



MIT School of Engineering
Department of Computer Science and Engineering

Subject: Web Technology Lab

A.Y. 2022-23

Class: TY CSE-ISA 2

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ASSIGNMENT 5c

CODE:-

HTML:

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0"
  />
    <title>button function</title>
  </head>

  <body>
    <input
      type="button"
      value="Event"
      onmouseover="ChangeColor()"
      id="btn1"
    />
    <script src="utility.js"></script>
    <script src="script.js"></script>
  </body>
</html>
```

Js:

Script.js

```
var btn1 = document.getElementById("btn1");
EventUtil.addHandler(btn1, "click", fun1);
EventUtil.addHandler(btn1, "mouseover", fun1);
EventUtil.addHandler(btn1, "mouseout", fun1);

function fun1(event) {
    if (event.type == "click") {
        alert("This is click event");
    } else if (event.type == "mouseover") {
        btn1.style.backgroundColor = "red";
    } else if (event.type == "mouseout") {
        btn1.style.backgroundColor = "blue";
    }
}
```

Utility.js

```
var EventUtil = {
    addHandler: function (element, type, handler) {
        if (element.addEventListener) {
            element.addEventListener(type, handler, false);
        } else if (element.attachEvent) {
            element.attachEvent("on" + type, handler);
        } else {
            element["on" + type] = handler;
        }
    },
    removeHandler: function (element, type, handler) {
        if (element.removeEventListener) {
            element.removeEventListener(type, handler, false);
        } else if (element.detachEvent) {
            element.detachEvent("on" + type, handler);
        } else {
            element["on" + type] = null;
        }
    },
    getEvent: function (event) {
        return event ? event : window.event;
    },
    getTarget: function (event) {
        return event.target || event.srcElement;
    },
    preventDefault: function (event) {
        if (event.preventDefault) {
```

```
        event.preventDefault();
    } else {
        event.returnValue = false;
    }
},
stopPropagation: function (event) {
    if (event.stopPropagation) {
        event.stopPropagation();
    } else {
        event.cancelBubble = true;
    }
},
},
};
```

OUTPUT:

Event

127.0.0.1:5500 says

This is click event

OK