

# HTML

# The Complete Web Developer in 2018

The Complete Web Developer in 2018  
Zero to Mastery  
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Lecture Notes by Stephanie

## Exercise: Adding CSS and javascript to Tim's website

Section 3, Lecture 19

Open up Google Chrome's Developer Tools and add some CSS and javascript you learned in the previous video "HTML, CSS and Javascript" into Tim's website here: <http://info.cern.ch/hypertext/WWW/TheProject.html>

Remember:

**Elements** tab is for the HTML

**Style** tab is for the CSS

**Console** tab is to enter javascript.

- **Sublime Text 3**
- **HTML5**
- **Format of webpage:**

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title></title>
```

```
</head>
```

```
<body>
```

```
</body>
```

```
</html>
```

- w3 schools is a great resource for html tags

## google-fu resources

w3schools.com

<https://developer.mozilla.org/en-US/>

<https://rubberduckdebugging.com/>

<https://stackoverflow.com/>

**Sublime Text shortcuts:** <https://www.shortcutfoo.com/app/dojos/sublime-text-3-win/cheatsheet>

**Favicon:** <https://www.favicon.cc/>

**Free Images:** <https://unsplash.com/>

**CSS:**

<https://css-tricks.com/almanac/>

**+ CSS Specificity Calculator**

<https://specificity.keegan.st/>

**+ More on cascading and inheritance**

[https://developer.mozilla.org/en-US/docs/Learn/CSS/Introduction\\_to\\_CSS/](https://developer.mozilla.org/en-US/docs/Learn/CSS/Introduction_to_CSS/Cascade_and_inheritance)

[Cascade\\_and\\_inheritance](https://developer.mozilla.org/en-US/docs/Learn/CSS/Introduction_to_CSS/Cascade_and_inheritance)

**+ CSS Selector Reference**

[https://www.w3schools.com/cssref/css\\_selectors.asp](https://www.w3schools.com/cssref/css_selectors.asp)

<https://css-tricks.com/almanac/>

**+ CSS Reset code**

<https://meyerweb.com/eric/tools/css/reset/>

**+ A Full-Width Centered Navigation Bar**

<https://cssnewbie.com/full-width-centered-navigation-bar/#.Wz8ikNJKjIU>

**color picker**

<http://paletton.com/>

**Google Fonts**

<https://fonts.google.com/>

**Modular Programming Versus Object Oriented Programming**

<http://petesqbsite.com/sections/express/issue17/modularversusoop.html>

**MY GITHUB PAGE**

<https://steph-bot.github.io/>

**Great overview of everything (Vince Vacanti)**

<http://viniciusvacanti.com/2010/11/01/6-things-you-need-to-learn-to-build-your-own-prototype/>

## HTML 5 common html tags

tags = elements

by default, servers return file titled "index.html" as homepage

\*\*semantic tags for search engine crawlers: <header> <nav> <footer> etc.

<h1> heading 1

<h2> heading 2

...

<h6>

<p> paragraph

<div></div> for sections css

<span></span> for in-line css

<strong> replaces old <b> bold tag

<em> emphasis replaces old <i> italics tag

<ol> ordered list (numbered) or <ul> unordered list (bullets)

<li> list item

\*\*can nest lists

<br> line break

<hr> horizontal rule (line)

<img src="" width="40" height="40">

- this is a self closing tag: no </img> required

- attributes (add special properties to tag): src, alt(screenreaders), width, height (pixels)

<a href="">

- anchor tag for links, href=hypertext reference

<form method="GET"> \*\*\*\* default attr, shows submitted vals in url after submit (no privacy on query parameters) (can use for testing form)

vs.

<form method="POST"> \*\*\* submitted vals in body of request sent to server, not URL (use to for privacy during form submission)

<input type="text" name="textname">

<input type="email" name="email" required> \*\*can add "required" attribute like this\*\*

<input type="password" name="password" minlength="5">

<input type="date" name="birthday">

<input type="radio" name="gender" value="male">Male<br> \*\*can only select one gender  
radio bc same name attr\*\* \*\*might be errors here\*\*

<input type="radio" name="gender" value="female">Female<br>

<input type="radio" name="gender" value="other">Other<br>

<input type="checkbox" name="cat">Cat<br>

<input type="checkbox" name="dog">Dog<br> \*\*can select multiple checkboxes\*\*

