

# Front-end Web Development Quick Start with HTML5, CSS, and JavaScript

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## Introducing HTML



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# Overview



## What Will We Cover?

- How does the web work?
- Getting Started with the Tools
- What Is HTML?
- Understanding Markup
- Structure of a Page
- Understanding Tags
- Forms in HTML



# How Does the Web Work?

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# Web browser

From Wikipedia, the free encyclopedia  
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A **web browser** (commonly referred to as a **browser**) is [application software](#) for accessing the [World Wide Web](#). When a [user](#) requests a [web page](#) from a particular [website](#), the web browser retrieves the necessary content from a [web server](#) and then displays the page on the user's device.

A web browser is not the same thing as a



A web browser displaying a web page





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A web browser displaying a web



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**A web browser** (commonly referred to



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[https://en.wikipedia.org/wiki/Web\\_browser](https://en.wikipedia.org/wiki/Web_browser)

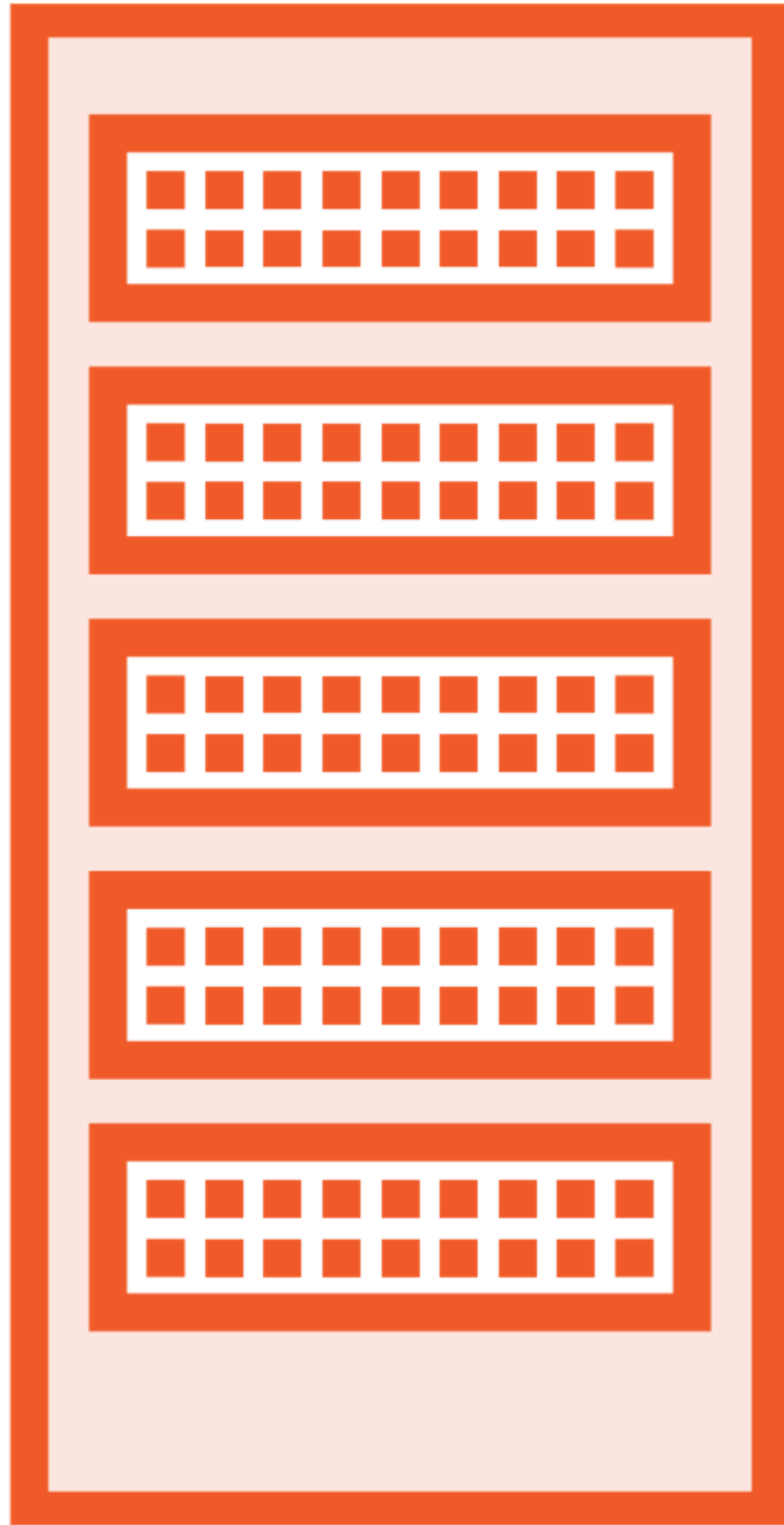


**Protocol**

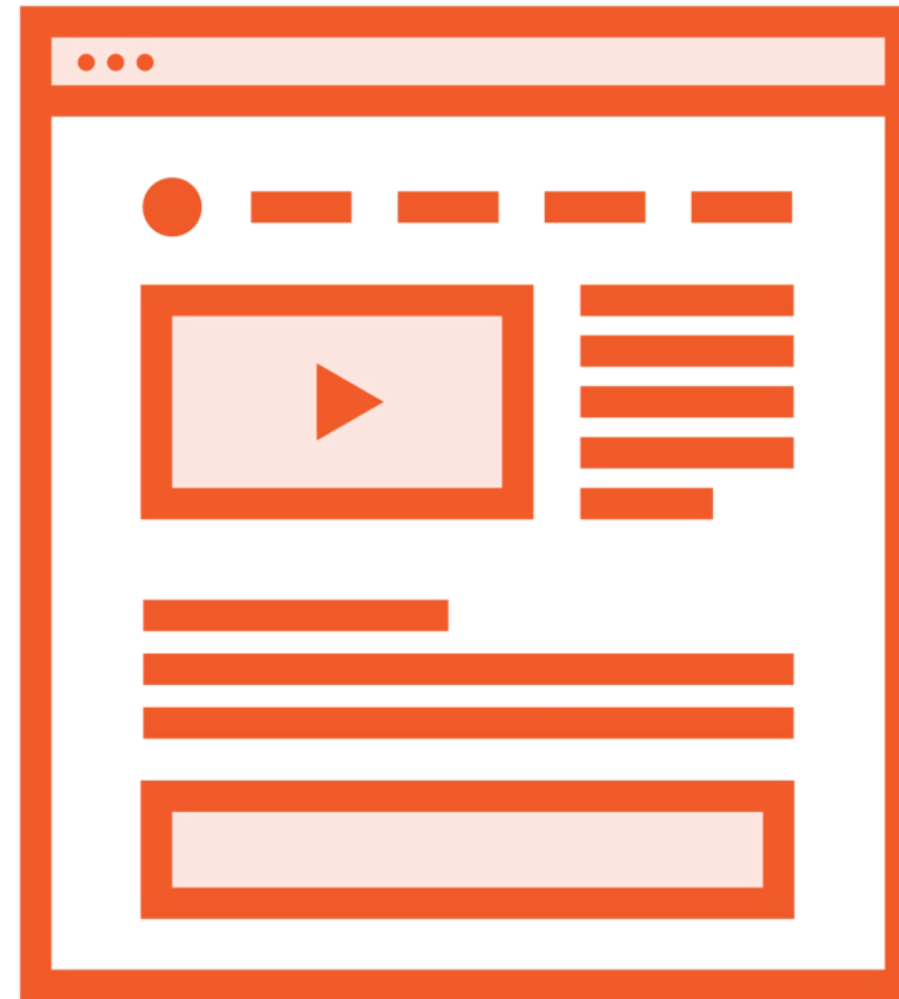
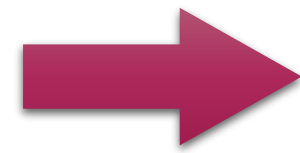
**Server Address**

