

HTML

The

Complete

Web

Developer in

2018

The Complete Web Developer in 2018
Zero to Mastery
Andrei Neagoie
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/Cascade_and_inheritance

+ **CSS Selector Reference**

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

 for in-line css

 replaces old bold tag

 emphasis replaces old <i> italics tag

 ordered list (numbered) or unordered list (bullets)

 list item

**can nest lists

 line break

<hr> horizontal rule (line)

- this is a self closing tag: no required

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

- 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
 **can only select one gender
radio bc same name attr** **might be errors here**

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

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

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

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

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

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



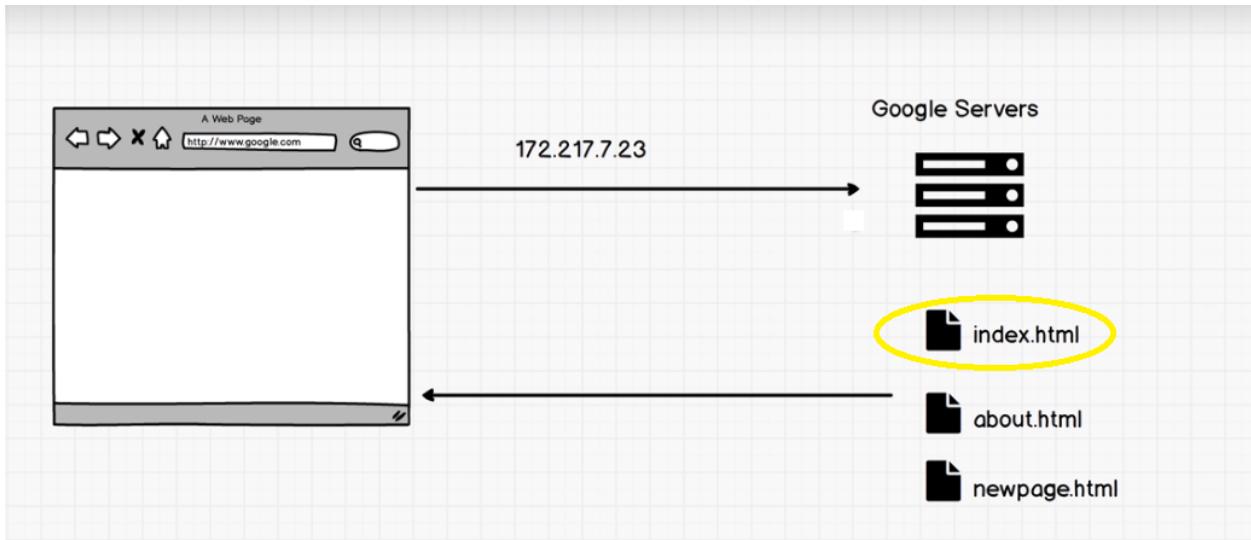
```
<input type="submit" value="Custom-Submit-Text">
<input type="reset">
</form>
```

SUBLIME TEXT 3 SHORTCUTS

<https://generalassemblyly.com/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