```

<select name="cars"> *** something in this section erroneous
    <option value="volvo" name="volvo">Volvo</option>
    <option value="Audi" name="audi">Audi</option>
    <option value="Honda" name="honda">Honda</option> **can select one from
dropdown**
</select>

<select multiple></select> **can select multiple from list using ctrl** **something in this section
erroneous***

<input type="submit" value="Custom-Submit-Text">
<input type="reset">
</form>

```

## SUBLIME TEXT 3 SHORTCUTS

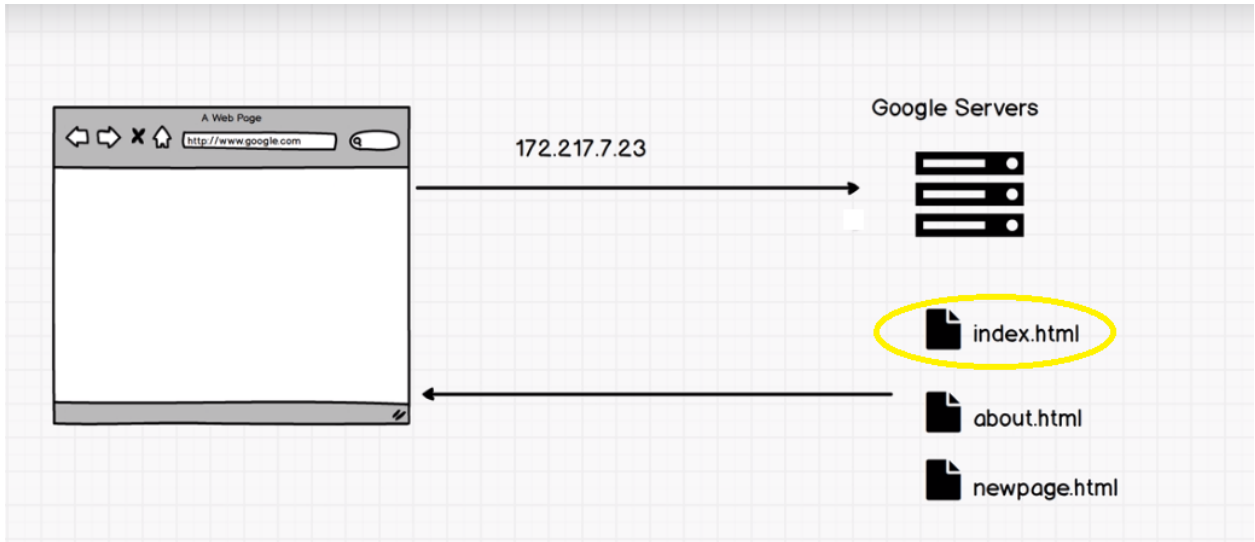
---

<https://generalassemb.ly/blog/sublime-text-3-tips-tricks-shortcuts/>

- shortcut to get basic html website structure in sublime text 3:
  - change doc type from plain text to html
  - type html and press tab
  - should generate above code
- to get Lorem ipsum filler words
  - type lorem and press tab
- can collapse tags on left side (line number)
- link css to html file: head section of html file, type "<link" and press tab to autofill
- ctrl+/ to comment
- ctrl+D repeatedly to select all instances of a word
- ctrl+click to create multiple cursors
- ctrl+shift+A select everything inside the current HTML tag
- ctrl+L to select line
- 

-  
 -  
 -  
 -  
 -  
 -  
 -  
 -

# Index Page HTML



## Absolute vs. Relative Path

file:///

file protocol

"**relative**" path

how we are viewing the sample html page we created

http://

http protocol

"**absolute**" path

# Website with Common HTML Tags



## Header 1

## Header 2

### Header 3

#### Header 4

##### Header 5

##### Header 6



[Form](#)

[SampleLink](#)

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*Lorem ipsum* dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

1. banana
2. orange
3. apple

- banana
- orange
- apple
  - fuji
  - honey crisp
- kiwi