**Path**

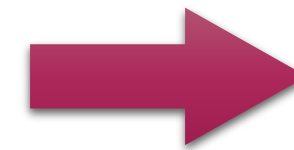




Server



Page



Related Files







HTML



Images



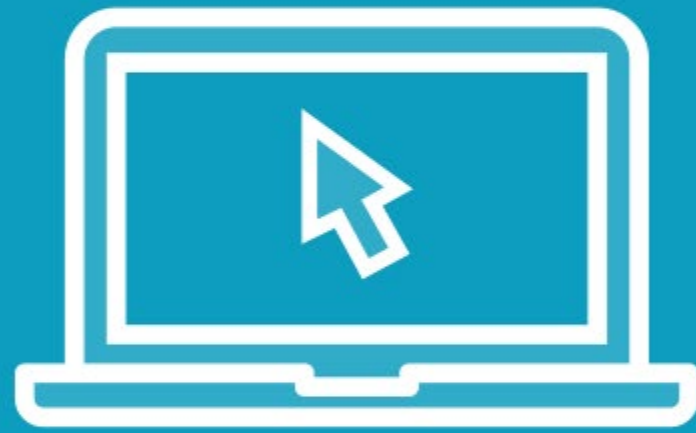
CSS



JavaScript



Demo



## Deconstructing a Web Page Request

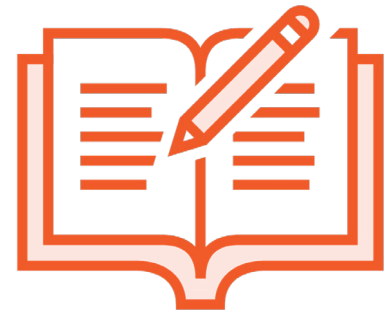


# Getting Ready for Web Development

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# Basic Toolset



**Text Editor: Visual Studio Code**



**Web Server: GoLive Plugin**



**Patience...**



# Demo



## Readying Your Machine



# What Is HTML?

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## What Is HTML?

- HyperText Markup Language
- Structured documents
- Derived from SGML
- Uses Angle Brackets to Explain Structure



```
<html>

  <head>

</head>

  <body>

    <h1>Hello World</h1>

  </body>

</html>
```

- ◀ Name within angle brackets
- ◀ Nesting implies parent/child relationship
- ◀ Metadata goes here
- ◀ Actual viewable content goes here
- ◀ Ending starts with a slash

# What are Tags?

---



```
<html>

  <head>

</head>

<body>

  <h1>This is a header</h1>

  <p>This is a paragraph.</p>

  <p>This is for <em>emphasis</em></p>

  <p>

    This is for <strong>bolding</strong>

  </p>

</body>

</html>
```

◀ Header

◀ Paragraphs

◀ Embedded tags work too.

```
<html>

  <head>

</head>

<body>

  <h1>This is a header</h1>

</body>

</html>
```

◀ **Not all tags require ending**

```
<html>

  <head>

</head>

  <body>

    <h1>This is a header</h1>

  </body>

</html>
```

◀ Or could be self-ended



```
<html>

  <head>

</head>

<body>

  <h1>This is a header</h1>

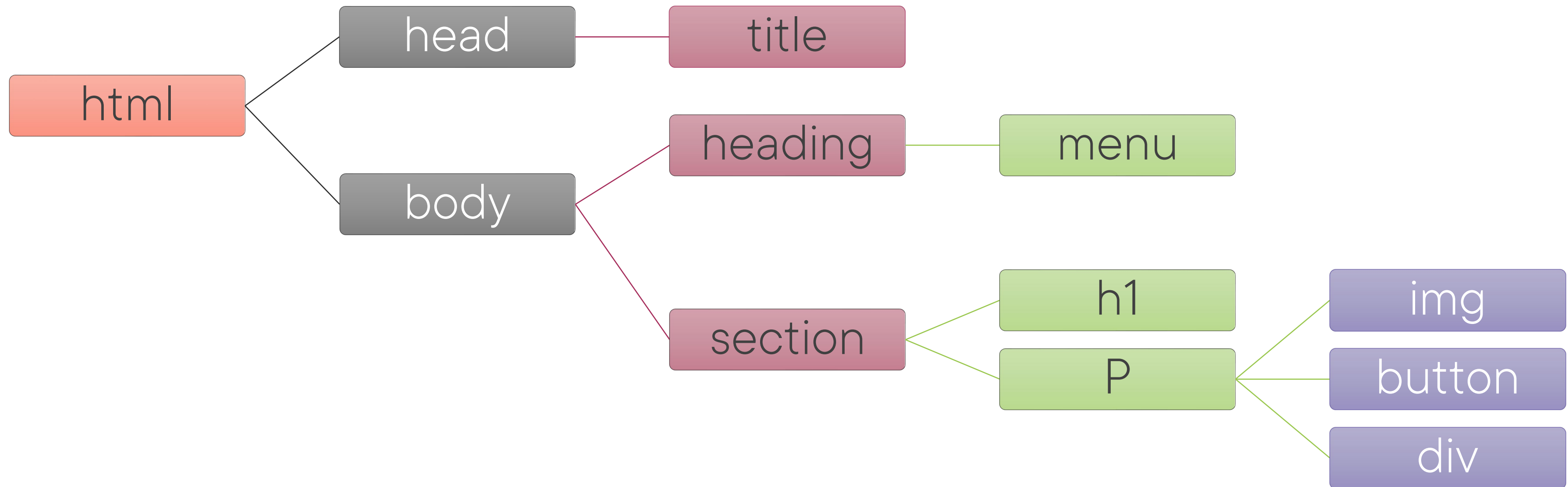
  

</body>

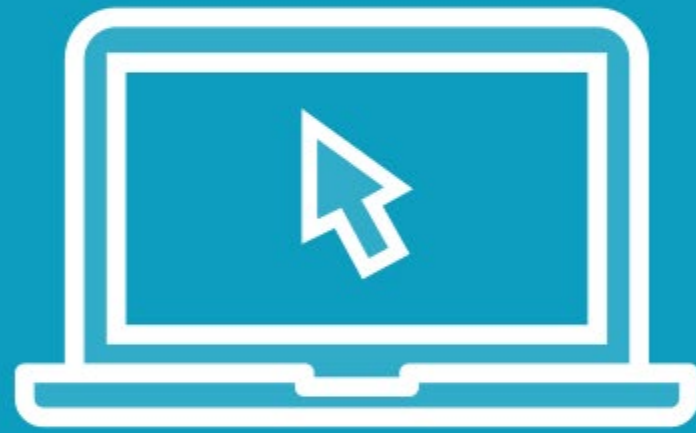
</html>
```

