

Web Programming I (420-H10-HR)

Assignment 3 – Finished Website

Date assigned: Monday, November 17, 2025

Date due: **Friday, December 12, 2025**

Learning Objectives

Upon successful completion of this assignment, the student will be able to:

- Create a web page containing images
- Create a web page containing a video

To do:

1. Using VS Code, clone the GitHub Classroom assignment to your OneDrive:**\420-H10\Assignments** folder
2. Create a folder inside the **420-H10-A03** directory named **YourInitialYourLastName_H10A03**. Copy all the folders for the website developed in the last assignment into this folder.
3. Update your website so that the layout changes for bigger viewports. You should take advantage of the space available and avoid single-column design/paragraphs spanning across the screen.
4. Complete your site, updating any pages as required and completing any remaining pages necessary. At a minimum you must have pages as follows:
 - a. **Home page** (MUST BE CALLED index.html). Add a second paragraph after the one you created in the previous assignment. The content will have relative links to the associated pages listed. This paragraph must reference other pages on your website. Such as (underlines indicate links):

Our highly qualified staff is committed to blah blah the company's mission of providing quality services for all your blah blah needs. We offer flexible hours and competitive rates and you can read about what some of our satisfied customers have to say. If you have like further information about our services, please fill out our inquiries form. We also have links to other websites of interest to blah blah and a map and directions to our location are available for your convenience.
 - b. **Hours or equivalent** – using a table or tables to indicate the hours of operation of all or part of your company.

- c. **Rates or equivalent** – using a table or tables to indicate the rates of various services or products for your company.
- d. **Contact Us** – uses a form to allow visitors to send you a message. The form must contain text fields, radio buttons, check boxes, a text area, a dropdown list, and a submit button. Use fieldsets to group radio buttons and check boxes. Example:

First Name:	Text box
Last Name:	Text box
E-mail Address:	Text box
Type of Pet:	Radio button, with dog and cat as the choices
I would like more information about the following:	Check boxes, with the following choices: Dog runs Length of stay Meals Reservations Vaccinations
Enter any additional questions that you have:	<u>Textarea</u>
How did you find out about us?	List box, with 2 optgroups: Internet Search Engine (e.g. Google, Yahoo) Link from another web site Non-Internet Referred by a friend Advertisement Flyer/Mailing
Submit and Cancel buttons	

- e. **Testimonials** – contains a paragraph or more in a different format from a client or clients about your company. Includes the video from Lab 12 about your company complete with a poster. The video should be in the media folder created in assignment #1. Example:

Analog Nirvana is really THE place to go when you need a dear-old beloved vintage analog electronic musical instrument repaired or serviced. Their service is very reliable!
Margaret W., Gatineau, QC

They have an out-of-this-world selection of synths, and their staff is awesome! I'll be coming back again and again, and I would recommend them to any musical enthusiast!
John P., Ottawa, ON

Include following the text, the video that was completed in the multimedia lab, and the format and size of the video (so that visitors to the website know what to expect). Add an appropriate image as a poster for the video.

- f. **Staff or equivalent** – includes photos from Lab 12 of classmates/family members and a brief description of their job, interests, etc. Example:

Brent's photo	Brent is responsible for booking your pet's stay at Happy Valley Kennel and for keeping the office running. Brent has been with HVK since 2001 and has become a valued member of the team. Brent is also the proud owner of Grizzly, a Yorkshire Terrier.
Charlie's photo	Charlie has been with Happy Valley Kennel for 10 years and has worked in all areas of the business. He has always been passionate about animals and treats each pet as if it were his own. Charlie has a pet cat named Angel.
Michelle's photo	Michelle joined the staff at Happy Valley Kennel in the spring of 2004. She graduated from Algonquin College in 1990 and has many years of experience in boarding kennels. Her compassion and experience are evident as she cares for your pets.
Sam's photo	Sam is in his first year at Heritage College in the Science program, in preparation for university, where he plans to study veterinary medicine. He works at HVK on weekends and after school. Sam is responsible for taking care of your pets while they are here in boarding, as well as making sure the facility is clean inside and out.

- g. **Links page** – includes links to related websites. These must be real websites! They also must be related to your business in some way. Do not use the default list style on your links page. Make sure all links open in a new window. Example:

Related Links:

Suppliers and wholesalers:

- Wolseley
- Boone
- Master

Brands of equipment we specialize in:

- Rheem
- Goodman
- Bryant
- Lennox
- Carrier

Information about the industry:

- PopularMechanics
- HRAI
- Natural Resources: Air Conditioning
- TSSA

- h. Any other pages or second-level pages to make your site complete.

5. You must use at least 5 CSS custom properties on your site.
6. You must use at least 3 advanced features of CSS that may not have been covered in the lectures but were covered in the labs. You also have the option of using advanced CSS features that have not been covered in the course. Make sure it is supported by Firefox, Chrome, and Safari. If you'd like to use something not covered here, please come to me to get approval.

Examples may include but are not limited to:

- Absolutely position images as accents (lab 10)
- Neon glowing font (lab 11)
- Angled headers (lab 10)
- Bootstrap (week 15)
- Cascade Layers (week 15)
- CSS animations using keyframes
- Functional pseudo-classes (`:not()`, `:where()`, `:is()`)
- Dark/light mode (using `@media (prefers-color-scheme)`)
- Subgrid

As with the last assignment, ensure your use is non-trivial.

7. Choose an appropriate domain name for the website. Check its availability. When you have found an appropriate domain name that is available, include the domain name in the header section of the web page and any e-mail address on any of your other pages. Make sure to update all pages with the domain name.
8. Make sure your site works properly on mobile and desktop devices. You must re-deploy your website to the **CSDev Server** to do this. Test this early! Just like in the last assignment, add a link in the **README.md** to your website folder. For the sake of your Program Exit Assessment portfolio, also host it on [GitHub Pages](#) and include the link in your README.md. This means you should have two links in your README.md – one for CSDEV Server and the other for GitHub Pages.

Test your web site (both on screen and on mobile) to ensure the following:

- No Broken Links. All links are checked and work.
- No Broken Images. All images work.
- All pages use "jpg" or "gif" or "png" image files, not "bmp," or "psd" files.
- Each page contains "text links" to central pages on the website.
- Each page has a common look and feel.
- Each page has a title and heading that tells the user what its larger goal is.

- Each page uses the basic principles of alignment to lay out text, images, and graphics on a page. The material should not be thrown on the page but laid out according to a larger grid strategy.
- A website should include a set of linked pages that go together based on a larger theme. A website isn't just one web page.
- All media is sourced, including media created by yourself, or AI generators.

To submit

Submissions are strictly on GitHub. No Moodle submissions will be graded.

Run the following commands often in the VS Code terminal (**Ctrl + `**) to commit your changes:

```
git add .
git commit -m "your commit message"
git push
```