



MISA HTML/CSS Workshop

Ver 1.0 – Sept 2017

Agenda

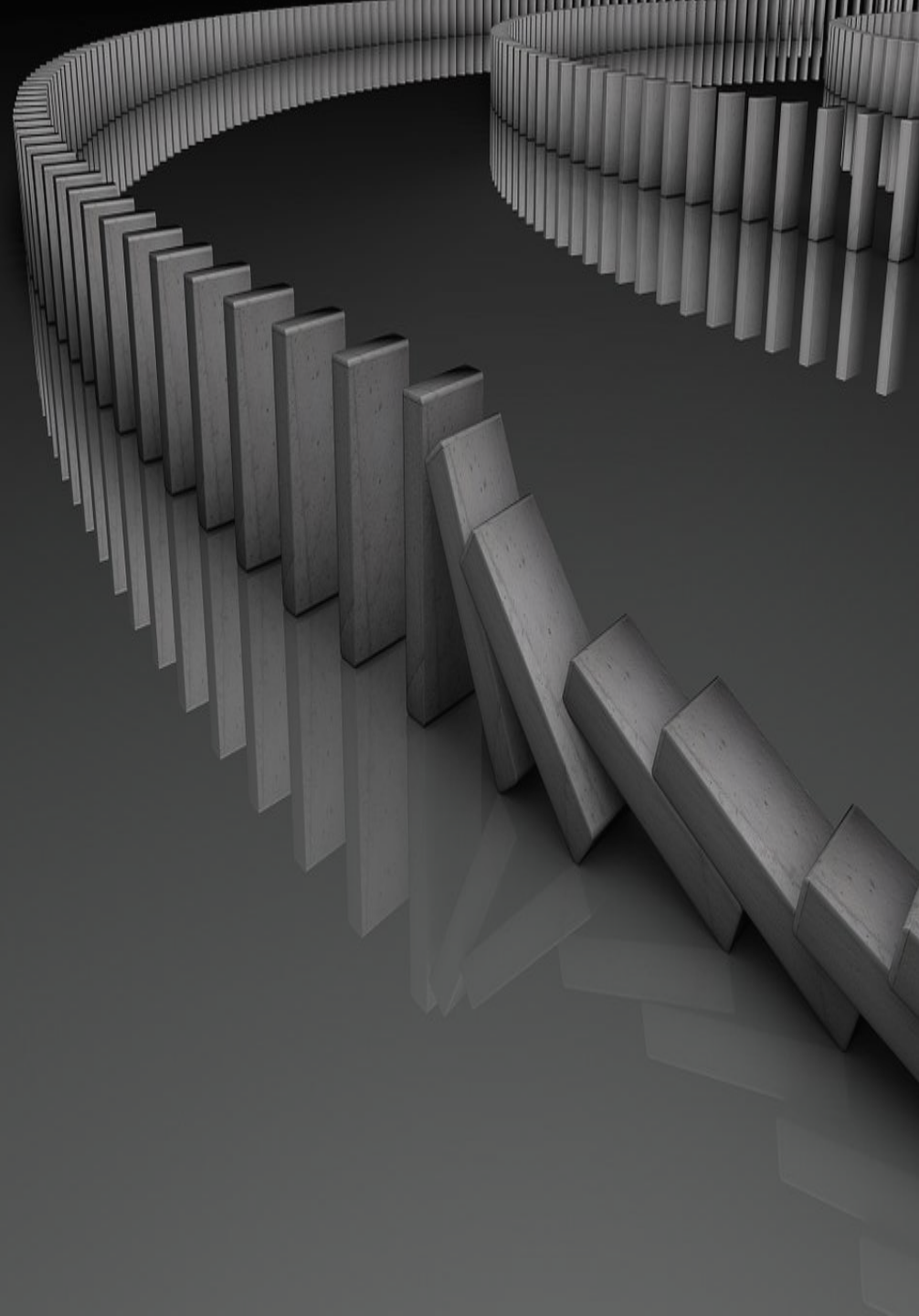


Overview of HTML & CSS

HTML & CSS Tutorial

Exercises

Helpful Resources



Overview of HTML & CSS

HTML Background

HTML: HyperText Markup Language

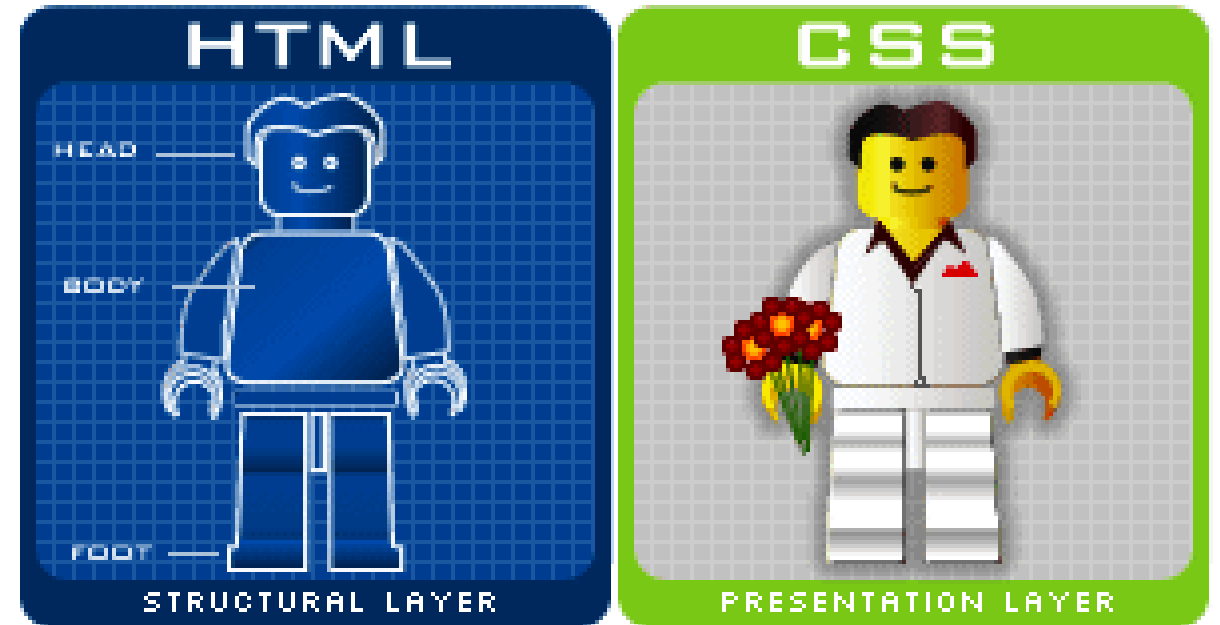
- Uses “element” tags to interpret text to visualize a webpage
- Visualized through an HTML interpreter (i.e. your browser)
- Static when not combined with other technology



