

## “The Web Design Workshop”– Spring 2014

### CSS Box Model

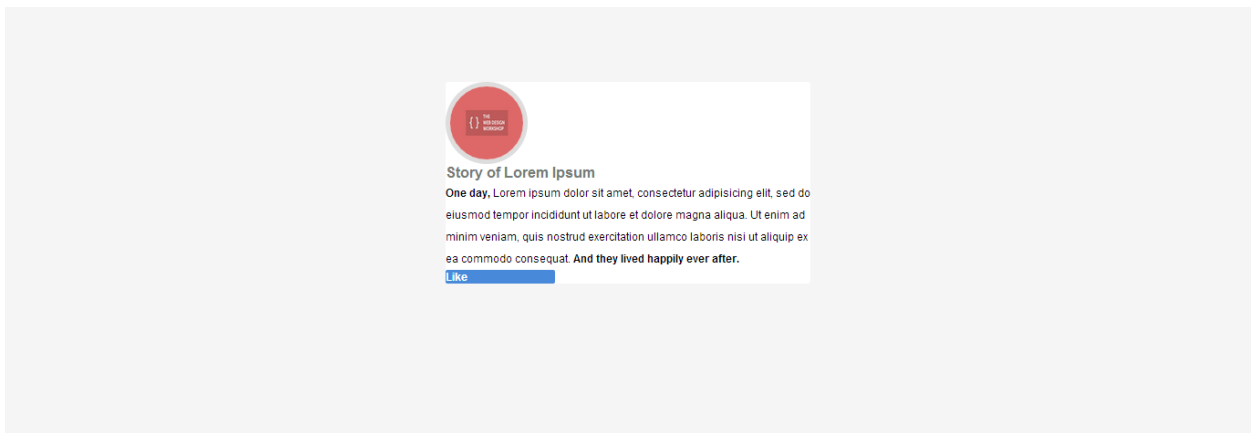
#### Goals:

1. Applying the CSS Box Model

#### 1 – Applying the CSS Box Model

1. Inside the *handson2* folder, 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:

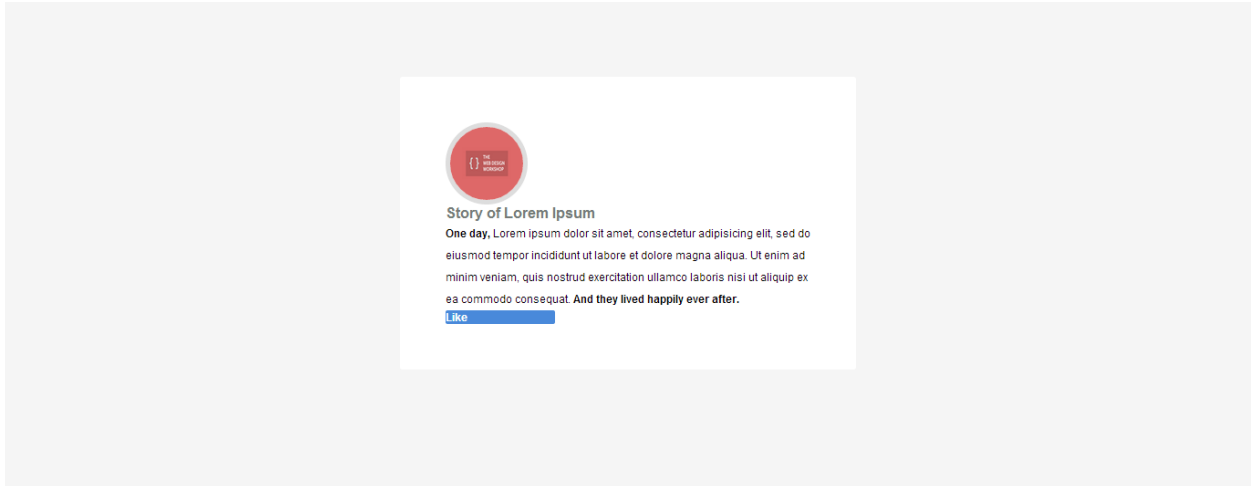


Lots of room for improvement!