◀ **And can have attributes!**

# HTML Is a Document



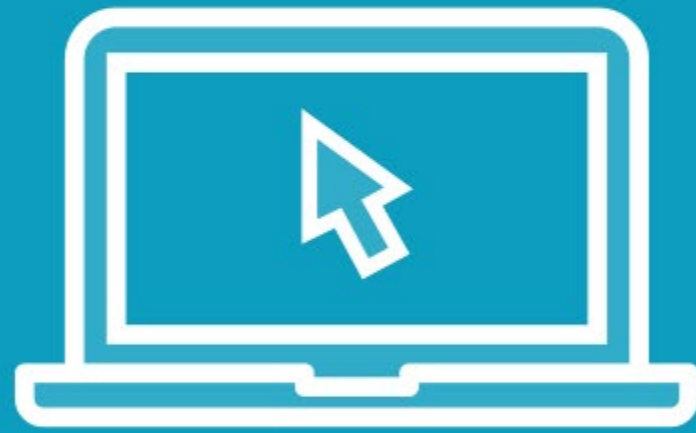
# Demo



## Your First HTML



# Demo



## Semantic Tags



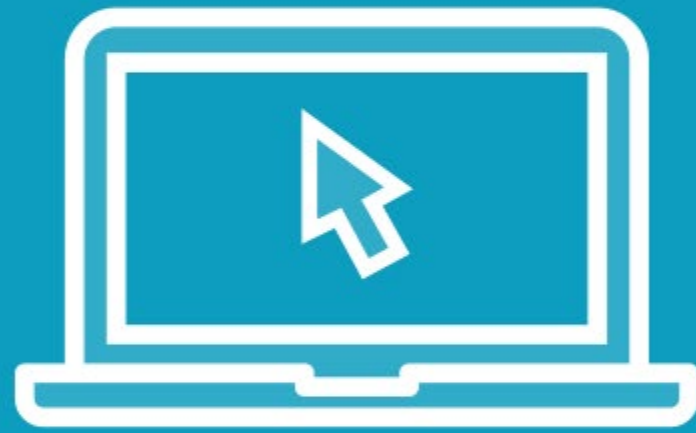
# Demo



## Creating the Menu



# Demo



## Using Forms







**For More Info...**

**HTML Fundamentals**

Matt Milner



# Where Are We?



**HTML is just a text file**



**Think of it as a word processing document.**



**HTML is to create the structure of your page, not the design.**



Up Next: Styling with CSS