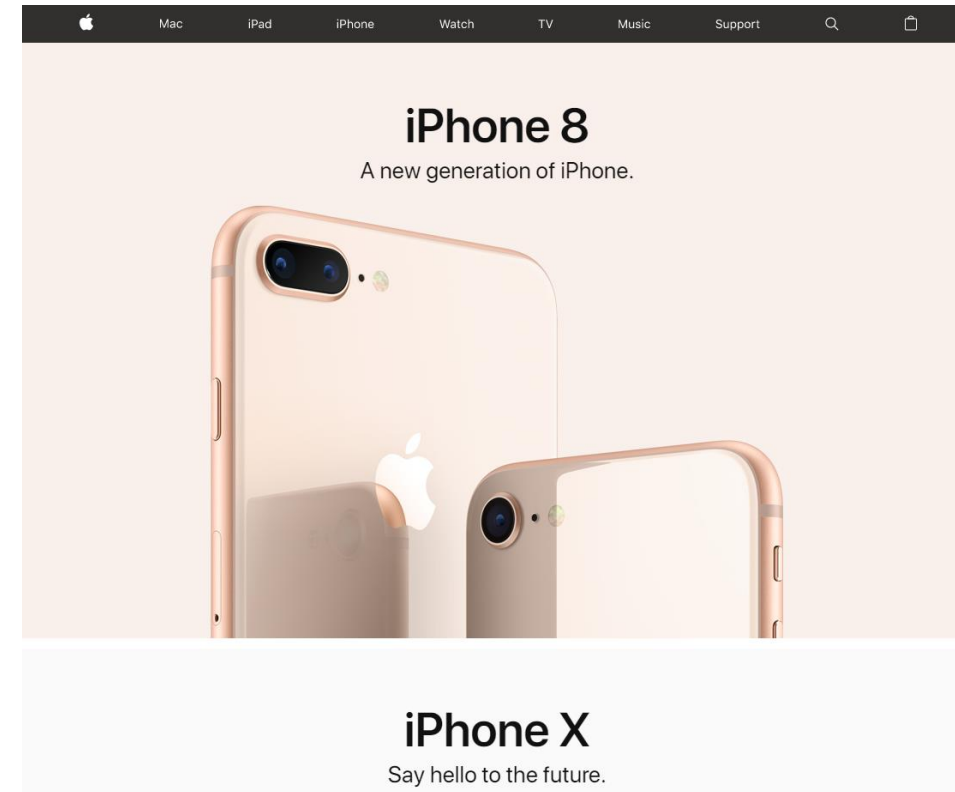
CSS Background

CSS: Cascading Style Sheets

- Contains information used for the presentation or style of elements in a markup document (HTML, XML, etc.)
- Allows the same HTML page to be displayed in a variety of styles
- Prioritizes which style formats to use based on assigned weights in a **cascading** fashion



HTML History



Current Versions

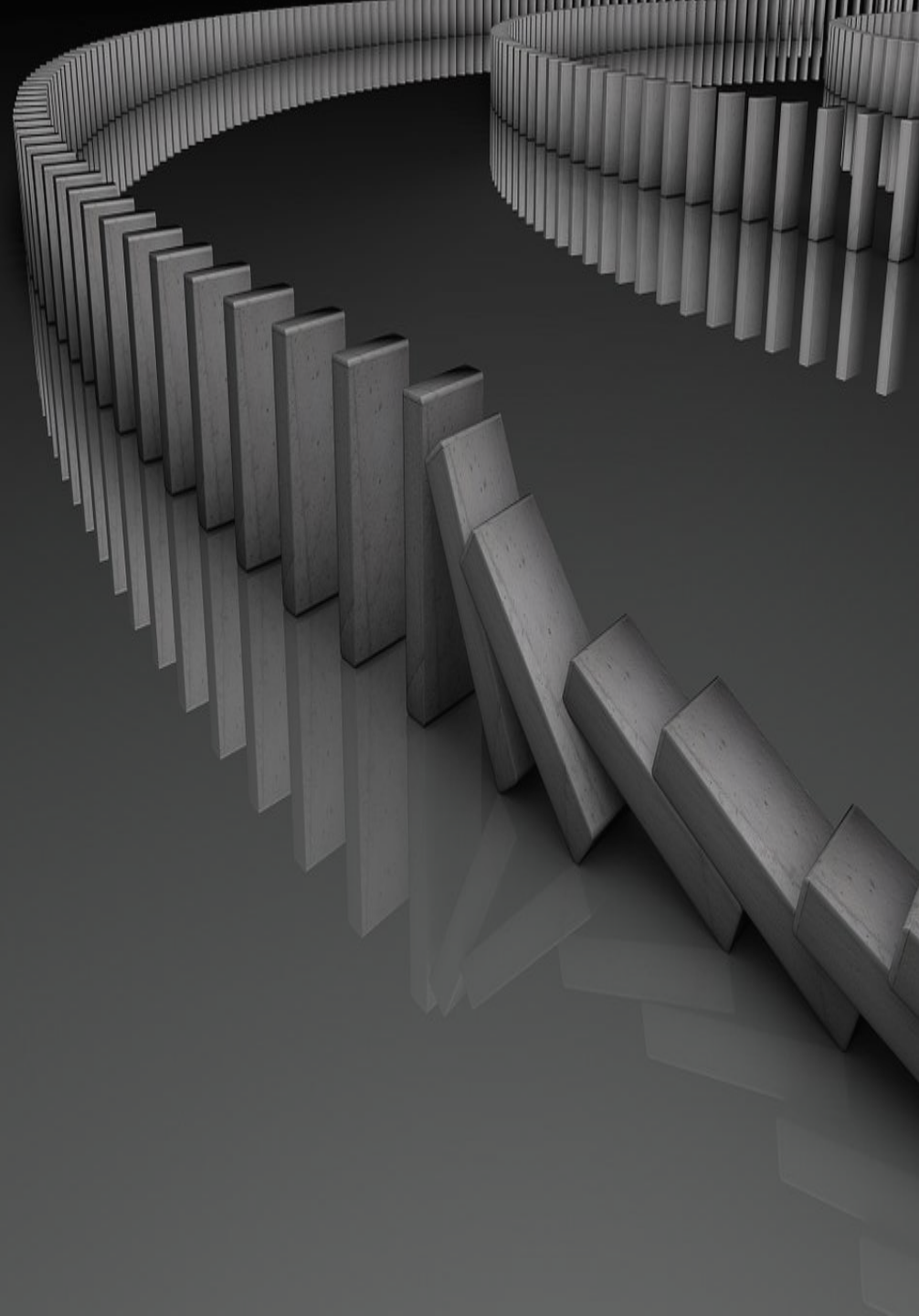
- HTML5 & CSS3
- Different browsers interpret CSS differently
 - Testing required across multiple OS, browsers and browser versions



