# SVG Logo for index.html file

Below is the SVG code used to create the My Company logo. Read each line and fill in the blanks using the hints provided. This exercise will help you understand how SVG works with text and how Tailwind CSS can style SVGs.

</th <th>&gt;</th>	>
_	Hint: Add a comment describing the purpose of this code
<svg class="&lt;/td"><td>"</td></svg>	"
_	Hint: Tailwind classes for size and color
xmlns="_	
_	Hint: Declares this is SVG code
viewBox	="0 0"
_	Hint: Internal width and height of the SVG space
aria-labe	l="">
	Hint: Used for screen readers to describe this element
<text <="" td="" x="_&lt;/td&gt;&lt;td&gt;" y=""></text>	
_	Hint: Position where the text begins
font-far	mily=""
	Hint: Preferred font with a backup option
font-we	eight="" font-size="">
	Hint: Font thickness and size
_	

### Hint: This is the actual logo text

</text>

</svg>

## **Keyframes Explanation for Cat SVG**

#### @keyframes buttonClick

- Used to create a press effect on the button when clicked.
- • 0%: Start at normal size.
- 50%: Scale down slightly to 90%.
- • 100%: Return to original size.

#### @keyframes moveEyes

- Animates the cat's eyes to simulate looking around.
- 20%: Shift left and up.
- 40%: Return to center.
- • 65%: Shift right and up.
- • 100%: Return to horizontal center, slightly lower.

#### @keyframes leftWhiskers

- Makes the left whiskers swing slightly.
- 20%: Rotate clockwise 5 degrees.
- • 60%: Rotate counterclockwise 5 degrees.

#### @keyframes rightWhiskers

- Makes the right whiskers swing in a different rhythm.
- • 5%: Slight counterclockwise tilt.
- 90%: Rotate clockwise 7 degrees.

#### @keyframes move

- Adds a full-body tilt animation to the cat.
- 20%: Slight tilt forward.
- • 40%: More pronounced tilt forward.
- • 60%: Tilt backward.
- • 85%: Stronger backward tilt.

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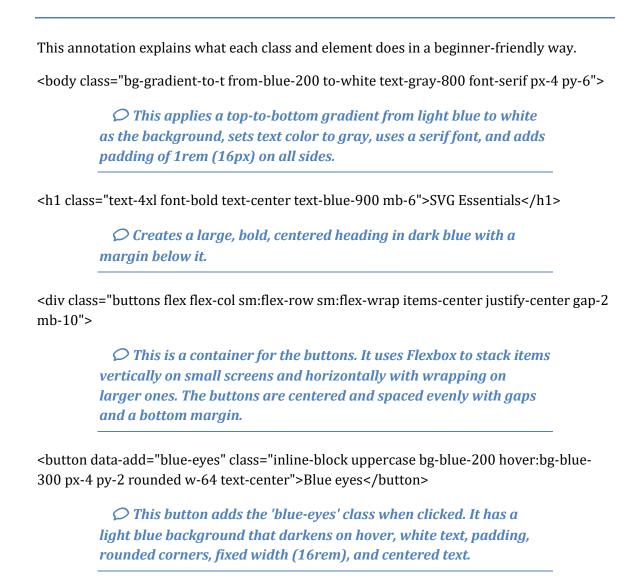
#### @keyframes rightWhiskers

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## HTML + Tailwind CSS: Button Layout



This button removes the 'blue-eyes' class. Similar styling as

green-300 px-4 py-2 rounded w-64 text-center">Green eyes</button>

This button removes the 'blue-eyes' class. Similar styling as above, but with a green background and hover effect.

<button data-remove="blue-eyes" class="inline-block uppercase bg-green-200 hover:bg-

<button data-add="sad" class="inline-block uppercase bg-gray-300 hover:bg-gray-400 px-4
py-2 rounded w-64 text-center">Sad</button>

Adds the 'sad' class. Styled with gray background and hover transition.

