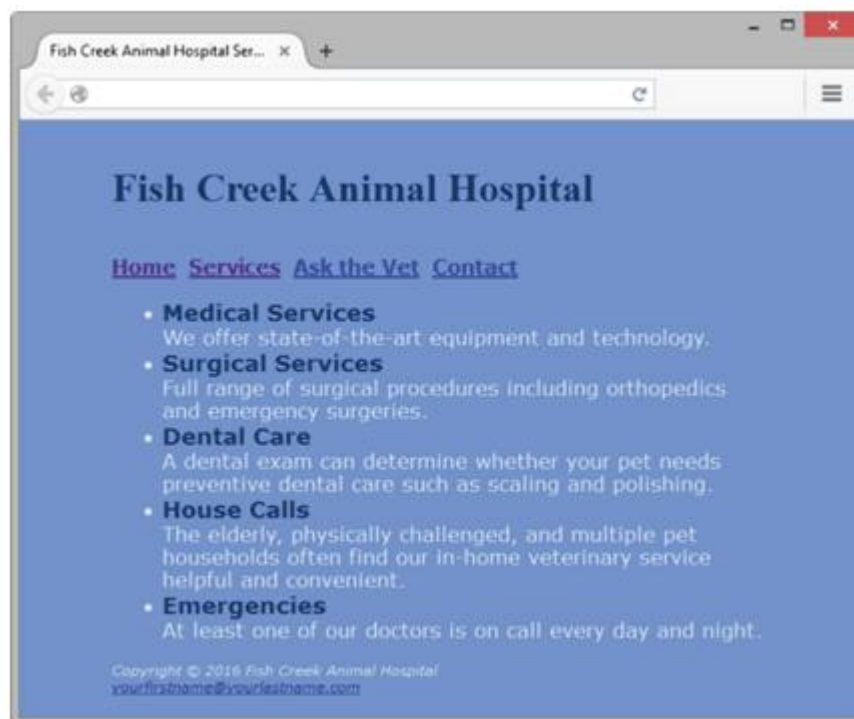
Launch a text editor, and open the index.html file. You will modify this file to apply styles from the fishcreek.css external style sheet as follows:

1. Add a <link> element to associate the web page with the fishcreek.css external style sheet file.
2. Configure the navigation area. Remove the element from the navigation area, because the CSS will configure the bold font style.
3. Configure each <dt> element to apply the category class. Hint <dt class="category">. Remove the tags, because the CSS will configure the bold font style.
4. Configure the page footer area. Remove the <small> and <i> elements—they are no longer needed since CSS is now used to configure the text.

Save the index.html file, and test in a browser. Your page should look similar to the one shown in Figure on the top except that your page content will be left-aligned instead of indented from the margins. Don't worry—you'll configure your page layout in Task 5 of this case study.

Task 4: The Services Page.

Launch a text editor, and open the services.html file. You will modify this file in a similar manner: Add the <link> element, configure the navigation area and page footer areas, configure the category classes (Hint: Use the element to contain the name of each service offered), and remove the strong tags.) Save and test your new services.html page. It should look similar to the one shown in Figure



except for the alignment.

Task 5: Center Page Layout with CSS.

Modify fishcreek.css, index.html, and services.html to configure page content that is centered with 80% width.

1. Launch a text editor, and open the fishcreek.css file. Add a style rule for an id named wrapper with width set to 80%, margin-right set to auto, and margin-left set to auto.

2. Launch a text editor, and open the index.html file. Add the HTML code to configure a div element assigned to the id wrapper that “wraps,” or contains, the code within the body section. Save and test your index.html page in a browser and you’ll notice that the page content is now centered within the browser viewport as shown in Figure on top.
3. Launch a text editor, and open the services.html file. Add the HTML code to configure a div element assigned to the id wrapper that “wraps,” or contains, the code within the body section. Save and test your services.html page in a browser and you’ll notice that the page content is now centered within the browser viewport as shown in Figure 3.32.

Experiment with modifying the fishcreek.css file. Change the page background color, the font family, and so on. Test your pages in a browser. Isn’t it amazing how a change in a single file can affect multiple files when external style sheets are used?

ASSIGNMENT SUBMISSION:

Compress the JavaJam folder and send it to Google Drive

https://docs.google.com/forms/d/e/1FAIpQLSeAhfBOmNkIm-jsVV7J7BN-gi52z_dzIFzI_HWQdo-GOrtXBQ/viewform?usp=dialog

