3.0 hours

# Project 6

# SVG Site Update

### Why can’t I submit this project yet?

You must first complete all prior Techdegree content before you can submit this project. Additionally, you cannot submit more than one project at a time.

Submit for Peer Review

Your current activity is Animating SVG with CSS.

- Instructions
- How you'll be graded

Graphics are an important part of any website. They add visual appeal and help translate complex ideas into easy to understand imagery. One type of image, SVG (scalable vector graphics) is becoming a widely used graphics format, replacing other types of images on many websites, because of SVGs better performance. This project challenges you to optimize a web page by using common techniques for adding this streamlined image format to web pages.

## Before you start

To prepare for this project you'll need to make sure you complete and understand these steps.

2 steps

- **Have a GitHub account and know how to create a new repository and upload files to it.**
    - As with the previous projects, you'll submit your finished working using GitHub.
- **Download the project files.**

## Project Instructions

To complete this project, follow the instructions below. If you get stuck, ask a question in the community.

9 steps

- **Replace the background pattern PNG with the matching SVG (background.svg). Use CSS to resize the SVG to match the original design.**

- **Replace rasterized PNG logo with the SVG logo image of the same size (logo.svg): use the inline SVG method to add it (you'll use CSS to modify the image).**
- **At a page width of less than 420 pixels remove the text from the logo and add an H1 tag that contains the logo text.**
- **Replace dogs with SVG images of the same size using the `<img>` tag.**
- **Change icons in the menu from rasterized images to inline SVGs keeping the original image size the same.**
- **When a user hovers over a nav menu item, use CSS to change the color of both the text and the inline SVG.**
- **When submitting your project be sure to make a note in the comments which browsers and versions you have tested with.**
- **And remember you can only use an 'ID' once so double check the SVG images when adding them.**
- **Make sure to check your code is valid by running it through an HTML and CSS validator.**
    - Links to the validators can be found in the Project Resources. This will help you spot any errors that might be in your code.
    - **There are a few exceptions that you don't need to fix:**
        - Don't worry about any warnings, we just need you to check any errors that might be there.
        - If CSS validator flags use of calc, vendor prefixes or pseudo-elements/pseudo-classes these errors should be ignored.
        - If HTML validator flags use of pipe ('|') in Google font links/URLs this error can also be ignored.
        - The CSS Validator does not recognize the SVG attributes like fill as valid attributes. Take a look at the SVG Attribute Reference for SVG attributes that are acceptable even if they do not pass the validator.

# Extra Credit

To get an "exceeds" rating, you can expand on the project in the following ways:

3 steps

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- **NOTE:** To get an "Exceeds Expectations" grade for this project, you'll need to "exceed" on **every** requirement that has an "Exceeds Expectations" option.

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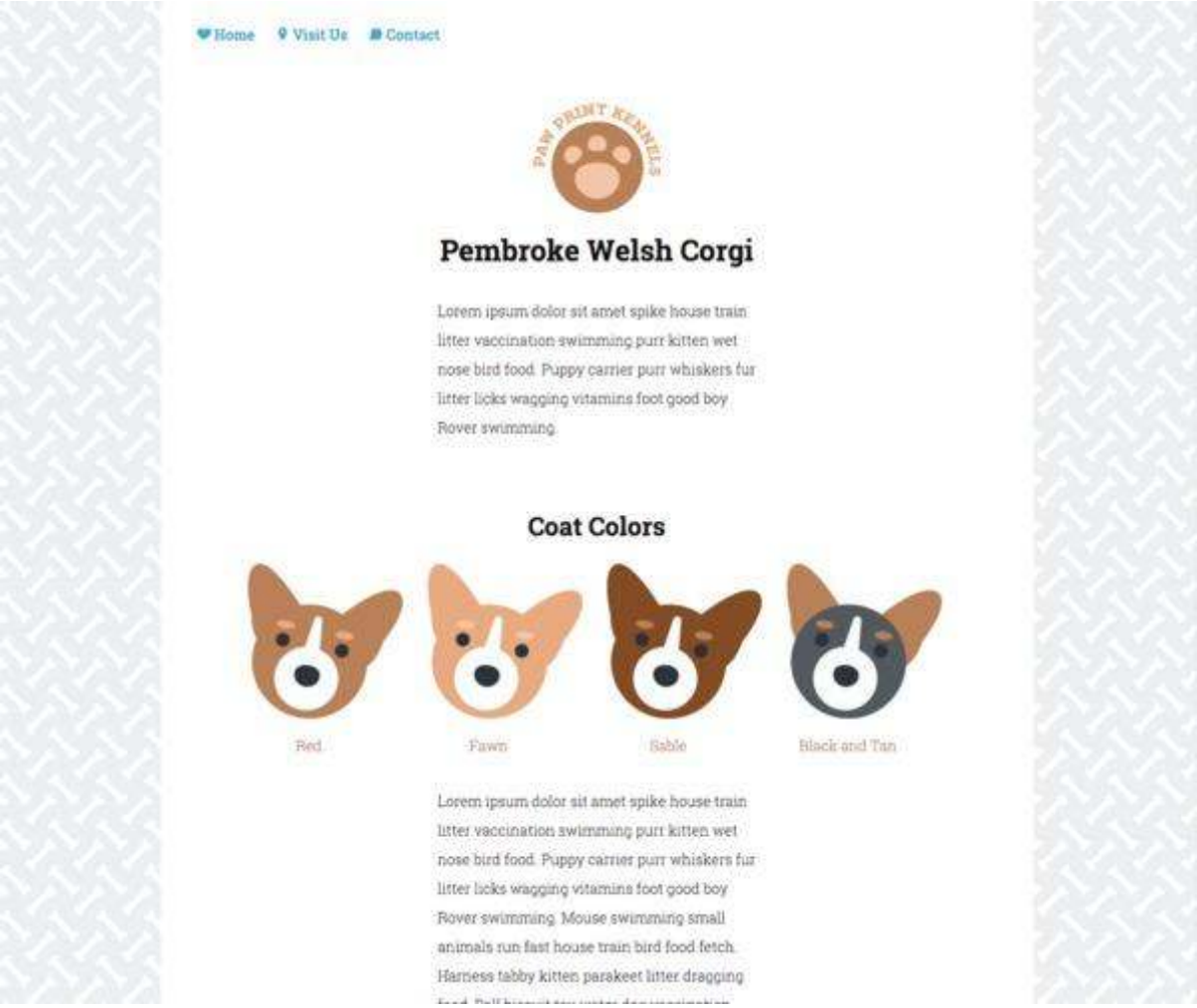
- **Use inline SVGs for the images of the dogs and then change the color of the dogs' coats using a CSS style sheet to match the original colors of the dogs. (You can find the colors used by looking at the CSS within the SVG dog files)**
- **Add additional CSS effects, like transition effects to the menu icon hover state.**




## Download files

Zip file

## Project Resources

Course

**SVG Basics**

Course

**Animating SVG with CSS**

Course

**Responsive SVGs**

External Link

**CSS-Tricks: Using SVG**

External Link

**Codrops: Making SVGs Responsive with CSS**

External Link

**W3C HTML Validator**

External Link

**W3C CSS Validator**

## Need Help?

Have questions about this project? Start a discussion with the community and Treehouse staff.

Get Help