30_days_of_Javascript

Day 10: Event Handling

Tasks/Activities:

Activity 1: Basic Event Handling

- **Task 1:** Add a click event listener to a button that changes the text content of a paragraph.
- **Task 2:** Add a double-click event listener to an image that toggles its visibility.

Activity 2: Mouse Events

- **Task 3:** Add a mouseover event listener to an element that changes its background color.
- **Task 4:** Add a mouseout event listener to an element that resets its background color.

Activity 3: Keyboard Events

- **Task 5:** Add a keydown event listener to an input field that logs the key pressed to the console.
- **Task 6:** Add a keyup event listener to an input field that displays the current value in a paragraph.

Activity 4: Form Events

- **Task 7:** Add a submit event listener to a form that prevents the default submission and logs the form data to the console.
- **Task 8 :** Add a change event listener to a select dropdown that displays the selected value in a paragraph.

Activity 5: Event Delegation

- **Task 9 :** Add a click event listener to a list that logs the text content of the clicked list item using event delegation.
- **Task 10:** Add an event listener to a parent element that listens for events from dynamically added child elements.

Feature Request:

1. **Click Event Script:** Write a script that adds a click event listener to a button to change the text content of a paragraph.
2. **Mouse Events Script**: Create a script that handles mouseover and mouseout events to change the background color of an element.
3. **Keyboard Events Script:** Write a script that logs key presses and displays input field values using keydown and keyup event listeners.
4. **Form Events Script:** Create a script that handles form submission and change events on a select dropdown.
5. **Event Delegation Script:** Write a script that demonstrates event delegation by handling events on dynamically added child elements.

Achievement:

By the end of these activities, students will:

- Add and handle basic events like click, double-click, mouseover, mouseout, keydown, and keyup.
- Understand and handle form events.
- Implement event delegation to manage events on dynamically added elements.
- Make web pages interactive by responding to various user actions.