

“The Web Design Workshop” Decal – Spring 2014

Programming Handout 3

Goals:

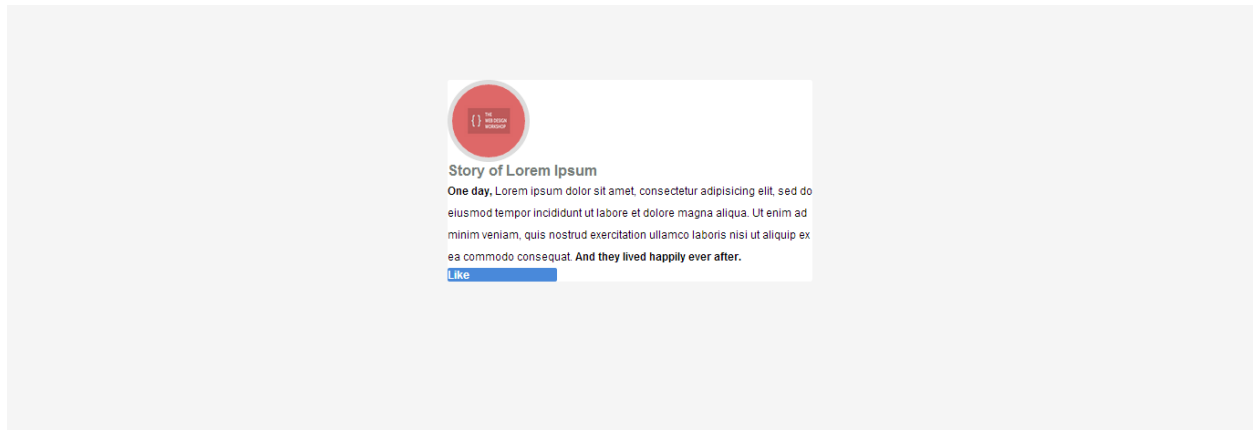
1. Applying the CSS Box Model

Before we begin, make sure you have downloaded the *handout3.zip* file. Unzip this file, and you should see 3 files inside the *handout3* folder: *lorem.html*, *styles.css*, and *twdw_banner.png*

1 – Applying the CSS Box Model

1. Open both *lorem.html* and *styles.css* in Sublime. Take a look at the *lorem.html* elements to get an understanding of the HTML structure. Then, pull up *styles.css*. We will start adding styles to *lorem.css*.

If curious, you can open up *lorem.html* in your browser and you will see this:

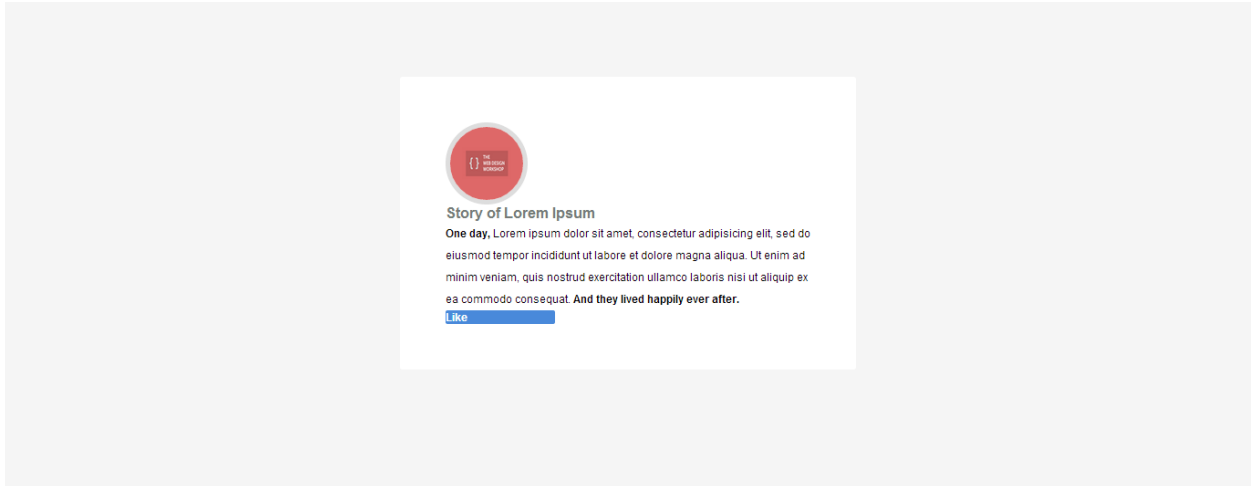


Lots of room for improvement!

2. First, let's add **padding** around our content, for some breathing room. In your *styles.css*, add the following style to the element with id of *badge*:

padding: 50px;

Open or refresh your *lorem.html* page in the browser. You get:



3. Looking good! Let's center that red circle, and while at it, add a bit of space between the circle and the title.

Add the following styles to the element with the id of *badge-icon*:

```
margin-left: auto;  
margin-right: auto;  
margin-bottom: 20px;
```

So many **margins**! You can also write these 3 lines as: *margin: 0 auto 20px auto;*

