Web Development Basics Review

Overview:

This lesson is a re-introduction review of the fundamentals of web development. Prior to the start of the course, students will have completed the foundations course, which provided an overview on how the web works, HTML, CSS, and JavaScript. Students will have a base knowledge of these concepts, so this in-class sessions is dedicated to briefly reviewing the key concepts of web development basics and HTML through a series of short demos and individual exercises.

Goal:

Review the fundamentals of web development and the anatomy of a webpage.

Objectives:

By participating in this lesson, students should be able to:
- Describe the relationship between a server and the client
- Differentiate between absolute and relative pathing
- Differentiate between backend and frontend
- Describe the different sections of a webpage
- Build a simple HTML webpage

Anchor Vocabulary:

- Server / Backend
- Client / Frontend
- Language
- HTML
- Program
- Path
  - Relative
  - Absolute

Topics to Cover:

Lesson Outline	Lesson Description
How the Web Works	- Discuss how the web fundamentally works behind the scenes - Introduce the client / server architecture at a high level
Webpage Basics	- HTML - CSS - Client Side Languages - JavaScript - Server Side Languages - Ruby (or Python, PHP, Java, Go, etc)

HTML Review	● Fundamentals of HTML
	    ○ Structure
	    ○ Tagging
	    ○ Attributes
	    ○ Common tags
	● File pathing
	    ○ Absolute
	    ○ Relative
	● HTML Best Practices:
	    ○ Proper nesting
	    ○ Proper tag usage (Semantic HTML)
	    ○ Spacing

Accessibility	● What is it and why it's important
	● Semantic HTML
	    ○ Proper use of tagging
	    ○ HTML5 tags

Related Exercises:

Web Development Basics Review

Related Workshop:

Band Camp

Related Visuals:

- Web Development Visual Aid
- Funny HTML,CSS JS Infographic

Additional Resources:

- MDN HTML Portal
- W3Schools Semantic Tags
- HTML Best Practices