



## **Lab Experiment # 8:**

### **JavaScript Event Listeners & Interactivity**

Name:	Registration Number
Zunair Waqar	CUI/Fa22-Bce-037/ATD

For the course

### **Web Technologies**

Supervised by:

**Engr. Muhammad Naveed**

Department of Electrical & Computer Engineering  
**COMSATS University Islamabad – Abbottabad Campus**

## Experiment 8: JavaScript Event Listeners & Interactivity

### Objective

- To explore how JavaScript event listeners enable user-driven interaction on a web-page.
- To understand and apply the `this` keyword to access and manipulate clicked elements.
- To design a custom, open-ended interactive interface using DOM selection and event handling.

Prompts :

- How to rotate an element with JavaScript on button click?
- Create HTML and JavaScript code that moves a selected element in response to a click event.

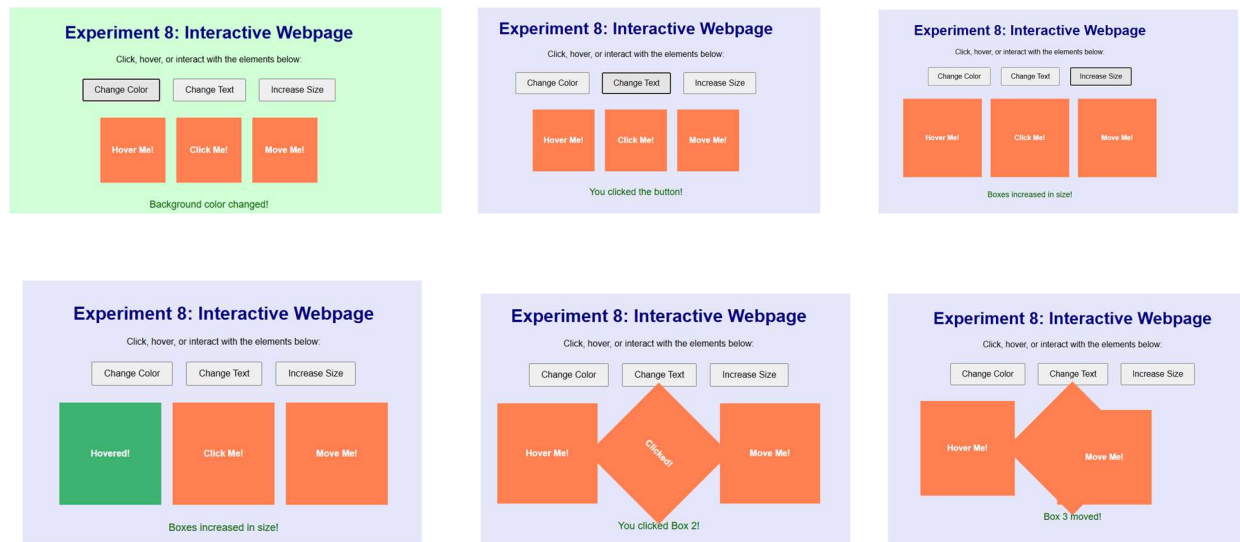
### Discussion

In this experiment, students will independently design a webpage that reacts dynamically to user actions through JavaScript event listeners. The experiment is intentionally open-ended:

- Students may choose any layout or theme.
- Students decide the number, placement, and design of interactive elements.
- Each interaction must demonstrate the use of event listeners and DOM manipulation.

At least one interaction must explicitly use the `this` keyword inside the event handler to access the element that triggered the event. This encourages students to understand event context and element-specific behavior.

This experiment focuses on fundamental interactivity and prepares students for more advanced logic in the next experiment.



## Lab Assessment

Student Name: .....

Registration #.....

Criteria	Allocated Marks	Poor 40%-50%	Good 51%-70%	Very Good 71%-80%	Excellent 81%-100%	Marks Obtained (P)
<b>Psychomotor</b> (Evaluated during the Lab)	<b>70</b>					

Criteria	Allocated Marks	Poor 40%-50%	Good 51%-70%	Very Good 71%-80%	Excellent 81%-100%	Marks Obtained (P)
<b>Affective</b> (Evaluated during the lab)	<b>20</b>					

Criteria	Allocated Marks	Poor 40%-50%	Good 51%-70%	Very Good 71%-80%	Excellent 81%-100%	Marks Obtained (P)
<b>Cognitive</b> (Evaluated on report submission)	<b>10</b>					

**Obtained Marks =  $(0.5 \times P) + (0.2 \times A) + (0.3 \times C)$  = \_\_\_\_ : Total Marks: \_\_\_\_**

Course Instructor: \_\_\_\_\_ Date: \_\_\_\_\_