Events - Delegation

1. Create a page to which different styles can be applied depending on the user's preferences (light mode, dark mode and minimalist), a **select** will be used, when the selected value changes, the chosen selection will be applied without the need for a button.

   To select the element where the stylesheet is specified (`<link rel="stylesheet" href="styles.css">`) use an appropriate css selector that does not depend on the position.

Event delegation

2. Make a function that, by means of events and the use of the event object, detects which element the **mouse** is **over** and shows, in some element of the page:

   - the current position of the mouse on the screen.

   - the element on which it is located and the position within it.

     The background colour of the element on which the mouse is located will be changed and it will be changed again when it exits (uses the toggle method of classList).

3. Creates a table with a single event handler (the same to all rows and cells).

   Clicking on one of the cells will display the row and column number and change its colour to green, if the Ctrl key is held down simultaneously it will change to red and if Shift is pressed it will change to blue.

   All other cells in the same row and column than the target cell will change to some other colour. The colour of these will be restored when another cell is pressed.

   An object will be created, to be displayed somewhere on the page, with the following properties:

   - tag, id and textContent of the target element, a property for each of them will be created.

   - row textContent, a list with the textContent of the cells of the same row

   - colum textContent, a list with the textContent of the cells of the same column

4. Based on the previous exercise, delegation of events in a table:

   - The table will show people's data: name, surname, age and an icon to indicate emancipation or not.

   - Add a form to the page with a control for each of the person data.

   - Clicking on a cell in the table will load the values of the row into the corresponding fields of the form.

   - Data in the form can be modified and will be updated in the table

Name	Surname	Age	Alive	
Jon	Doe	12	✓	🗑
Jane	Done	3	✓	🗑
Foo	Bar	33	✓	🗑

Name [Jane] Surname [Done] Age [3] ⇕ Alive ☑ [Ok]

- For each row create a **data- attribute** which records the number of times it has been edited, before editing, it will check how many times it has been previously edited, if more than three, before allowing editing it will ask for confirmation. .