

IT&C 101-HTML Lab

For this lab, you will create a simple “About Me” web page using HTML, CSS, and JavaScript. The page should introduce yourself and your interests. Or, you make an “About Me” page about a fictional character of your choice or creation. If doing a fictional character, be sure to indicate that somewhere on the page.

You may use any text editor to create the page though we recommend [Microsoft Visual Studio Code](#).

Part 1: Content

The page should have a title, a short introduction, and at least three sections. Each section should have a heading and between one and three short paragraphs. Potential sections are “Education”, “Interests”, “Hobbies”, “Experience”, “Family”, “Achievements”, “Religion”, etc.

Be sure to use appropriate HTML tags to organize the content. Use `<h1>` for the page title. Use `<h2>`, `<h3>`, and so forth for section headings. Use `<p>` for paragraphs. Use `` and `` to emphasize text.

Here’s an empty page you can use as a starting point.

```
<!DOCTYPE html>
<html>
  <head>
    <title>Tab title</title>
  </head>
  <body>
    <!-- Content goes here. -->
  </body>
</html>
```

Some tags you’re likely to use (beyond the structural ones in the empty page):

- `<h1>`, `<h2>`, `<h3>`, etc.
- `<p>`
- ``, ``
- `<div>`, ``
- `<header>`, `<footer>`

Part 2: Style

Use CSS to make your page look good. Consider colors for headings, margins, backgrounds, maximum width, borders, fonts, font styles, and so forth. For this lab, put your style rules in a separate CSS page that you link to your HTML page.

Some properties you may consider using:

- | | | |
|---------------------------------|------------------------------|---------------------------------|
| • <code>color</code> | • <code>margin</code> | • <code>max-width</code> |
| • <code>background-color</code> | • <code>padding</code> | • <code>min-width</code> |
| • <code>font-family</code> | • <code>border</code> | • <code>text-align</code> |
| • <code>font-size</code> | • <code>border-radius</code> | • <code>background-image</code> |

- font-weight
- width
- text-decoration
- text-align
- text-shadow

Part 3: Action

Add at least one active element to your page using JavaScript. It may be as simple as a greeting according to the time of day or as complicated as animation or mouseover highlighting. Here are a couple of examples that you can use. As JavaScript is an advanced topic, we only expect something simple. Accordingly, you can paste in one of these if you choose.

Show the date:

```
<p><script>document.write(new Date().toLocaleString())</script></p>
```

Greet the reader:

```
<p><script>
  document.write((new Date().getHours() < 12) ? "Good morning!" : "Good
afternoon!")
</script></p>
```

References

Here are some valuable references to HTML, CSS, and JavaScript

- [HTML Reference \(W3Schools\)](#)
- [CSS Reference \(W3Schools\)](#)
- [JavaScript Date Object](#)
- [JavaScript document interface](#)

Part 4: Publish on Github Pages

- **Create a GitHub Repository:**
 - Sign in to GitHub, click the + icon, and select **New repository (make sure it is public)**.
 - Name your repository (e.g., "about-me-page") and click **Create repository**.
- **Upload Files:**
 - In the repository, click **Add file > Upload files**.
 - Upload both index.html and style.css.
 - Click **Commit changes**.
- **Enable GitHub Pages:**
 - Go to **Settings > Pages**.
 - Under **Branch**, select main or master, then click **Save**.
- **View Your Live Page:**
 - GitHub will provide a URL (like <https://yourusername.github.io/about-me-page/>).
 - You can find the link under **Deployments**
 - Use this link to view your webpage live online.

Part 5: Submission

Submit a screenshot of your webpage, a link to the page and write a short paragraph detailing what skills you developed, and how these skills will help you with cybersecurity.