

CSS Styling Lab

Lesson 4



GHE Setup

(again....)

Learning Objectives

- Define a version control system (Git) and explain its benefits
- Style elements in CSS using pseudo-classes and CSS selectors

Agenda

- Review CSS Box Model
- Github
 - What is it?
 - How is it used?
- CSS Psuedo-classes
- CSS Selectors
- Lab Time

Box Model Review



Key Objective:

Practice structuring a page with HTML5 elements, and manipulating the box-model of some of the elements in our [CodePen](#)

Timing:

- **15 minutes** - Code together as a class, and discuss each property

Directions

- Follow the prompts in the code comments

Github Overview

Github Vocabulary

- **git** - a version control program that saves the state of your project's files and folders.
- **repository (repo)** - a central location where your project is stored and managed. Can be local or remote/online.
 - **local** - copy of your project on your machine
 - **remote** - copy of your project stored online
- **clone** - download your project from the cloud to your local machine.
- **commit** - save a version of your project to git
- **fork** - a copy of a repository that you can edit freely.

What is Github?

Github is a platform that makes it easy to manage git repositories.

It stores files, and keeps track of the changes made to these files. These files are hosted online for easy sharing and collaboration.

Originally designed to allow for multiple engineers to work on the same project.

Why use it?

- It allows multiple developers to work on the same project.
- It allows developers to go back in time if something breaks. (which happens. A lot.)
- It keeps track of who made what changes
- It allows for feedback and code reviews to maximize code quality prior to making it live.

How we'll use it

- **Students** will use GitHub as a tool to submit assignments and download class files.
- **Instructors** will use GitHub to share class files and assess/review student work.

Github Resources

- [Github Guides](#) - official resource for everything Github
- [YouTube](#) - Github Guides YouTube channel
- [Github Desktop](#) - official guide to get started using Github Desktop

CSS Pseudo-class

What is a pseudo-class?

A **pseudo-class** is used to define a special state of an element.

They're most commonly used to manage the different states of anchor links.

Pseudo-class Syntax

```
selector:pseudo-class {  
    property: value;  
}
```

```
/* unvisited link */
a:link {
    color: #FF0000;
}

/* visited link */
a:visited {
    color: #00FF00;
}

/* mouse over link */
a:hover {
    color: #FF00FF;
}

/* selected link */
a:active {
    color: #0000FF;
}
```


More Pseudo-classes

Check out this great list of various pseudo-classes: [W3Schools](#)

Key Objective:

Experiment with CSS pseudo-classes using this [CodePen](#)

Timing:

- **5 minutes** - Discuss with a partner in a breakout room

Bonus

- Try using some of the other pseudo-classes listed here: [W3Schools](#)

CSS Selectors

What are CSS Selectors?

In CSS, **selectors** are patterns used to select the element(s) you want to style.

Common CSS Selectors?

Below are some common selectors:

```
<!-- CSS file -->
p {
    ... type selector
}

p span {
    ... descendant selector
}

p, h1 {
    ... multiple selector
}

[attribute] {
    ... attribute selector
}
```

More on CSS Selectors

You can find more information on CSS selectors via the following resources:

- [CSS Selectors \(W3Schools\)](#)
- [Complex Selectors](#)
 - More comprehensive
- [CSS Selectors Reference](#)



Break time!

Let's take 5-10 minutes to decompress...



Lab Time

Open: [Assignment/starter_code/](#)

Directions:

1. Let's get a head start on this week's homework
2. Open the **Week_2_Styling/Assignment/starter_code** folder

Timing:

- **5 minutes** - Discuss how to start a project (together)
- **85 minutes** - Begin developing site based on attached *relaxr_landing.jpg* image

Tips:

- First, outline the different content and structure
- Then, create your working directory
- Last, start coding -- HTML first, then CSS
- Use the included design_file.txt for specifics

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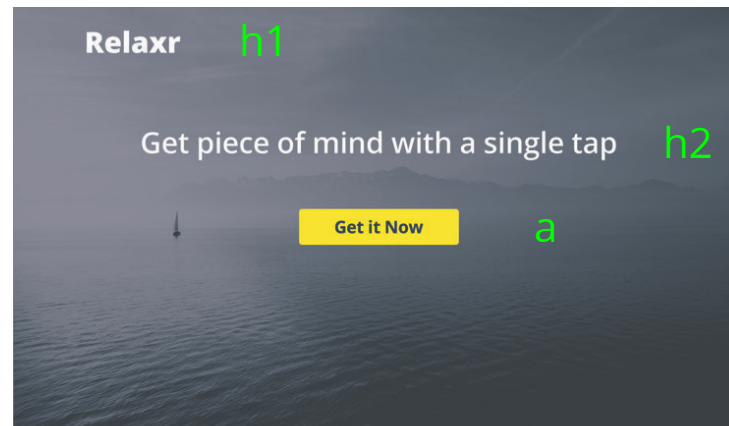
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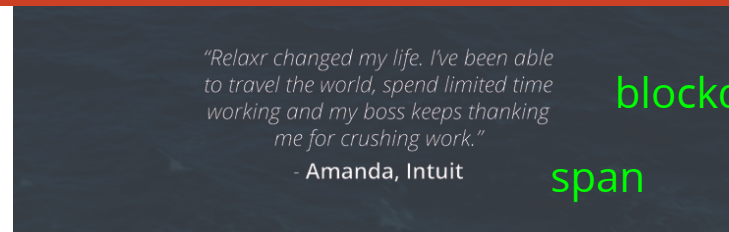
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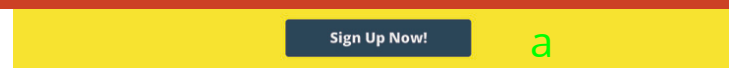
Main



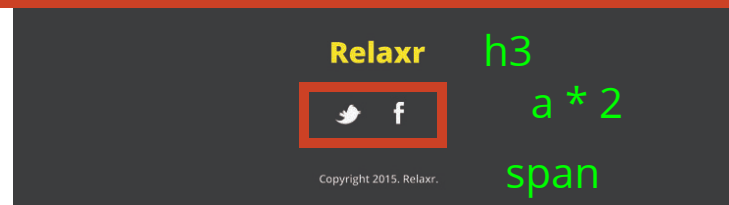
Section



Aside



Footer w/ Nav



Exit Tickets

Take 5-10 minutes to give us some
(Link is in Slack Room)

Learning Objectives Review

- We defined a version control system (Git) and explain its benefits
- We styled elements in CSS using pseudo-classes and CSS selectors

Week 2 Homework

- **Assignment Description**
- Due: **Wednesday, May 8th by 11:59pm**
- Be sure to follow instructions in GHE repo to submit
- Grading rubric can be found in the **Assignment** folder
- **FOLLOW THE RUBRIC!**

Next Class...

Lesson 5 - CSS Layouts