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>
```

HTML Form - Result

Registration Form

[home](#)

First Name:

Last Name:

Email*:

password: Birthday:

Gender:

Male
 Female
 Other

Pets:

Cat
 Dog

Car:

Lipstick:

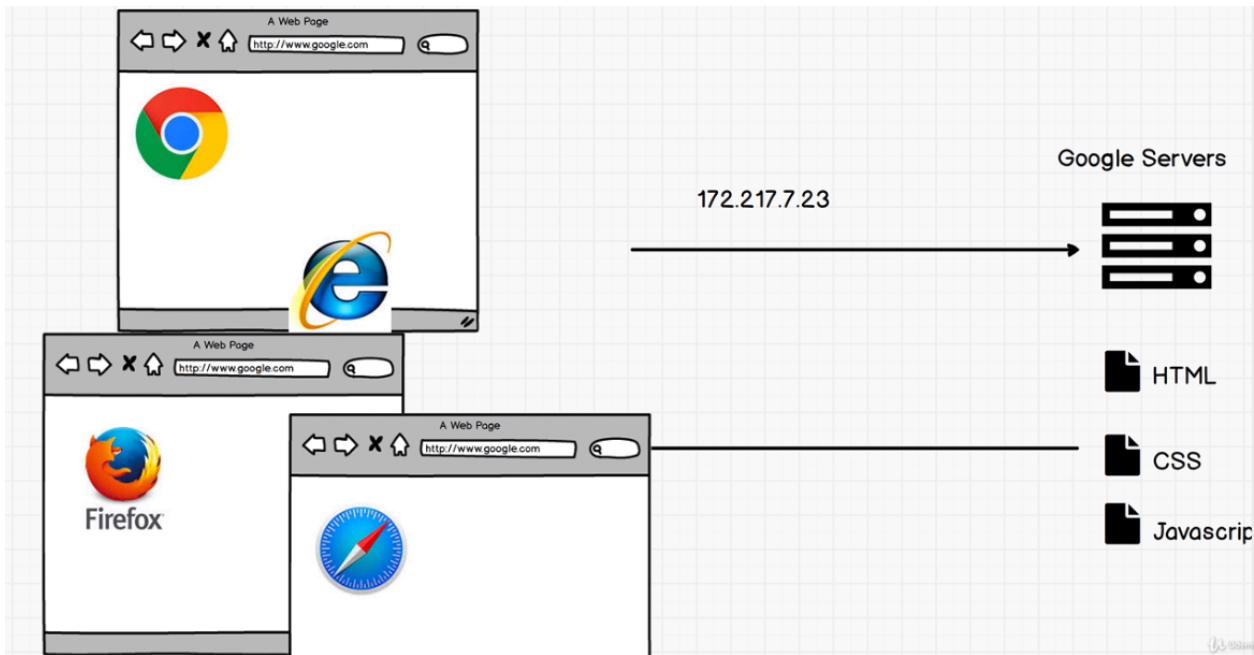
Red
 Pink
 Nude

query strings returned from method GET

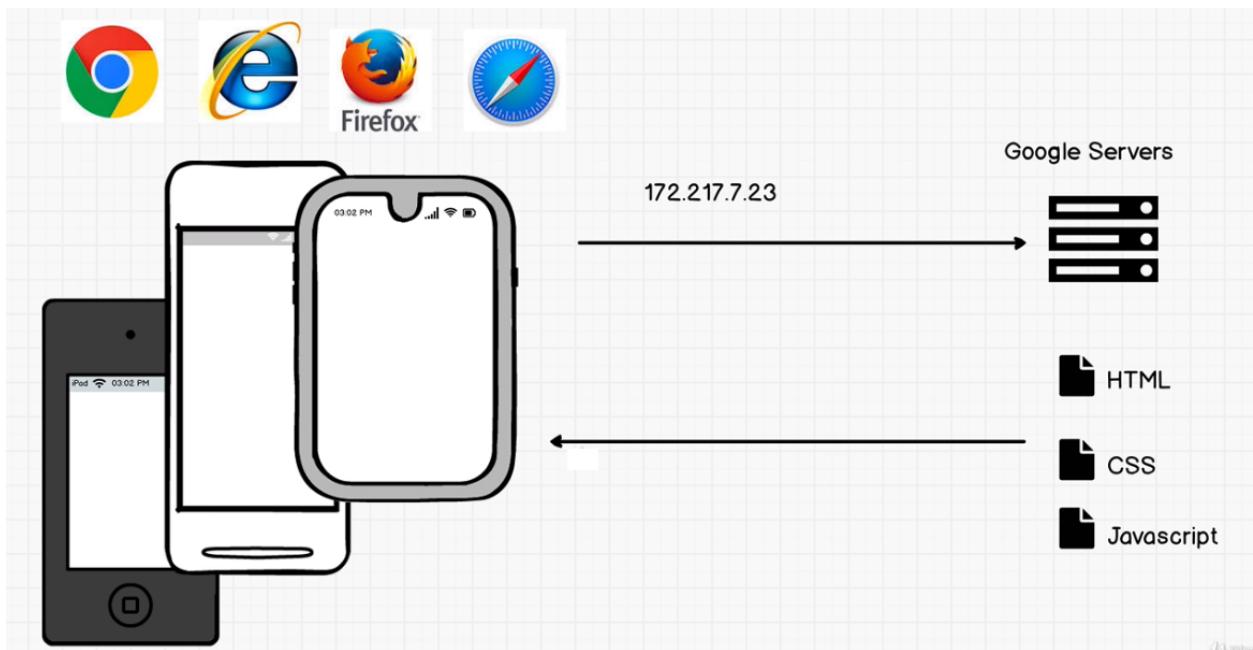
Query strings

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=mathew
&email=stephanie.mathew%40hotmail.com ****URL encoding changes @ to %40****
&password=password1234
&birthday=1990-06-11
&gender=female
&cat=on
&cars=Honda
&lipstick=red
&lipstick=pink

browsers and html



phones and html



Default
Home
About
Login

Home

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. 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. 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. 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

← → C file:///Users/stepha/Documents/Classes/5%20Web%20Dev%20Zero%20to%20Mastery%20Andrei%20Udemy%20-%20Summer%202018/27.2%20about.html

Apps python class hcc lo... art/design programmer

Home About Login

About: Let's Look at Different Text!

p {
color: pink;
text-decoration: underline;
text-decoration: line-through;
text-transform: uppercase;
text-transform: lowercase;
line-height: 50px;
font-style: italic;
font-weight: bold;
font-size: 180%;
font-family: "georgia", "times new roman", ~~font-family: 'poiret one', cursive, /*google font*/~~
}

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.

(5) M × The C × uhoo: × AWS × New Tab × 6 Thi × Intro × Google use tr × Regis × My fir ×

← → C file:///Users/stepha/Documents/Classes/5%20Web%20Dev%20Zero%20to%20Mastery%20Andrei%20Udemy%20-%20Summer%202018/27.3%20login.html

Apps python class hcc lo... art/design programmer

- Home
- About
- Login

Login

A	B	C
---	---	---

27.1 index.html