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;*

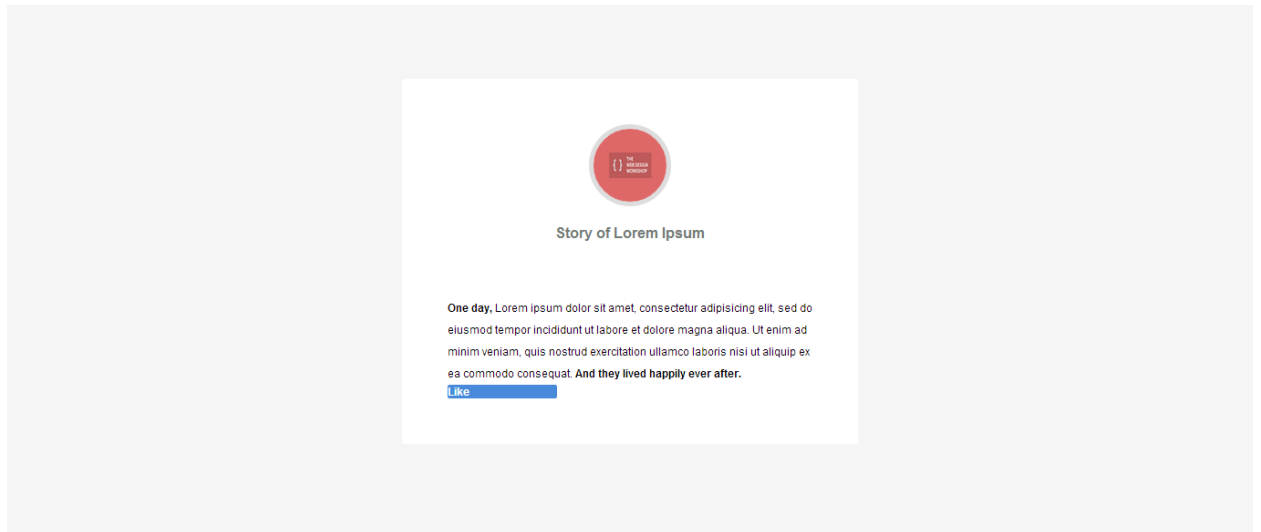
Remember that margin-left and margin-right auto centers your div. Remember that `<img>` tags also need an additional property, `display: block`, to center it so it can act like a div. However, we wrapped our `<img>` tags in a `<div>` element in this example (`<div><img ...></div>`) so there is no need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

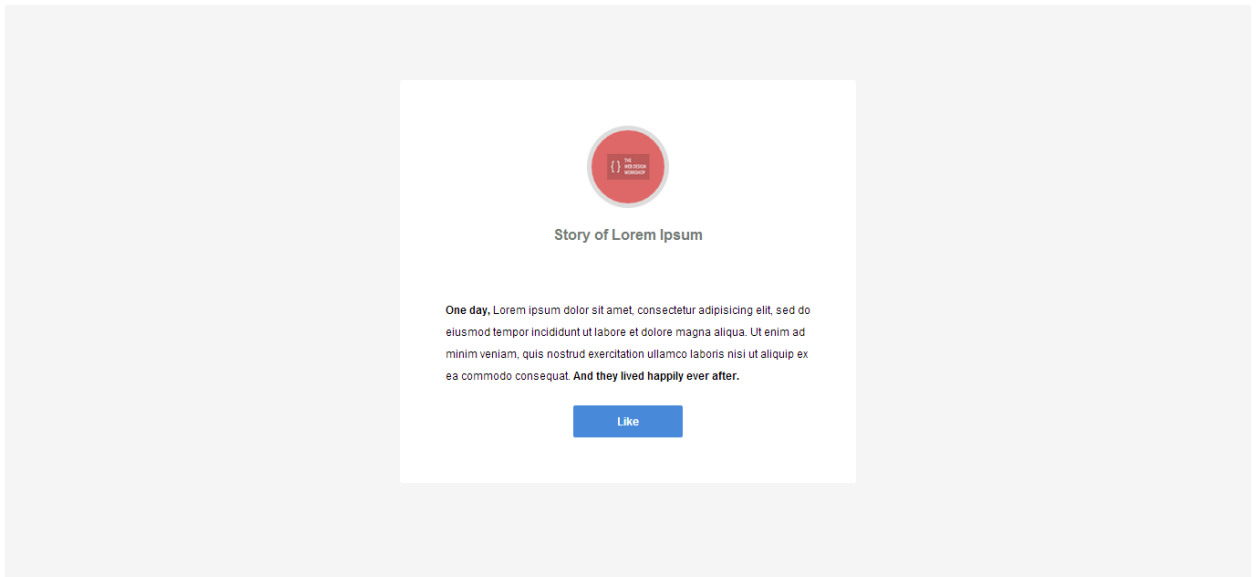
```
margin-left: auto;  
margin-right: auto;
```

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.**

In addition, you can play around with the font-family, weight, etc. if you want to practice your CSS. Some useful CSS styles:

- **color** (changes text color)
- **background-color** (changes background color)
- **font-size** (change the pixels)
- **font-weight** (either normal or bold)
- **font-family** (maybe try Georgia or a sans-serif font, just for a test run)
- **opacity** (make your element transparent, takes a value from 0 to 1)
- **text-align** (left, center, right)

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