Use Cases

- Everywhere!
- Combine with the scripting language of your choice (traditionally JavaScript) to make a modern website
- Generally CSS is kept static; HTML is often generated dynamically via web app written in a more powerful programming language (333K, anyone)

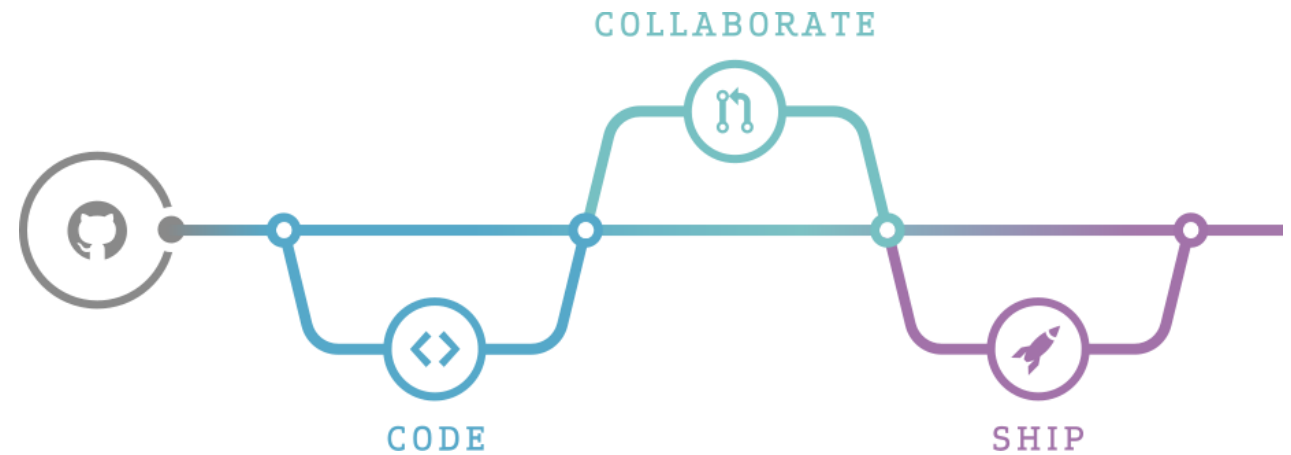




HTML & CSS Tutorial

GitHub

- Open-source version control system
 - Helps keep revisions to code straight
 - Allows easy collaboration
- Great place to host starter projects, resources, etc.
 - Download other peoples' projects



HTML and CSS Basics

HTML:

```
<!DOCTYPE html>
<html>
<!-- created 2010-01-01 -->
<head>
  <title>sample</title>
</head>
<body>
  <p>Voluptatem accusantium
    totam rem aperiam.</p>
</body>
</html>
```

