**Coding Assignment 8**

**Eye Movement Exercise**

**Follow Mouse Movement**

In JavaScript, events are actions that happen on a web page. They can be anything from a mouse moving to a user typing in some text. Events happen to most elements on the DOM. These events are a good way to bind a code to user actions. For example, consider a web page that has a form with a "Submit" button. You can bind the mouse button click to that button and submit the form data upon that click.

Mouse events are a popular way to bind the DOM elements to events. Some of these events are as follows:

* click: Triggered when the mouse is clicked
* mousemove: Triggered when the mouse moves over an element
* mouseleave: Triggered when mouse the leaves an element

In the starter code for this activity, the mouse movement event is used to update the position of the "eye" element displayed on the page. You can walk through the code to see how this all works.

**You task is to add a second "eye" element and have that element follow the mouse position on the screen using the mouse events.**

Tasks

Add a second "eye" element, and have that element follow the mouse position on the screen using mouse events

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Make sure you are implementing your for () loop with the correct format & styling

<html>

<head>

    <link rel="stylesheet" type="text/css" href="./styles.css">

</head>

<body>

    <div class="eyes">

        <div class="eye">

            <div class="ball"></div>

        </div>

    </div>

</body>

<script src="./eyes.js"></script>

</html>

const balls = document.getElementsByClassName('ball');

document.onmousemove = (event) => {

  const x = (event.clientX \* 100) / window.innerWidth + '%';

  const y = (event.clientY \* 100) / window.innerHeight + '%';

  balls[0].style.left = x;

  balls[0].style.top = y;

  balls[0].transform = 'translate(-' + x + ',-' + y + ')';

};

body {

  margin: 0;

  padding: 0;

  background: #14495e;

}

.eyes {

  position: absolute;

  top: 50%;

  transform: translateY(-50%);

  width: 100%;

  text-align: center;

}

.eye {

  width: 240px;

  height: 120px;

  background: #fff;

  display: inline-block;

  margin: 40px;

  border-radius: 50%;

  position: relative;

  overflow: hidden;

}

.ball {

  width: 80px;

  height: 80px;

  background: #000;

  position: absolute;

  top: 50%;

  left: 50%;

  transform: translate(-50%, -50%);

  border-radius: 50%;

}