

## JavaScript Events Focus Areas:

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### Basic Interactions

#### 1. Click to Change Background

When a button is clicked, change the background color of the entire page to a random color.

#### 2. Toggle Light Mode / Dark Mode

Add a button that toggles between light and dark themes using class changes.

#### 3. Hide Element on Click

When a specific element is clicked, hide it from view using `style.display = 'none'`.

#### 4. Counter with Buttons

Create "Increase" and "Decrease" buttons that modify a number displayed on the screen.

#### 5. Disable Button After Click

Create a button that disables itself after being clicked once.

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### Keyboard & Input Events

#### 6. Live Character Count

Display how many characters have been typed into a textarea in real time.

#### 7. Password Strength Checker

Show strength feedback ("Weak", "Strong") as the user types a password.

#### 8. Enter to Submit

When the user presses `Enter` inside an input field, submit the form (or show an alert).

#### 9. Auto Uppercase Input

As the user types in a text field, convert the characters to uppercase live.

#### 10. Detect Forbidden Words

Prevent form submission if input contains banned words (like "spam", "test").

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## Form & Change Events

### 11. Dropdown Dynamic Update

When a country is selected in one dropdown, dynamically populate a second dropdown with its cities.

### 12. Form Validation on Submit

Validate all fields (e.g., name, email) when the form is submitted. Show inline error messages.

### 13. Show/Hide Password

Toggle password visibility with a checkbox or icon (eye icon behavior).

### 14. Color Picker Live Preview

Use an `<input type="color">` to change the background color of a preview box live.

### 15. Checkbox Agreement

Disable the "Submit" button unless a "Terms and Conditions" checkbox is checked.

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## Advanced or Combined Events

### 16. Image Hover Preview

Show a larger preview of an image when hovering over a thumbnail using `mouseover` and `mouseout`.

### 17. Scroll to Reveal Button

Display a "Back to Top" button only when the user scrolls down 300px or more.

### 18. Form Auto Save

Save form inputs to `localStorage` as the user types and restore them on reload.

### 19. Click Outside to Close Modal

Create a modal that closes when clicking anywhere outside of it.

### 20. Key Logger Tracker

Track and display keys pressed on the keyboard in a `<div>` (excluding special keys).