HTML

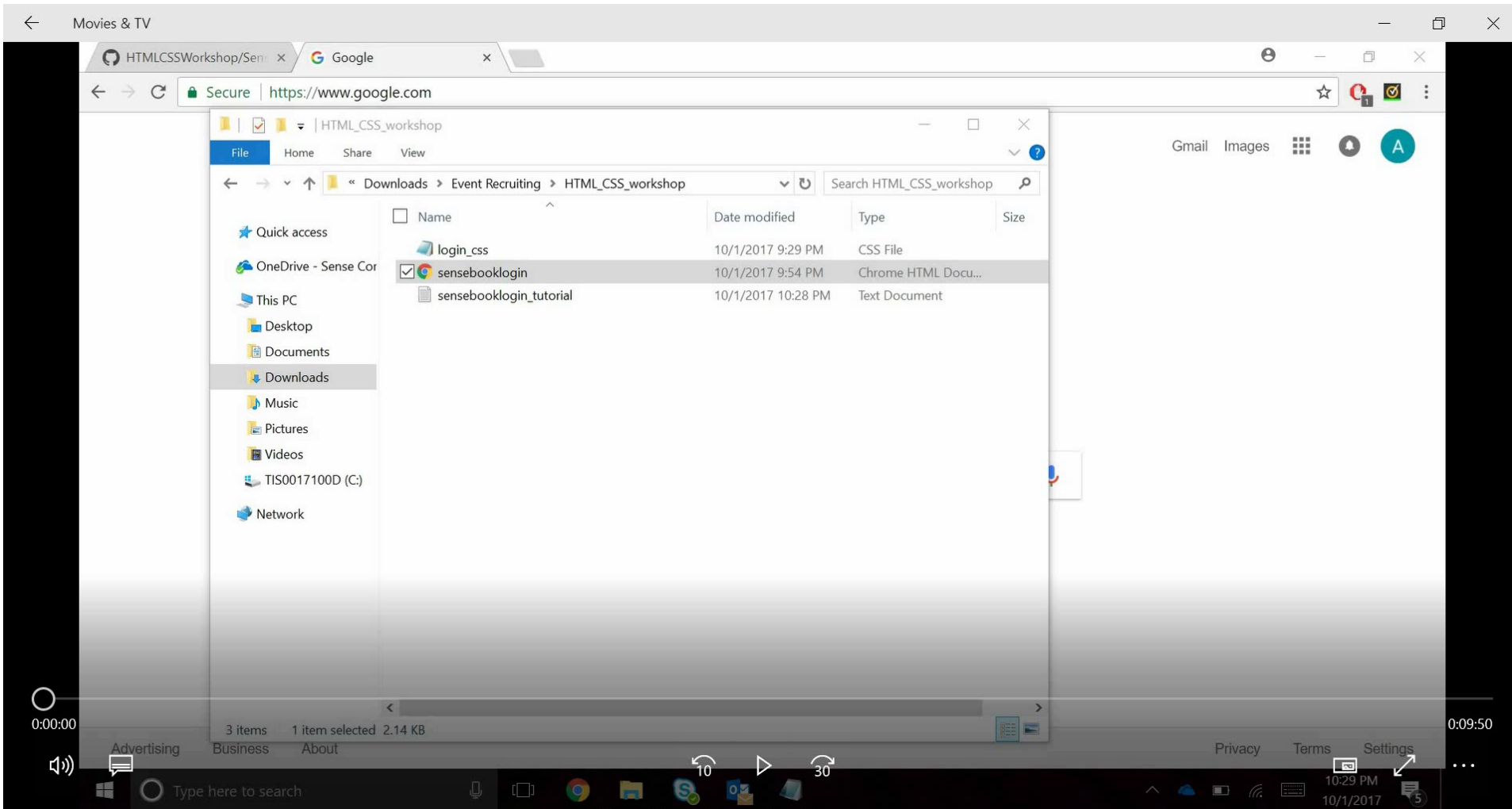
CSS:

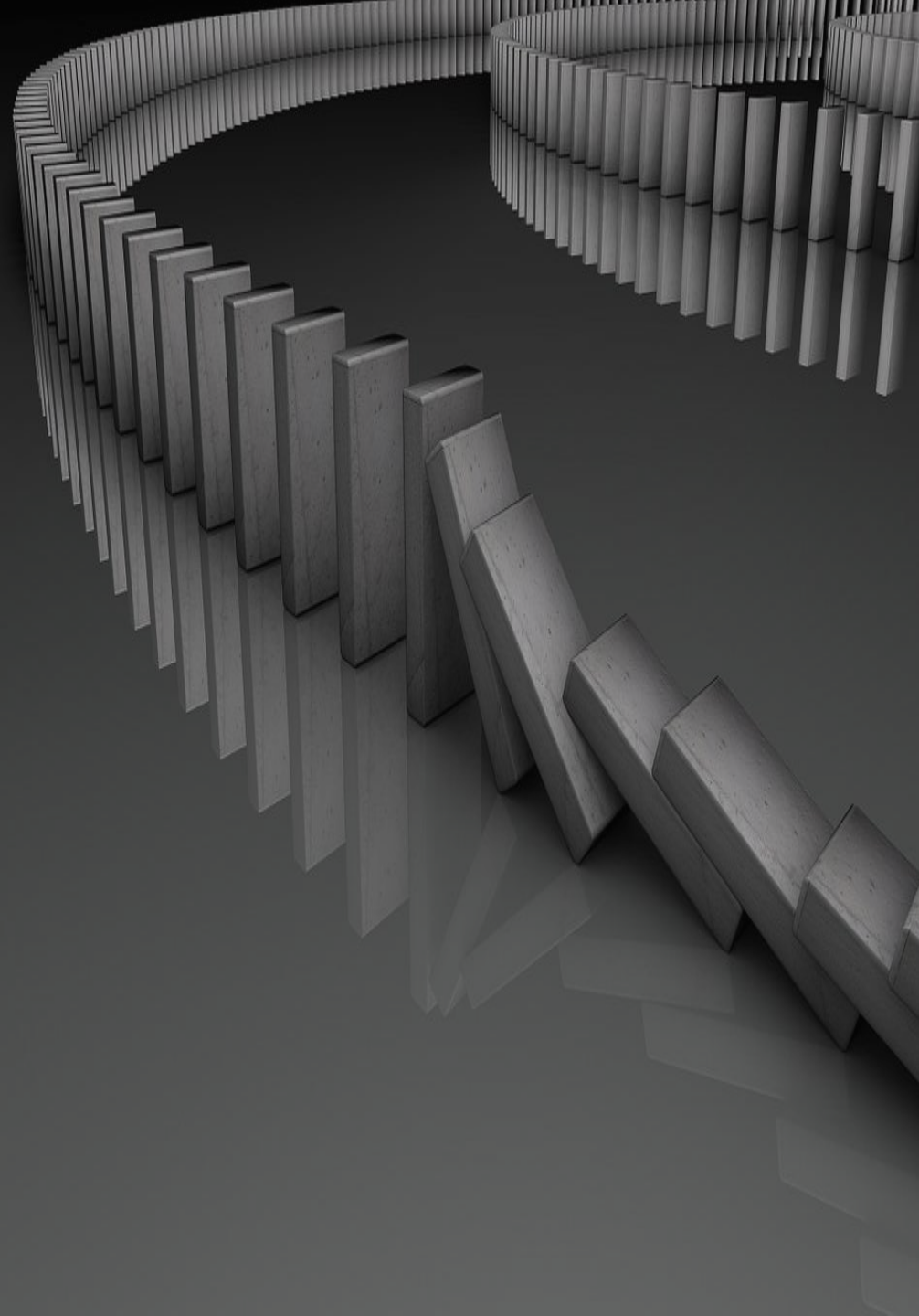
```
h1 { color: white;
      background: orange;
      border: 1px solid bla
      padding: 0 0 0 0;
      font-weight: bold;
    }
/* begin: seaside-theme */

body {
  background-color:white;
  color:black;
  font-family:Arial,sans-serif;
  margin: 0 4px 0 0;
  border: 12px solid;
}
```

CSS

Video Tutorial





Exercises

Starter Page

1. Open Notepad (or IDE if you have one)
2. Copy and paste the code from <http://bit.ly/2xWlczM> into Notepad/IDE
3. Save file with extension .html
4. Open the file in browser
5. Edit, Save, Refresh browser



Exercise #1

Create an account

It's free!

