

## 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).