Light_style.css

```css
/* Developer: Vivencio B. Bataga II
Start Date: 19/06/2024 */

/* set the height of the body and html to 100%*/
html, body {
    height: 100%;
    width: 100%;
    }

    #wrapper {
    text-align: center;
    width: 100%;
    }

    #lightbox {
    flex-direction: column;
    grid-gap: 5px 5px;
    grid-template-rows: 33% 33% 33%;
    padding:5px;
    border: 7px solid rgb(0,0,0);
    border-radius: 15px;
    height: 200px;
    width: 70px;
    margin: 0px auto 0px auto;
    }

    .light {
    height: 50px;
    width: 50px;
    border-radius: 50%;
    border: 2px solid rgb(0,0,0);
    margin: 10px;
    }

    .lightpost {
    flex-direction: column;
    height: 150px;
    width: 20px;
    position: relative;
    background: rgb(0,0,0);
    margin: 0px auto 0px auto;
    }
```

```css
.button-container {
flex-direction: column;
grid-gap: 5px 5px;
grid-template-rows: 33% 33% 33%;
padding: 5px;
width: 53px;
border: 5px solid rgb(0,0,0);
border-radius: 5px;
background: rgb(256,256,256);
margin: 0px auto 0px auto;
}

.button-item {
margin: 2px 0px 2px 0px;
flex-direction: column;
}

.button-item input {
width: 4em;
}

#base {
flex-direction: column;
height: 30px;
width: 40px;
background: rgb(0,0,0);
margin: -7px auto 0px auto;
border: 15px solid rgb(0,0,0);
border-radius: 10px;
}

@keyframes blink {
0% {
opacity: 1;
}
50% {
opacity: 0;
}
100% {
opacity: 1;
}
}

.blink {
```

```
        animation: blink 1s infinite;
    }
```

stoplight.html

```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <!-- Developer: Vivencio B. Bataga II
             Start Date: 10/06/2024 -->
        <title>
            My First Web Stoplight
        </title>
        <link rel="stylesheet" type="text/css" href="light_style.css"/>
        <script src="stoplight2.js"></script>
    </head>
    <body>
        <div id="wrapper">
            <div id="lightbox">
                <div>
                    <div class="light" id="GreenLight"></div>
                </div>
                <div>
                    <div class="light" id="YellowLight"></div>
                </div>
                <div>
                    <div class="light" id="RedLight"></div>
                </div>
            </div>
            <div class="lightpost">
        </div>
        <div class="button-container">
            <div class="button-item">
                <input type=button value="Red">
            </div>
            <div class="button-item">
                <input type=button value="Yellow">
            </div>
            <div class="button-item">
                <input type=button value="Green">
            </div>
```

```
        </div>
        <div class="lightpost">

        </div>
        <div id="base">

        </div>
    </div>
</body>
</html>
```

stoplight2.js

```javascript
document.addEventListener('DOMContentLoaded', function() {
    const redButton = document.querySelector('input[value="Red"]');
    const yellowButton = document.querySelector('input[value="Yellow"]');
    const greenButton = document.querySelector('input[value="Green"]');
    const redLight = document.getElementById('RedLight');
    const yellowLight = document.getElementById('YellowLight');
    const greenLight = document.getElementById('GreenLight');

    function resetLights() {
        redLight.style.backgroundColor = '';
        yellowLight.style.backgroundColor = '';
        greenLight.style.backgroundColor = '';
        redLight.classList.remove('blink');
    }

    function blinkRed() {
        redLight.classList.add('blink');
    }

    redButton.addEventListener('click', function() {
        makeLight('Red');
        blinkRed();
    });

    yellowButton.addEventListener('click', function() {
        makeLight('Yellow');
    });

    greenButton.addEventListener('click', function() {
```

```javascript
        makeLight('Green');
    });

    function makeLight(color) {
        resetLights();
        if (color === 'Red') {
            redLight.style.backgroundColor = 'red';
        } else if (color === 'Yellow') {
            yellowLight.style.backgroundColor = 'yellow';
        } else if (color === 'Green') {
            greenLight.style.backgroundColor = 'green';
        }
    }
    });
```