

Bucky's ID Card

Oh no, Bucky Badger has lost his ID Card! How is he going to get to his classes?

Objective

Help Bucky out by creating a new ID card for him!

By the end of this activity, you'll:

- ✓ Understand what HTML is
- ✓ Know how to use tags, attributes, and classes
- ✓ Create a personalized ID Card for Bucky the Badger

What is HTML?

HTML (HyperText Markup Language) is the foundation of every webpage. It tells the browser what to show and how content is structured - things like headings, images, paragraphs, and links. Think of HTML like the format of a webpage, while CSS is the style that directs how the content itself looks.

The other stations cover CSS, so that portion will be finished in all of the provided templates, however it is a crucial part of web development and is definitely necessary to learn with HTML!

Basic HTML Concepts

Tags

HTML is made of tags, which mostly come in pairs. These tags define different types of content and everything contained within the tag is part of the content type

Ex. `<p> Hello, world! </p>`

- `<p>` is the tag for paragraph
- `</p>` is the closing tag which indicates the end of the paragraph
- So this tag indicates that we want a paragraph with the word "Hello World"

Common tags you'll see:

- `<div>` → groups elements together (like boxes)
- `<h1>`, `<h2>` → headings of different sizes
- `<p>` → paragraph text
- `` → images (note: no closing tag!)

Attributes

Attributes give extra information about an element.

Ex: ``

- src = where to find the image
- alt = description shown if the image doesn't load

Classes

Classes are like labels that connect HTML to CSS. They tell the CSS which elements to style.

Ex : `<div class="id-card">`

- This means the `<div>` uses the CSS rules for `.id-card`.

Nesting

HTML elements can live inside other elements. This builds structure and hierarchy.

Ex:

```
<div class="id-card">
  <div class="id-header">
    <h1>University of Wisconsin-Madison</h1>
  </div>
</div>
```

Here, the header (`<div class="id-header">`) is nested inside the overall ID card.

Try It Out - <https://codepen.io/pen?template=MYKvEJz>

Your end result should look like this! The password to proceed to the main activity is in the template at the bottom of the file.

University of Wisconsin-Madison

Bucky Badger

Major: Badger Engineering



- Born in 1940 (so old!!)
- Full name is Buckingham U. Badger
- Earlier Bucky mascots were named Benny, Buddy, Bernie, Bobby and Bouncey