Practical 9 - WT

CSS Transitions and Animations
Task: Interactive Animation Page

· Objective: Implement CSS transitions and animations on various elements.

· Activities:

· Create a button with a hover effect that changes color smoothly.

· Animate an element to move across the screen using CSS animations.

· Use keyframes to create a more complex animation sequence.

HTML

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width,
initial-scale=1.0"> <title>Interactive Animation Page</title>
<link rel="PRC9" href="t1.css">
</head>
<body>
<button class="color-button">Hover Me!</button>
<div class="moving-box"></div>
<div class="complex-animation"></div>
</body>
</html>
```

CSS

```css
body {
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    background-color: #f0f0f0;
    overflow: hidden;
}

.color-button {
```

```css
    padding: 15px 30px;
    font-size: 16px;
    border: none;
    background-color: #3498db;
    color: white;
    cursor: pointer;
    transition: background-color 0.3s ease;
}

.color-button:hover {
    background-color: #2ecc71;
}

.moving-box {
    width: 50px;
    height: 50px;
    background-color: #e74c3c;
    position: absolute;
    animation: move 5s linear infinite;
}

@keyframes move {
    0% {
        left: 0;
        top: 50%;
        transform: translateY(-50%);
    }
    100% {
        left: 100%;
        top: 50%;
        transform: translate(-100%, -50%);
    }
}

.complex-animation {
    width: 50px;
    height: 50px;
    background-color: #9b59b6;
    position: absolute;
    top: 70%;
    animation: complex 5s infinite;
}
```