```
<!DOCTYPE html>
<html>
<head>
    <title>My first website!</title>
    <link rel="stylesheet" type="text/css" href="27.4 style.css"> <!-- 1: links to css file -->

    <!-- <style>
        p{background-color: purple}
    </style> -->
    <!-- 2: css via style tag -->
</head>
<body>
    <button class="btn btn-primary">Default</button>
    <header>
        <!-- <header style="background-color: green; color:red"> -->
            <!-- 3: in-line css styling -->
        <nav>
            <ul>
                <li>Home</li>
                <li><a href="27.2 about.html">About</a></li>
                <li><a href="27.3 login.html">Login</a></li>
            </ul>
        </nav>
    </header>
    <section>
        <h2>Home</h2>
        <p>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. Lorem
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quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo
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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. 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
proident, sunt in culpa qui officia deserunt mollit anim id est laborum.</p>
    </section>
</body>
</html>
```

27.4 style.css

```
/*
Selector {
    Property: value;
}

/*-----RESET CSS-----*/
/* http://meyerweb.com/eric/tools/css/reset/
v2.0 | 20110126
License: none (public domain)
*/

html, body, div, span, applet, object, iframe,
h1, h2, h3, h4, h5, h6, p, blockquote, pre,
a, abbr, acronym, address, big, cite, code,
del, dfn, em, img, ins, kbd, q, s, samp,
small, strike, strong, sub, sup, tt, var,
b, u, i, center,
dl, dt, dd, ol, ul, li,
fieldset, form, label, legend,
table, caption, tbody, tfoot, thead, tr, th, td,
article, aside, canvas, details, embed,
figure, figcaption, footer, header, hgroup,
menu, nav, output, ruby, section, summary,
time, mark, audio, video {
    margin: 0;
    padding: 0;
    border: 0;
    font-size: 100%;
    font: inherit;
    vertical-align: baseline;
}
/* HTML5 display-role reset for older browsers */
article, aside, details, figcaption, figure,
footer, header, hgroup, menu, nav, section {
    display: block;
}
body { line-height: 1; }

ol, ul { list-style: none; }

blockquote, q { quotes: none; }

blockquote:before, blockquote:after,
q:before, q:after {
    content: "";
    content: none;
}

table {
```

```
border-collapse: collapse;
border-spacing: 0;
}

/*-----END RESET CSS-----*/



.primary-nav{
background-color:rgba(255, 176, 170, 0.5);
margin: auto;
max-width: 200%;
/*width: 90%;*/
/*border: 3px solid white;*/
padding: 0px;
text-align: center;
font-size: 25px;
}

.primary-nav__item{
display: inline-block;
padding: 18px;
}

.primary-nav__item:hover{
color:white;
background-color:rgba(255, 176, 0, 0.5);
background: linear-gradient(rgba(255, 176, 0, 0), rgba(255, 176, 0, 0.8));
border-bottom-left-radius: 25px
}

