Project #8

Batch #106

Design by   Dr. Amir Wahla

Create Basic HTML Structure

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Document</title>
  </head>
  <body>
</body>
</html>
```

link External CSS

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Document</title>
 <link rel="stylesheet" href="styles.css" />
  </head>
  <body>
  </body>
</html>
```

```
<div class="wrapper">



        </div>
```

Select All & body of the document

```css
*
{
    box-sizing: border-box;
}
body
{
    line-height: 1.618em;
    color: #444;
    overflow-y: scroll;
}
```

Select wrapper & style it

```css
.wrapper
{
    max-width: 50rem;
    width: 100%;
    margin: 1rem auto;
    text-align: center;
    z-index: -1;
}
```

Write HTML for radio button

```html
<input type="radio" name="rotate-switches" id="rotate" checked class="rotate">
    <label for="rotate" class="rotate-label">Auto</label>
```

Write HTML for radio button

```html
<input type="radio" name="rotate-switches" id="front" class="rotate">
    <label for="front" class="rotate-label">Front</label>

    <input type="radio" name="rotate-switches" id="left" class="rotate">
    <label for="left" class="rotate-label">Left</label>

    <input type="radio" name="rotate-switches" id="back" class="rotate">
    <label for="back" class="rotate-label">Back</label>
```

Write HTML for radio button

```html
<input type="radio" name="rotate-switches" id="right" class="rotate">
      <label for="right" class="rotate-label">Right</label>


      <input type="radio" name="rotate-switches" id="top" class="rotate">
      <label for="top" class="rotate-label">Top</label>


      <input type="radio" name="rotate-switches" id="bottom" class="rotate">
      <label for="bottom" class="rotate-label">Bottom</label>
```

Style rotate&rotatelabel

```css
.rotate
{
    display: none;
}
.rotate-label
{
    display: inline-block;
    margin-left: 0.5rem;
    background: #2980b9;
    color:#fff;
    border-radius: 0.5rem;
    padding: 0.25rem 0.5rem;
    cursor: pointer;
    transition: all 0.25s;
```

Html the class cube inside perspective

```html
<div class="perspective">
<div class="cube">



 </div>
</div>
```

Html the clases inside cube

```html
<div class="front">
        <img src="1.jpg" alt="">
    </div>
    <div class="back">
        <img src="2.jpg" alt="">

    </div>
    <div class="top">
        <img src="3.jpg" alt="">

    </div>
```

Html the clases inside cube

```html
<div class="bottom">
        <img src="4.jpg" alt="">

    </div>
    <div class="left">
        <img src="5.jpg" alt="">

    </div>
    <div class="right">
        <img src="6.jpg" alt="">
```

Style rotate cheked & perspective

```css
.rotate:checked + .rotate-label{

    background: #3498db;

}

.perspective

{

    position: relative;

    z-index: -1;

    perspective: 2000px;

    perspective-origin: 25rem -150px;

}
```

Style cube & cube div

```css
.cube
{
    position: relative;
    width: 400px;
    margin: 3.5rem auto;
    transform-style: preserve-3d;
    transition: all 0.5s;
}
.cube div
{
    position: absolute;
    width: 400px;
    height: 400px;
    opacity: 0.95;
}
```

```css
.cube img
{
    max-height: 100%;
    max-width: 100%;
}



#rotate:checked ~ .perspective > .cube{
    animation: rotate 10s infinite linear;
}
```

```css
#front:checked ~ .perspective >.cube{
    transform: rotatex(0deg) rotatey(0deg);
    animation: none;
}
#left:checked ~ .perspective >.cube{
    transform: rotatex(0deg) rotatey(90deg);
    animation: none;
}
#back:checked ~ .perspective > .cube{
    transform: rotatex(0deg) rotatey(180deg);
    animation: none;
}
```

Style next...

```
#right:checked ~ .perspective > .cube{
    transform: rotatex(0deg) rotatey(270deg);
    animation: none;
}
#top:checked ~ .perspective > .cube{
    transform: rotatex(-90deg) rotatey(0deg) translatez(200px) translateY(-200px);

    animation: none;
}
#bottom:checked ~ .perspective > .cube{
    transform: rotatex(90deg) rotatey(180deg) translateZ(120px)
translateY(200px);
    animation: none;
}
```

```css
.front

{

    transform: translateZ(200px);

}

.back

{

    transform: translateZ(-200px) rotateY(180deg);

}

.left

{

    transform: rotatey(270deg) translateX(-200px);

    transform-origin: center left;

}
```

```css
.right
{
    transform: rotateY(-270deg) translateX(200px);
    transform-origin: top right;
}
.top{
    transform: rotateX(90deg) translateY(-200px);
    transform-origin:top center ;
}
.bottom{
    transform: rotateX(-90deg) translateY(200px) ;
    transform-origin:bottom center ;
}
```

```css
@keyframes rotate
{
    from{
        transform:rotateY(0deg);
    }
    to
    {
        transform:rotateY(360deg);

    }
}
```