**Part 1:**

1. create HTML, CSS, JS files

HTML

1. Section in the HTML (background grey)

JS

1. left part

* Create the CLEAR button and the pallet in the javascript
* Create div elements
* those div and the button need to have class(es) or id - classList property

1. right part

* Create the cells of the grid
* Loops : 1000 cells

CSS

1. For the left part : grid

1. For the CLEAR button (to expand the width of the button): span (a value of grid)

2. For the right part : grid

**Part 2:**

JS

1. Click on a color and retrieve this color:

Goal : Each color on left part, need to have addEventListener "click"

* + Retrieve the div (of the palet) - byclassName, querySelectorAll - and store them in a variable
  + need to loop through all those div (FOR LOOP)
  + retrieve each div and I add an event listener of "click", and add the callback function

element.addEventListener(event, callback function)

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1. Create a global variable to hold the color:

* let holdColor;Callback function :
* retrieve the backgroundColor of the div I clicked - HOW
* we can use the event object with target -- holdColor = event.target.style.backgrounColor

**Part 3:** Click on a cell of the grid, and add the color to the cell

* 1. To add an event listener to the cell - when you create the cells using a for loop, add to each new cell an addEventListener

element.addEventListener(event, callback function)

* The event should be "click"
* callback function - change the backgroundColor of the cell depending on the value of the variable holdColor

**Part 4**: Click on "Clear" button, and clear the cells

1. Add an event listener to the button

element.addEventListener(event, callback function)

* event: "click"
* callback function : Loop through all the cells - change the backgroundColor of the cells to white

**Part 5**: Click on the cells with the mouse pressed , paint the cells

1. Every cell, need to add event listener "mousedown"

2. While we continue pressing, we can paint several cells

1. Every cell, need to add event listener "mouseup"
2. Every cell, need to add event listener "mouseover"