First Name	Last Name
------------	-----------

Email

Username

Password

Birthdate

Male ☐ Female ☐



Create an account

It's free!

Favorite Superhero	Favorite Fruit
--------------------	----------------

Email

Username

Password

Birthdate

Male ☐ Female ☐

Solution #1

```
224 <form method="post" action="Login.html">
225 <input placeholder="First Name" type="text" id="namebox" name="name1" /><input
placeholder="Last Name" type="text" id="namebox"/><br> |
226 <input placeholder="Email" type="text" id="mailbox"/><br>
227 <input placeholder="Username" type="text" id="mailbox"/><br>
228 <input placeholder="Password" type="password" id="mailbox"/><br>
229 Birthday <input type="date" id="namebox"/><br>
230 Male <input type="radio" name="gender" value="male"/> Female <input type="radio" name="
gender" value="female"/><br><br>
231 By clicking Create an account, you agree to our terms.<br><br>
232 <input type="submit" id="button2" value="Signup"/>
233 </form>
```



```
224 <form method="post" action="Login.html">
225 <input placeholder="Favorite Superhero" type="text" id="namebox" name="name1" /><input
placeholder="Favorite Fruit" type="text" id="namebox"/><br>
226 <input placeholder="Email" type="text" id="mailbox"/><br>
227 <input placeholder="Username" type="text" id="mailbox"/><br>
228 <input placeholder="Password" type="password" id="mailbox"/><br>
229 Birthday <input type="date" id="namebox"/><br>
230 Male <input type="radio" name="gender" value="male"/> Female <input type="radio" name="
gender" value="female"/><br><br>
231 By clicking Create an account, you agree to our terms.<br><br>
232 <input type="submit" id="button2" value="Signup"/>
233 </form>
```

Exercise #2

SENSE CORP

Sense Corp helps you connect and share with people.



SENSE CORP

Sense Corp helps you connect and share with people.



Solution #2

```
217 <div class="bodyx">
218   <div id="intro1" class="bodyx">Sense Corp helps you connect and share<br>with people.<br>
219   </div></br>
220
221   <div id="intro2" class="bodyx">Create an account</div>
222   <div id="intro3" class="bodyx">It's free!</div>
223   <div id="form3" class="bodyx">
224     <form method="post" action="Login.html">
225       <input placeholder="First Name" type="text" id="namebox" name="name1" /><input
```

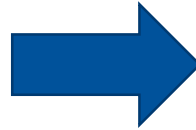


```
237 <div class="bodyx">
238   <div id="intro1" class="bodyx">Sense Corp helps you connect and share<br>with people.<br><br>
239   
240   </div></br>
241
242   <div id="intro2" class="bodyx">Create an account</div>
243   <div id="intro3" class="bodyx">It's free!</div>
244   <div id="form3" class="bodyx">
245     <form method="post">
```

Exercise #3

SENSE
C O R P

Sense Corp helps you connect and share with people.



SENSE
C O R P

Sense Corp helps you connect and share with people.

CLICK ME!

