Week 8 Readings,

**Chapter 8**

Transforms: lets you lets you translate, rotate, scale, and/or skew any element on the page.

* transform: translate(45px, -45px);
* To move 45px to the right along the x axis, include:
* transform: translateX(45px);
* To move up along the y axis by 30px, include:
* transform: translateY(-30px);

Translation: allow you to move elements left, right, up, or down. These functions are similar to the behavior of position: relative; when declaring top and left, moving elements up and down or left and right along the x and y axes.

The scale(x,y) function scales an element by the defined factors horizontally then vertically.

* transform: scale(1.5, 0.25);

The rotate() function rotates an element around the point of origin by a specified angle value.

* .ad-ad2 h1:hover span {
  + color: #484848;
  + transform: rotate(10deg) translateX(40px) scale(1.5);

}

The skew(x,y) function specifies a skew along the x and y axes.

* transform: skew(15deg, 4deg);

Transform of Origin

transform-origin: 0 0;

.

**Transitions**: allow the values of CSS properties to change over time, essentially providing simple animations.

* .ad-ad2 h1 span {
* transition-property: transform;
* }

Chapter 12:

Canvas: we can draw anything we can imagine, all through JavaScript

Creating a canvas Element;

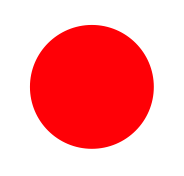
* <canvas>
* Sorry! Your browser doesn’t support Canvas.
* </canvas>

Canvas can use CSS

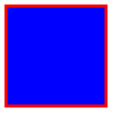
* <canvas id="myCanvas" class="myCanvas" width="200" height="200">
* Sorry! Your browser doesn’t support Canvas
* </canvas>

SVG: SVG stands for Scalable Vector Graphics, a specific file format that allows you to describe vector graphics using XML.

* <svg xmlns="http://www.w3.org/2000/svg" viewBox="0 0 400 400">
* <circle cx="50" cy="50" r="25" fill="red"/>
* </svg>



* <svg xmlns="http://www.w3.org/2000/svg" viewbox="0 0 400 400">
* <desc>Drawing a rectangle</desc>
* <rect x="10" y="10" width="100" height="100"
* fill="blue" stroke="red" stroke-width="3" />
* </svg>



**Drag and Drop**

This API allows us to specify that certain elements are draggable, and then specify what should happen when these draggable elements are dragged over or dropped onto other elements on the page.

Feeding the WAI-ARIA Cat

<article id="ac3">

<h1>Wai-Aria? HAHA!</h1>

<h2>Form Accessibility</h2>

<img data-src="https://learnable-static.s3.amazonaws.com/premium/reeedr/books/html5-css3-for-the-real-world-2nd-edition/images/cat.png" alt="WAI-ARIA Cat">

<div class="content">

<p id="mouseContainer" class="mc">

<img data-src="https://learnable-static.s3.amazonaws.com/premium/reeedr/books/html5-css3-for-the-real-world-2nd-edition/images/computer-mouse-pic.svg" ↵alt="mouse treat" id="mouse1" draggable="true">

<img data-src="https://learnable-static.s3.amazonaws.com/premium/reeedr/books/html5-css3-for-the-real-world-2nd-edition/images/computer-mouse-pic.svg" ↵alt="mouse treat" id="mouse2" draggable="true">

<img data-src="https://learnable-static.s3.amazonaws.com/premium/reeedr/books/html5-css3-for-the-real-world-2nd-edition/images/computer-mouse-pic.svg" ↵alt="mouse treat" id="mouse3" draggable="true">

</p>

…

.draganddrop .mc { text-align: center; }