```
<!DOCTYPE html>
<html>
<head>
  <title>Sample Website</title>
</head>

<body>
<header> <!-- this tag For search engine crawlers -->
  <h1>Header 1</h1>
  <h2>Header 2</h2>
  <h3>Header 3</h3>
  <h4>Header 4</h4>
  <h5>Header 5</h5>
  <h6>Header 6</h6>
</header>

  <a href="23 form.html">Form</a>
  <br><br>

  <a href="20 linked page.html">SampleLink</a>

  <br>
```

<p><strong>Lorem ipsum</strong> dolor sit amet, consectetur adipisicing elit,  
sed do eiusmod

tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,  
quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo  
consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse  
cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non  
proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p>

<p><em>Lorem ipsum</em> dolor sit amet, consectetur adipisicing elit, sed do  
eiusmod

tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam,  
quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo  
consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse  
cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non  
proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p>

<ol>

<li>banana</li>

<li>orange</li>

<li>apple</li>

</ol>

<ul>

<li>banana</li>

<li>orange</li>

<li>apple</li>

<ul>

<li>fuji</li>



<li>honey crisp</li>



</ul>

<li>kiwi</li>

</ul>

</body>

</html>



## HTML Form - Result

### Registration Form

[home](#)

First Name:

Last Name:

Email\*:

password:  Birthday:

Gender:

☐ Male

☐ Female

☐ Other

Pets:

☐ Cat

☐ Dog

Car:

Lipstick:

## query strings returned form method GET

Query strings

file:///C:/Users/stephanie/Documents/  
Udemy%20course%20Complete%20Web%20Dev%202018%20Zero%20to%20Mastery%20  
with%20Andrei/23%20form.html

? **\*\*\*means data coming up\*\*\***

firstname=stephanie **\*\*firstname = name/property, stephanie = value\*\*\***

&lastname=martin

&email=stephanie.martin%40gmail.com **\*\*URL encoding changes @ to %40\*\***

&password=password1234

&birthday=1995-09-21

&gender=female

&cat=on

&cars=Honda

&lipstick=red

&lipstick=pink

## HTML Form - Code

```
<!DOCTYPE html>
<html>
<head>
    <title>Registration Form</title>
</head>
<body>
<h1>Registration Form</h1>
<a href="17 html website with common tags.html">home</a>

<form method="POST">
    <!-- Use GET to see form input vals in URL -->
    <!-- Use POST to have it in body (not visible in URL for privacy) -->
    First Name: <input type="text" name="firstname"><br>
    Last Name: <input type="text" name="lastname"><br>
    Email*: <input type="email" name="email" required><br>
    password: <input type="password" name="password" minlength="5">
    Birthday: <input type="date" name="birthday"><br>
    Gender:<br>
    <input type="radio" name="gender" value="male">Male<br>
    <input type="radio" name="gender" value="female">Female<br>
    <input type="radio" name="gender" value="Other">Other<br>
    Pets:<br>
    <input type="checkbox" name="cat">Cat<br>
    <input type="checkbox" name="dog">Dog<br>

    Car: <br>
    <select name="cars">
        <option value="volvo">Volvo</option>
        <option value="Audi">Audi</option>
        <option value="Honda">Honda</option>
    </select><br><br>

    Lipstick: <br>
    <select name="lipstick" multiple>
        <option value="red">Red</option>
        <option value="pink">Pink</option>
        <option value="nude">Nude</option>
    </select><br><br>

    <input type="submit" value="Register!!!">
    <input type="reset">
</form>
</body>
</html>
```