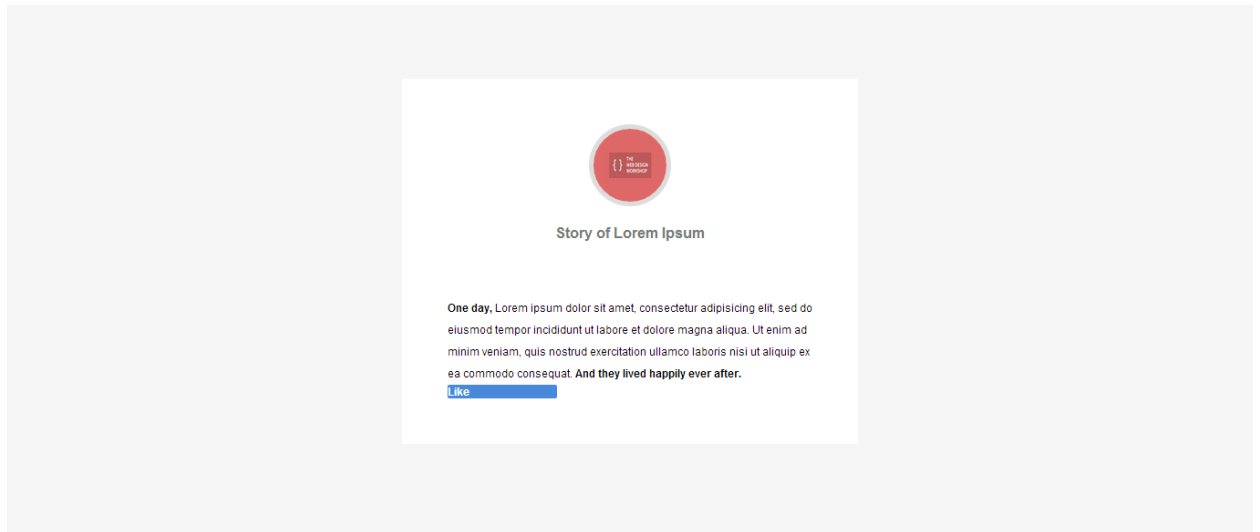
Remember that *margin-left* and *margin-right* auto centers your div. Remember that `` tags also need an additional property, *display: block*, to center it so it can act like a div. However, we wrapped our `` tags in a `<div>` element in this example (`<div></div>`) so there is no need to manually define *display: block*.

Can we use *padding-bottom* instead? In this example, you could, since we have no border or background-color, so *padding-bottom* and *margin-bottom* can be interchangeable.

4. Next, let's center our title, and also add some space between it and the body text. Add the following style to the element with id of *badge-title*:

```
text-align: center;  
margin-bottom: 60px;
```

Your page is looking much nicer!



5. Lastly, let's fix that weird looking Like button. Let's break this one down. What do we want to do with the Like button?

- Center the "Like" text within the div
- Center the div within the white box
- Add padding around the "Like" text
- Add space between the body text and the Like button

Let's start with the first requirement. Simply find the *#badge-action* and add the following style:

```
text-align: center;
```

Second requirement: Let's center the div. How do you do that again?

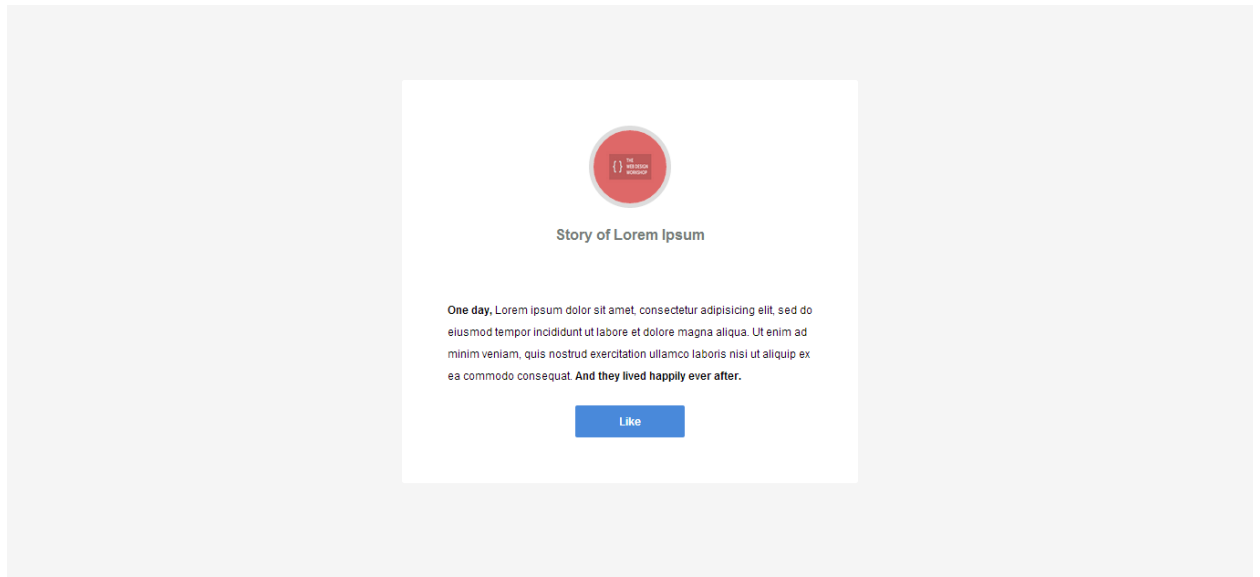
```
margin-left: auto;  
margin-right: auto;
```

Third requirement: Let's add padding! We just need padding on the top and bottom of the Like button, since we already set a width for the div. Let's add padding of 10px;

```
padding-top: 10px;  
padding-bottom: 10px;
```

Fourth requirement: Add a small *margin-top* to separate the button from the body text. Notice how we **cannot** use *padding-top* in this case because we gave our div a background-color of blue.

margin-top: 20px;



Beautiful.

Congratulations! Let's review what we learned:

- We used our knowledge of divs and CSS to construct a CSS Box
- We utilized paddings and margins
- We centered divs, even text within divs