<br/><button data-remove="sad" class="inline-block uppercase bg-yellow-200 hover:bg-yellow-300 px-4 py-2 rounded w-64 text-center">Happy</button>

<button data-add="move-around" class="inline-block uppercase bg-purple-200 hover:bgpurple-300 px-4 py-2 rounded w-64 text-center">Move around</button>

*Q* Adds the 'move-around' class to animate the SVG. Has a purple background and hover color.

<button data-remove="move-around" class="inline-block uppercase bg-red-200 hover:bgred-300 px-4 py-2 rounded w-64 text-center">Sit still</button>

© Removes the 'move-around' animation class. Uses red color theme.

## SVG Container and Cat Graphic

<div class="svg-container mx-auto max-w-4xl px-4 py-6"> Creates a container for the SVG image, centers it horizontally, limits its max width, and adds padding. <svg class="cat w-full h-auto" viewBox="0 0 640 480"</pre> xmlns="http://www.w3.org/2000/svg" aria-label="Cartoon Cat"> O Starts the SVG. It fills the full width of its container with auto height. The viewBox defines a 640x480 drawing area, and the arialabel helps screen readers. <path d="..." fill="#999999" /> O Draws the main shape of the cat using a path. The fill color is gray. <g transform="rotate(-10 382.5 241)">  $\bigcirc$  A group that rotates the right eye and its inner shapes slightly to give it a dynamic tilt. <ellipse fill="#ffffff" cx="382.5" cy="241" rx="56.5" ry="84.75" /> O Draws the outer white part of the eye. <ellipse class="eye-color" fill="#1b6811" cx="382.38" cy="286.68" rx="31" ry="35" /> The iris of the eye, colored green. It can change color with CSS. <ellipse fill="#ffffff" cx="380.38" cy="303.68" rx="6" ry="6" /> \( \rightarrow A\) small white ellipse to represent light reflection in the eye. <g> ... </g> (Second Eye) *○* Another group to create the left eye, symmetrical to the right one.

# Page Content Container (SVG Text Section)

<!-- Page Content -->

*□* This comment helps developers understand that this section contains the main written content of the page.

<div class="max-w-5xl mx-auto grid grid-cols-1 md:grid-cols-2 gap-6 text-lg leading-relaxed">

*□* This <div> wraps the content. It:

- Limits the width to a maximum of 5xl.
- Centers the content (mx-auto).
- Uses a grid layout.
- Shows 1 column by default and 2 columns on medium+ screens (md:grid-cols-2).
- Adds spacing between grid items (gap-6).
- Uses larger text (text-lg) and more spacing between lines (leading-relaxed) for easier reading.

...

... (second paragraph)

## JavaScript for SVG Interactivity

const buttons = document.guerySelectorAll(".buttons button"); **○** Selects all <button> elements inside the element with class 'buttons'. These are the buttons students click to trigger changes on the SVG. const catSVG = document.querySelector("svg"); *○ Selects the first <svg> element on the page (the cat graphic).* This is what the buttons will update. buttons.forEach((button) => { \times Loops through each button so we can add event listeners to them individually. button.addEventListener("click", () => { Adds a 'click' event to each button. When the button is clicked, it runs the function inside. const addClass = button.getAttribute("data-add"); Checks if the button has a 'data-add' attribute. If it does, it stores that value in the variable 'addClass'. const removeClass = button.getAttribute("data-remove"); Checks if the button has a 'data-remove' attribute. If it does, it stores that value in the variable 'removeClass'. if (addClass) catSVG.classList.add(addClass); ☐ If the 'addClass' variable has a value, we add that class to the SVG element (to change how it looks or moves).

if (removeClass) catSVG.classList.remove(removeClass);

butto	n.classList.add("clicked");
	☐ Temporarily adds a class to animate the button when clicked.
setTi	meout(() => {
	© Starts a timer that waits 300 milliseconds before running the next function.
but	ton.classList.remove("clicked");
	© Removes the 'clicked' class to reset the button animation.
}, 300	));
	$\wp$ The timeout is set for 300 milliseconds (same duration as the animation).
});	
	© Ends the click event function.
<b>})</b> ;	