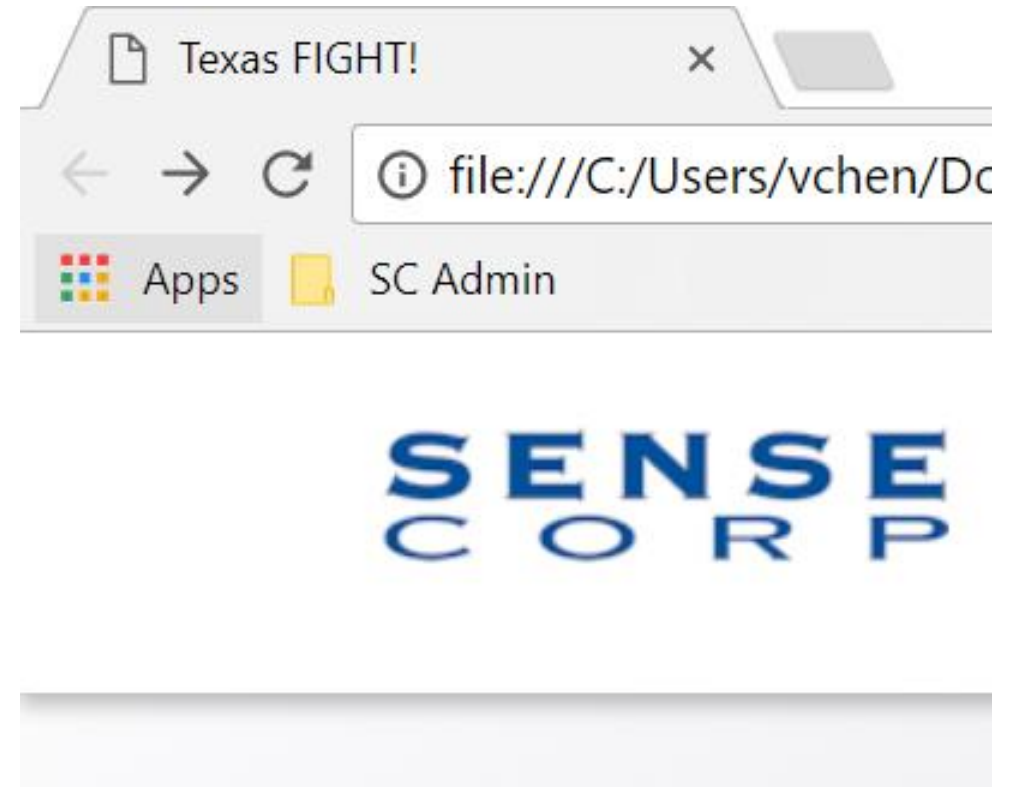
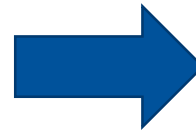
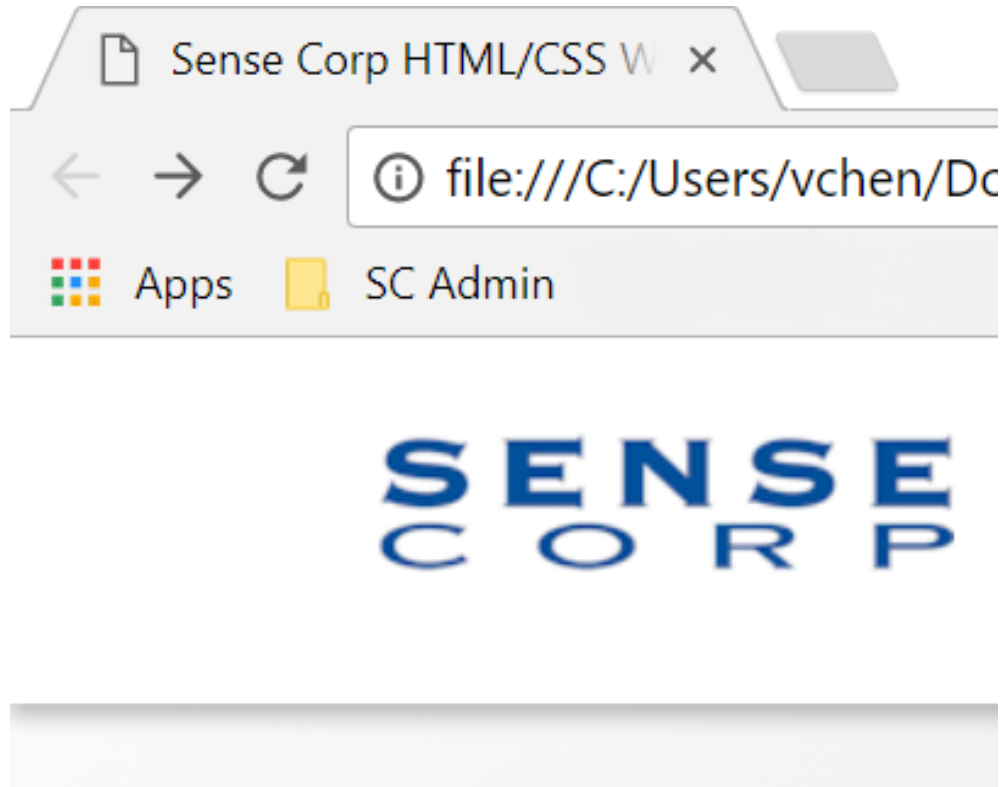
Solution #3

```
217 <div class="bodvx">
218   <div id="intro1" class="bodyx">Sense Corp helps you connect and share<br>with people.<br>
219   </div></br>
220
221   <div id="intro2" class="bodyx">Create an account</div>
222   <div id="intro3" class="bodyx">It's free!</div>
223   <div id="form3" class="bodyx">
224     <form method="post" action="Login.html">
225       <input placeholder="First Name" type="text" id="namebox" name="name1" /><input
```



```
218 <div class="bodvx">
219   <div id="intro1" class="bodyx">Sense Corp helps you connect and share<br>with people.<br>
220   <br><a href="https://www.sensecorp.com" style="color:#142170" target="_blank">CLICK ME!</a>
221   </div></br>
222
223   <div id="intro2" class="bodyx">Create an account</div>
224   <div id="intro3" class="bodyx">It's free!</div>
225   <div id="form3" class="bodyx">
```


Exercise #4



Solution #4

```
183 <html>
184   <title>Sense Corp HTML/CSS Workshop
185   </title>
186   <head>
187     <link type="text/css" rel="stylesheet" href="ust.css" />
188   </head>
```



```
183 <html>
184   <title>Texas FIGHT!
185   </title>-->
186   <head>
187     <link type="text/css" rel="stylesheet" href="ust.css" />
188   </head>
```

Exercise #5

Username

Password

Birthday

Male ☐ Female ☐

By clicking Create an account, you agree to our terms.



Username

Password

Birthday

Male ☐ Female ☐

By clicking Create an account, you agree to our terms.

Solution #5

```
119 #button2{width:100px;  
120 height:50px;  
121 background:green;  
122 color:white;  
123 font-size:20px;  
124 border-radius:15px/15px;  
125 cursor:pointer;  
126 outline:none;}  
127 body1{
```



```
119 #button2{width:100px;  
120 height:50px;  
121 background:#cc5500;  
122 color:white;  
123 font-size:20px;  
124 border-radius:15px/15px;  
125 cursor:pointer;  
126 outline:none;}  
127 body1{
```

Exercise #6

Email or Username

☐ Keep me logged in

Password

[Forgotten my password!](#)

Login



Email or Username

☐ **Keep me logged in**

Password

[Forgotten my password!](#)

Login

Solution #6

```
37  #form1{left:700px;  
38  top:20px;  
39  height:60px;  
40  width:180px;  
41  }  
42  #form2{left:895px;  
43  top:20px;  
44  height:60px;  
45  width:200px;  
46  }
```



```
37  #form1{left:700px;  
38  top:20px;  
39  height:60px;  
40  width:180px;  
41  font-family:impact;  
42  }  
43  #form2{left:895px;  
44  top:20px;  
45  height:60px;  
46  width:200px;  
47  font-family:impact;  
48  }
```


Exercise #7

The screenshot shows a web browser window with the address bar displaying a local file path. The browser's taskbar at the bottom shows various open applications. The web page itself has a light blue header with the 'SENSE CORP' logo on the left. On the right side of the header, there are login fields for 'Email or Username' and 'Password', a 'Keep me logged in' checkbox, a 'Forgotten my password!' link, and a 'Login' button. Below the header, the main content area is split into two sections. The left section contains the text 'Sense Corp helps you connect and share with people.' The right section is titled 'Create an account' with the subtext 'It's free!'. This section contains a series of input fields: 'First Name', 'Last Name', 'Email', 'Username', 'Password', and 'Birthday' (with a placeholder 'mm/dd/yyyy'). Below the 'Birthday' field are radio buttons for 'Male' and 'Female'. At the bottom of the page, there is a small text link that says 'By clicking Create an account, you agree to our terms and conditions.'

