

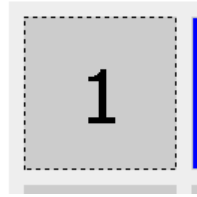
Red, Green, Blue boxes

Note: Please use JQuery only. Avoid Angular JS / Backbone.js or such frameworks. We expect a clean, readable code that works using minimal markup as possible.

1. Write HTML / CSS / JavaScript code to create a page as shown in below screenshot (Box background color “#ccc” and Grid background color “#eee”). All the elements should be center aligned in the page.

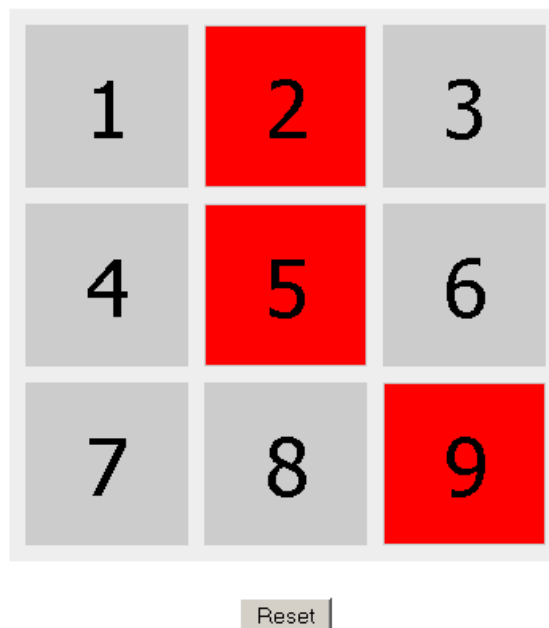


2. On mouse over, apply a dotted border to the boxes, as shown in this screenshot.



- When you click on any one of the box, the box color should be changed to the selected color in the radio buttons. For example, if I select 'Red' radio button and click on boxes, 2, 5 and 9, the box colors should be 'Red', as shown below.

☒ RED ☐ BLUE ☐ GREEN



- If I try to apply a color to a box that has already a color applied on it, then an error message should be displayed, saying 'Already applied {colorName} color'. For example, if I select 'Green' radio button and click on the 'Red' colored box, I should get an alert message 'Already applied Red color'.
- If I click on boxes without selecting any colors first, an alert message should be displayed: "Please select a color before clicking on boxes."
- When I click the Reset button, all colors from the boxes should be removed and they go back to the initial state with background color #ccc;

Bonus question:

Add a 'Randomize' button next to 'Reset' button. When clicked, Using your solution above, randomize the positions of the numbers that are displayed on the matrix. The numbers with a previous color selection should remember their color when shuffled. If the reset button is clicked, the matrix should restore its original order and remove all color selections.