```css
@keyframes complex {
    0% {
        left: 0;
        background-color: #9b59b6;
        transform: scale(1);
    }
    25% {
        left: 25%;
        background-color: #e74c3c;
        transform: scale(1.5);
    }
    50% {
        left: 50%;
        background-color: #3498db;
        transform: scale(1);
    }
    75% {
        left: 75%;
        background-color: #2ecc71;
        transform: scale(1.5);
    }
    100% {
        left: 100%;
        background-color: #9b59b6;
        transform: scale(1);
    }
}
```
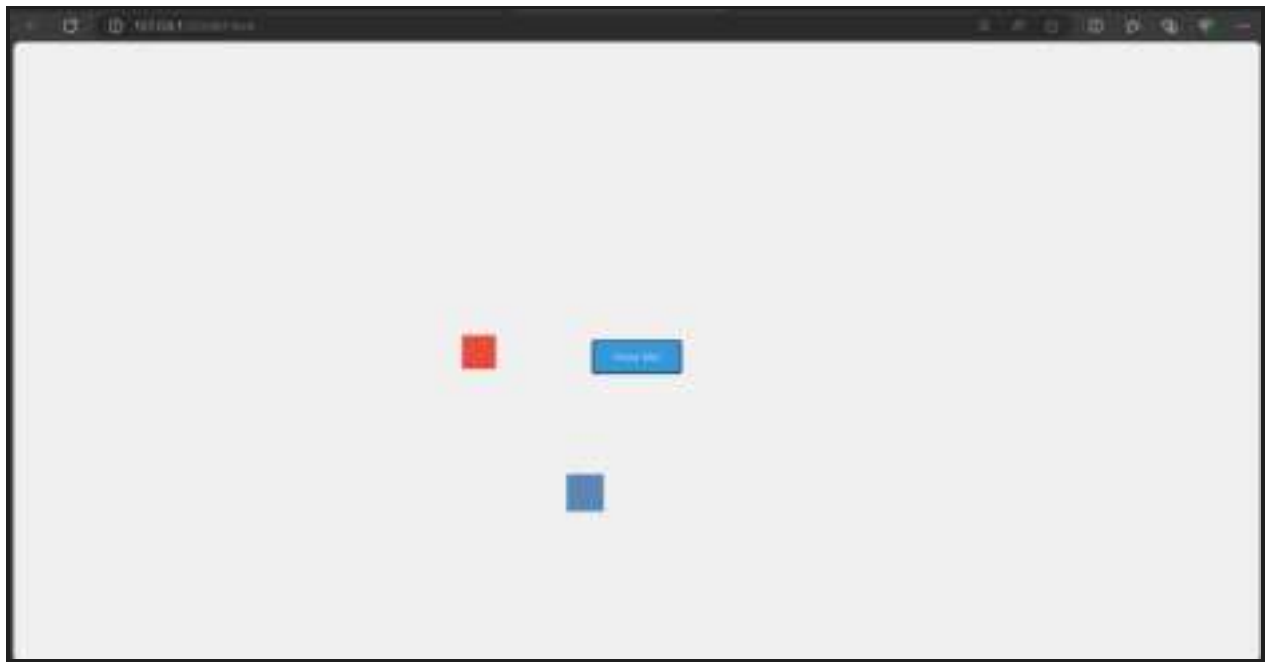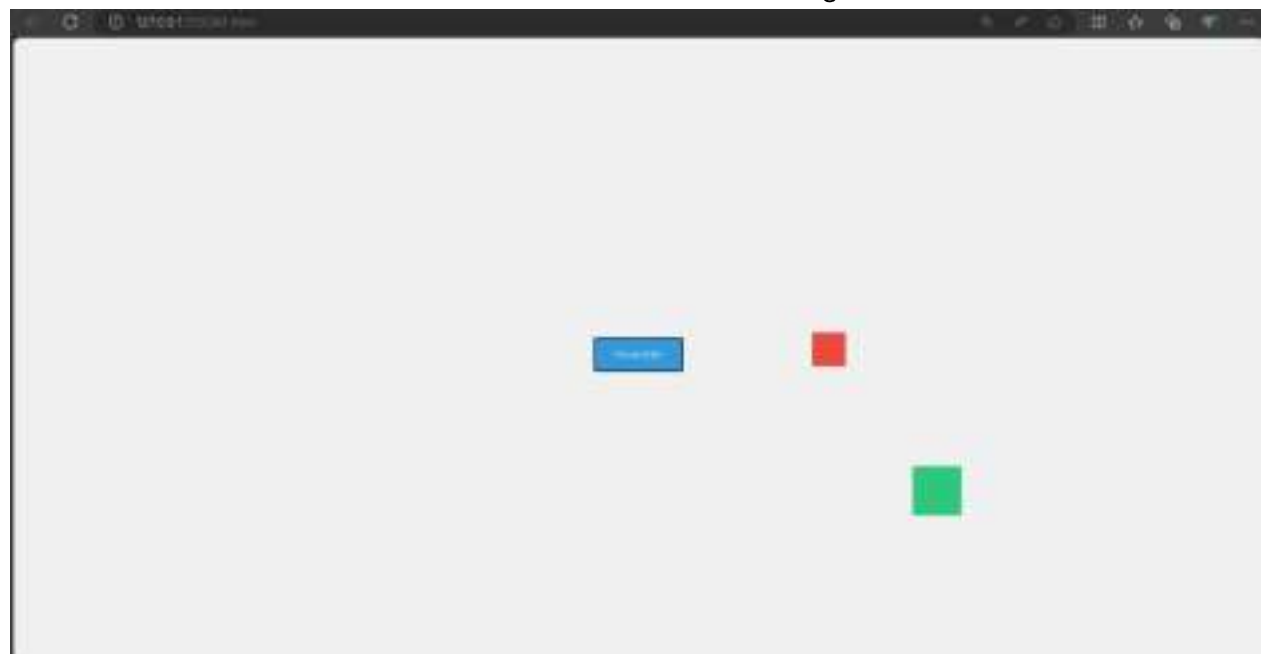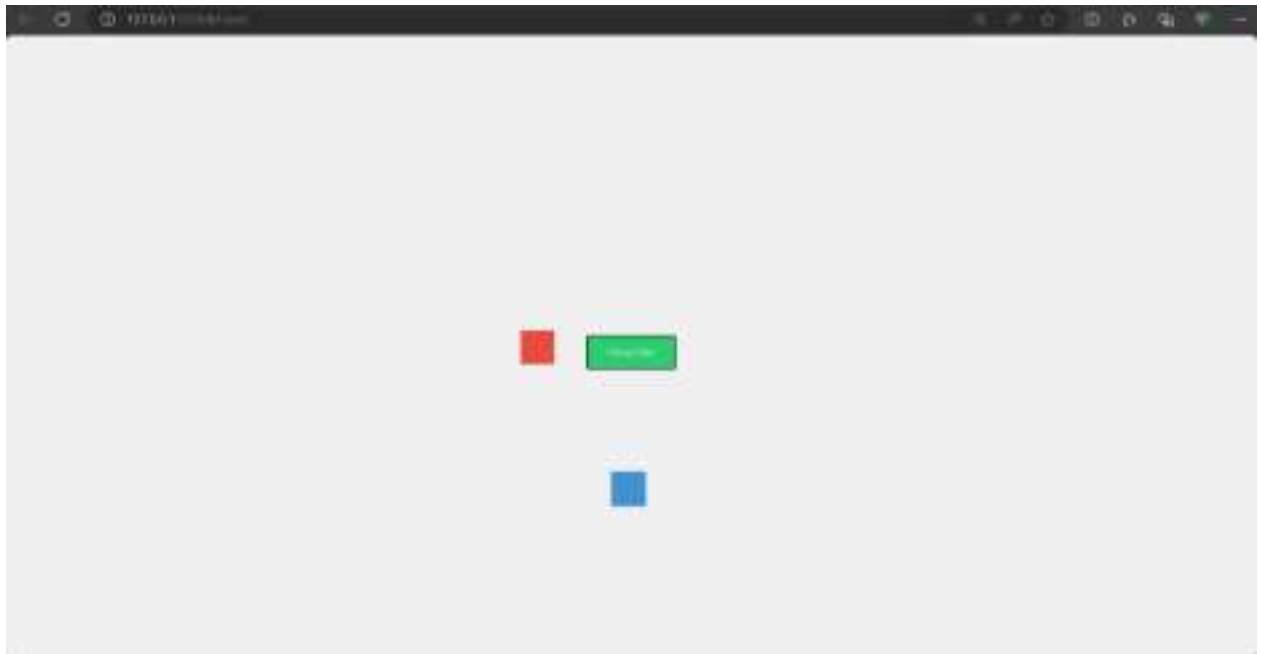
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Learning Outcomes

· How to utilize hover effect

· Leant to make the buttoms with different effects

· Got to know about keyframe works

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