Sense Corp HTML/CSS V x

file:///C:/Users/vchen/Documents/HTML%20CSS%20Workshop/HTML%20CSS%20Workshop.html

Apps SC Admin EFM Java Apps | Trellis Sense Corp (sensecorp.com)

SENSE CORP

Email or Username
Email
☐ Keep me logged in

Password
Password
Forgotten my password! **Login**

Sense Corp helps you connect and share with people.

Create an account
It's free!

First Name Last Name

Email

Username

Password

Birthday mm/dd/yyyy

Male ☐ Female ☐

By clicking Create an account, you agree to our terms and conditions.

Screen To Gif (Pre Start 1s)

Type here to search

15 fps Record Stop

10:21 PM 9/29/2017 ENG

Solution #7

```
189 <head>
190   <link type="text/css" rel="stylesheet" href="ust.css" />
191 </head>
192 <body style="height:815px">
193
194   <div class="headerx">
195   </div>
196
197   <div class="header">
198     <div id="img1" class="header" />
199     </a></div>
```



```
189 <head>
190   <link type="text/css" rel="stylesheet" href="ust.css" />
191 </head>
192 <body style="height:815px">
193
194   <div class="headerx">
195   </div>
196
197   <div class="header">
198     <div id="img1" class="header" /><a href="https://sensecorp.com" target="_blank">
199     </a></div>
```

Exercise #8

SENSE
C O R P

Sense Corp helps you connect and share with people.



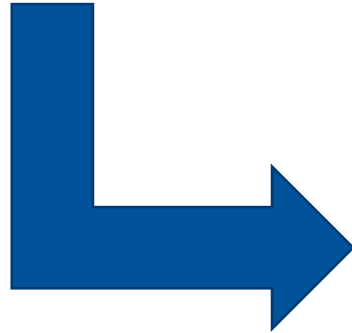
SENSE
C O R P

Sense Corp helps you connect and share with people.

Name	Title	Major	Hobby
Anjali Ahuja	Consultant	MIS	Sitting in broken chairs
Austin Anderson	Yung \$avage	MIS	Puns
Valentina Chen	Professional Nap Taker	MIS	Video games
Chris Thomsen	Consultant	MIS	Soccer

Solution #8

```
217 <div class="bodyx">
218 <div id="intro1" class="bodyx">Sense Corp helps you connect
219 </div><br>
220
221 <div id="intro2" class="bodyx">Create an account</div>
222 <div id="intro3" class="bodyx">It's free!</div>
223 <div id="form3" class="bodyx">
224 <form method="post" action="Login.html">
225 <input placeholder="First Name" type="text" id="name">
```



```
217 <div class="bodyx">
218 <div id="intro1" class="bodyx">Sense Corp helps you connect
219 <table style="font-family:verdana; font-size:12">
220 <tr>
221 <th>Name</th>
222 <th>Title</th>
223 <th>Major</th>
224 <th>Hobby</th>
225 </tr>
226 <tr>
227 <td>Anjali Ahuja</td>
228 <td>Consultant</td>
229 <td>MIS</td>
230 <td>Sitting in broken chairs</td>
231 </tr>
232 <tr>
233 <td>Austin Anderson</td>
234 <td>Yung $avage</td>
235 <td>MIS</td>
236 <td>Puns</td>
237 </tr>
238 <tr>
239 <td>Valentina Chen</td>
240 <td>Professional Nap Taker</td>
241 <td>MIS</td>
242 <td>Video games</td>
243 </tr>
244 <tr>
245 <td>Chris Thomsen</td>
246 <td>Consultant</td>
247 <td>MIS</td>
248 <td>Soccer</td>
249 </tr>
250 </table>
251 </div><br>
```

Exercise #9

SENSE
C O R P

Sense Corp helps you connect and share with people.



SENSE
C O R P

Sense Corp helps you connect and share with people.

Blue Bell Ice Cream

- I. Homemade Vanilla
- II. Cookies N' Cream
- III. Rocky Road
- IV. Mint Chocolate Chip

Solution #9

```
217 <div class="bodyx">
218   <div id="intro1" class="bodyx">Sense Corp helps you connect and share<br>with people.<br>
219   </div></br>
220
221   <div id="intro2" class="bodyx">Create an account</div>
222   <div id="intro3" class="bodyx">It's free!</div>
223   <div id="form3" class="bodyx">
224     <form method="post" action="Login.html">
225       <input placeholder="First Name" type="text" id="namebox" name="name1" /><input
```



```
217 <div class="bodyx">
218   <div id="intro1" class="bodyx">Sense Corp helps you connect and share<br>with people.<br><br>
219   <tagName style="font-family:verdana; font-size: 20"> Blue Bell Ice Cream
220   <ol type="I" style="font-family:verdana; font-size: 14">
221     <li>Homemade Vanilla</li>
222     <li>Cookies N' Cream</li>
223     <li>Rocky Road</li>
224     <li>Mint Chocolate Chip</li>
225   </ol>
226   </div></br>
```


Exercise #10

Sense Corp HTML/CSS V x

file:///C:/Users/vchen/Documents/HTML%20CSS%20Workshop/HTML%20CSS%20Workshop.html

Apps SC Admin EFM Java Apps | Trell Sense Corp (sensecor)

SENSE CORP

Email or Username
Email
☐ Keep me logged in

Password
Password
Forgotten my password!

Login

Sense Corp helps you connect and share with people.

Create an account
It's free!