.primary-nav__link{
color: yellow;
text-decoration: none;
background-color: rgba(0, 176, 0, 0.5);
padding: 118px;
border-bottom-left-radius: 25px
}

.primary-nav__link:hover{
color: yellow;
text-decoration: none;
background-color: rgba(0, 80, 0, 0.5);
background: linear-gradient(rgba(255, 176, 0, 0.5), rgba(255, 176, 0, 0));
padding: 118px;
}

/*li{
display: inline;
}*/



body {
background-image: url(27.5background-munnar.jpg);
background-size: cover;
}
```

```
h2 {  
    color: #FFB0AA;  
    text-align: center;  
    border: 5px solid rgba(255, 176, 170, 0.5);  
    cursor: pointer;  
}  
  
p {  
    color:pink;  
    text-decoration: underline;  
    text-decoration: line-through;  
    text-transform: uppercase;  
    text-transform: lowercase;  
    line-height: 50px;  
    font-style: italic;  
    font-weight: bold;  
    font-size: 180%;  
    font-family: "Georgia", "Times New Roman";  
    font-family: 'Poiret One', cursive; /*GOOGLE*/  
}  
  
img{  
    float: left; /*use for imgs, not other elements*/  
}  
  
footer{  
    clear: both; /*clears float from footer*/  
  
    color:pink;  
    text-align: center;  
    text-decoration: underline;  
    text-decoration: line-through;  
    text-transform: uppercase;  
    text-transform: lowercase;  
    line-height: 5px;  
    font-style: italic;  
    font-weight: bold;  
    font-size: 180%;  
}  
.list {  
    background-color:rgba(255, 176, 170, 0.5);  
}
```

27.2 about.html

```
<!DOCTYPE html>
<html>

<head>
    <link rel="icon" type="image/png" href="27.6-favicon.ico?v=2">
    <title>My first website!</title>
    <link rel="stylesheet" type="text/css" href="27.4 style.css">

    <!-- ADD GOOGLE FONT -->
    <link href="https://fonts.googleapis.com/css?family=Poiret+One" rel="stylesheet">
    <!-- END ADD GOOGLE FONT -->

</head>

<body>
    <header>
        <nav>
            <ul>
                <li><a href="index.html">Home</a></li>
                <li>About</li>
                <li><a href="27.3 login.html">Login</a></li>
            </ul>
        </nav>
    </header>
    <section>
        <h2>About: Let's Look at Different Text!</h2>
        <p>
            p {<BR>
                color: pink; <BR>
                text-decoration: underline; <BR>
                text-decoration: line-through; <BR>
                text-transform: uppercase; <BR>
                text-transform: lowercase; <BR>
                line-height: 50px; <BR>
                font-style: italic; <BR>
                font-weight: bold; <BR>
                font-size: 180%; <BR>
                font-family: "Georgia", "Times New Roman"; <<PRIMARY FONT,
                BACKUP FONT><BR>
                font-family: 'Poiret One', cursive; /*GOOGLE FONT*/ <BR>
            }<BR>
            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.</p>
        </p>
    </section>
</body>
</html>
```

27.3 login.html

```
<!DOCTYPE html>
<html>
<head>
    <link rel="icon" type="image/png" href="27.6-favicon.ico?v=2">
    <title>My first website!</title>
    <link rel="stylesheet" type="text/css" href="27.4 style-login.css">
</head>
<body>
    <header>
        <nav>
            <ul>
                <li><a href="index.html">Home</a></li>
                <li><a href="27.2 about.html">About</a></li>
                <li>Login</li>
            </ul>
        </nav>
    </header>
    <section>
        <h2>Login</h2>
        <div class="boxmodel">A</div>
        <div class="boxmodel">B</div>
        <div class="boxmodel">C</div>
    </section>
</body>
</html>
```

27.4 style-login.css

```
h2{
    color: blue;
}

.boxmodel {
    border: 5px solid red;
    display: inline-block;

    padding: 20px;
    /*all around*/

    padding: 5px 20px 5px 30px;
    /*top, right, bottom, left*/
}

padding: 5px 20px;
/*top/bottom, left/right*/

margin: 2px 20px;
/*top, right, bottom, left*/

margin: 2px 20px;
/*top/bottom, left/right*/

width: 33px; /*content width*/
height: 55px; /*content height*/
}
```

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>

      <hr>
```

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