First Name Last Name

Email

Username

Password

Birthday mm/dd/yyyy

Male ☐ Female ☐

Screen To Gif (Pre Start 1s)

15 fps Record F7 Stop F8

Type here to search

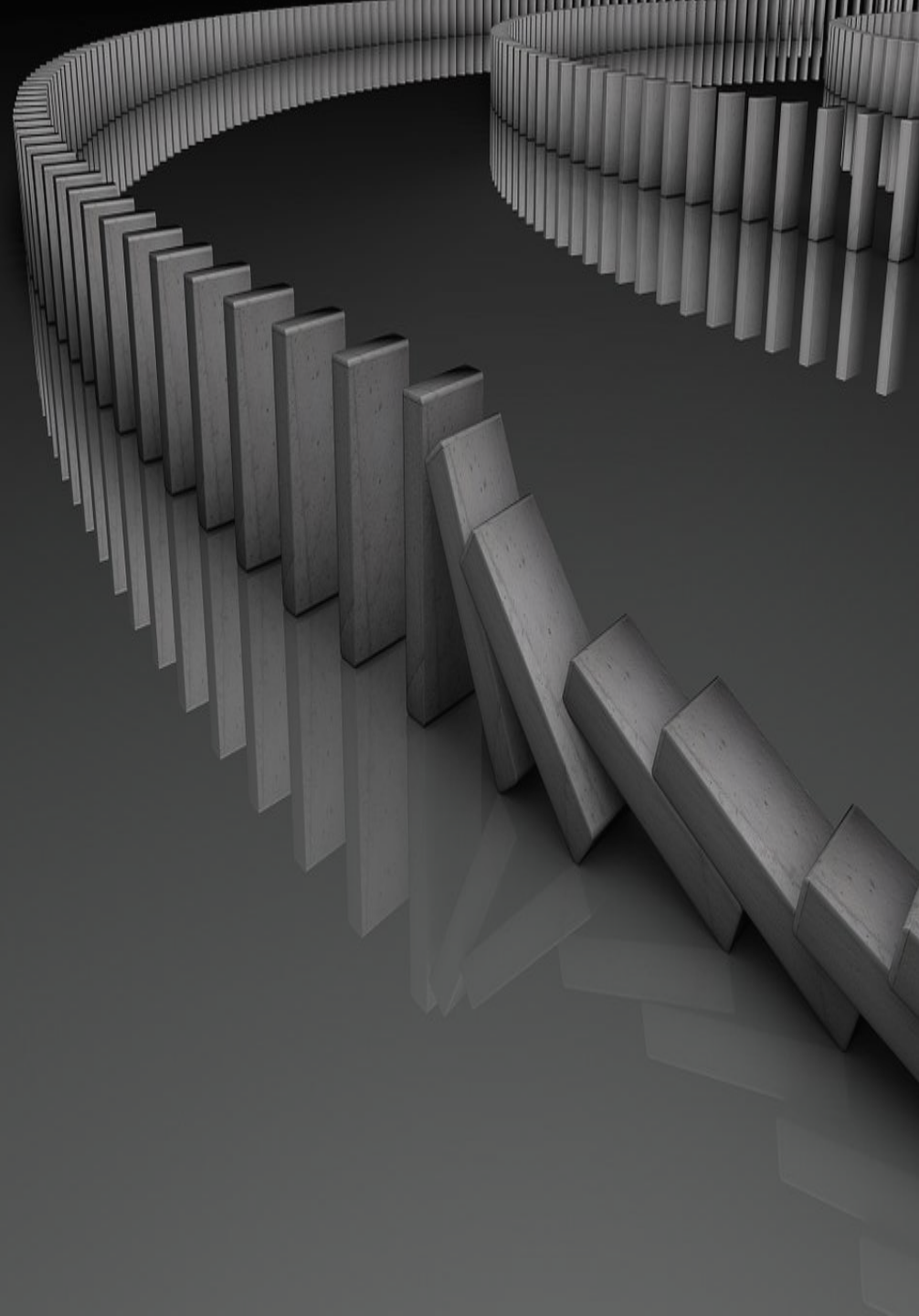
10:31 PM 9/29/2017

Solution #10

```
202 <form method="post">
203 <div id="form1" class="header">Email or Username<br>
204 <input placeholder="Email" type="mail" id="login" name="name" /><br>
205 <input type="checkbox" id="login" />Keep me logged in
206 </div>
207 <div id="form2" class="header">Password<br>
208 <input placeholder="Password" type="password" name="password"/><br>Forgotten my
    password!
209 </div>
210 <div id="submit1" class="header"><input type="submit" id="button1" value="Login"/>
211 </div>
212 </form>
```



```
202 <form method="post" action="Login.html">
203 <div id="form1" class="header">Email or Username<br>
204 <input placeholder="Email" type="mail" id="login" name="name" /><br>
205 <input type="checkbox" id="login" />Keep me logged in
206 </div>
207 <div id="form2" class="header">Password<br>
208 <input placeholder="Password" type="password" name="password"/><br>Forgotten my
    password!
209 </div>
210 <div id="submit1" class="header"><input type="submit" id="button1" value="Login"/>
211 </div>
212 </form>
```



Helpful Resources

Helpful Resources

Free Online Classes

- [Codecademy: HTML & CSS For Beginners](#)
 - Real, in-time code editing guide
- [Shay Howe: In-Depth HTML/CSS Guide](#)
 - Textbook style with more text, in-line code but less interactive
- [Khan Academy: Intro to HTML/CSS](#)
 - Interactive videos with practice problems
- [Codecademy: Learn Git](#)

Code from Today:

<https://github.com/valentinachen-ut/HTMLCSSWorkshop/tree/walkthrough>

Reference Guides

- [W3Schools](#)
- [HTML Cheat Sheet](#)

IDEs

- [Sublime](#)
- [Notepad++](#)
- [Atom](#)



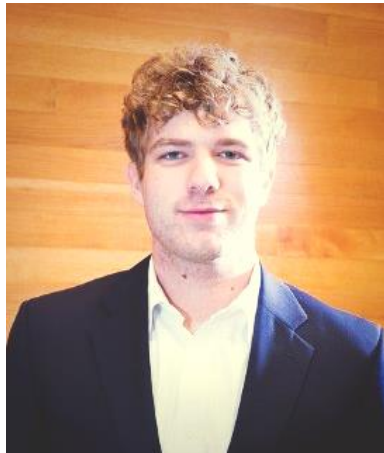
Q&A

THE TEAM



Anjali Ahuja

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Atlanta | Austin | Columbus | Dallas | Houston | St. Louis