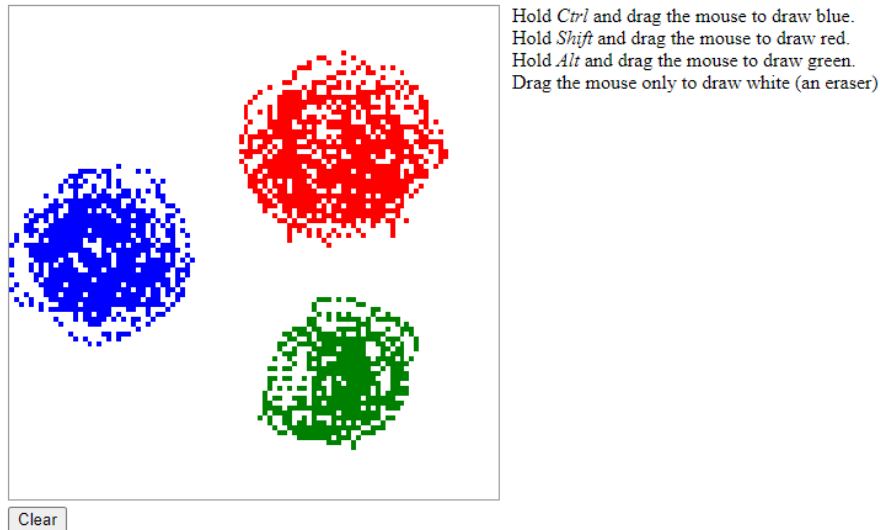


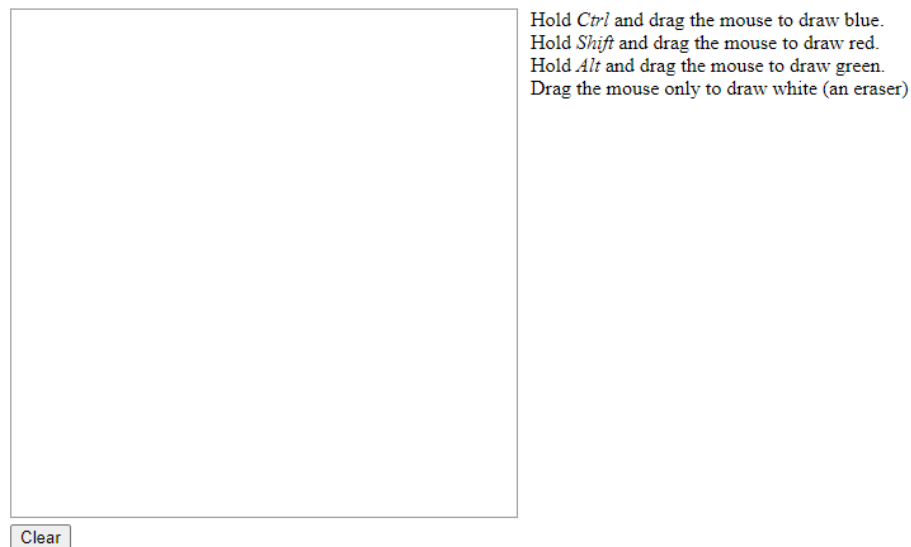
Exercise 9

1. Please revise Fig. 13.3 (you can use “ex-9-1-original.html” directly) to allow users to draw by dragging (按著不放進行拖曳) the mouse: (Moving the mouse only cannot draw)
 - Hold *Ctrl* and drag the mouse to draw blue.
 - Hold *Shift* and drag the mouse to draw red.
 - Hold *Alt* and drag the mouse to draw green.
 - Drag the mouse only to draw white (to be an eraser).

Besides, please add a “Clear” button that can clear the canvas.



After pressing the “Clear button”:

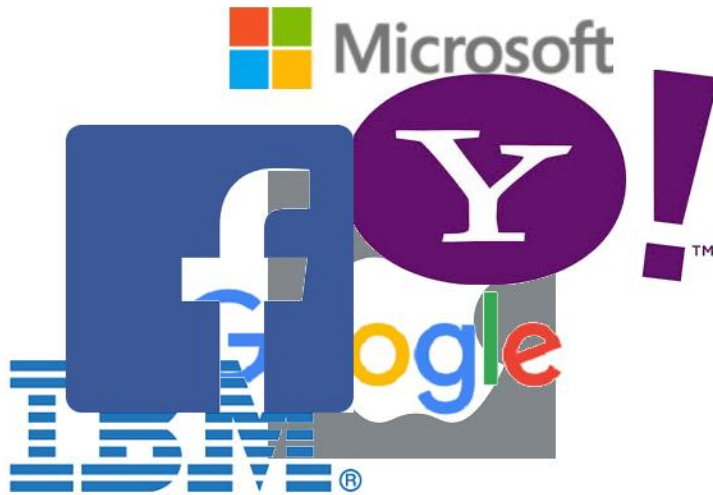


Hints:

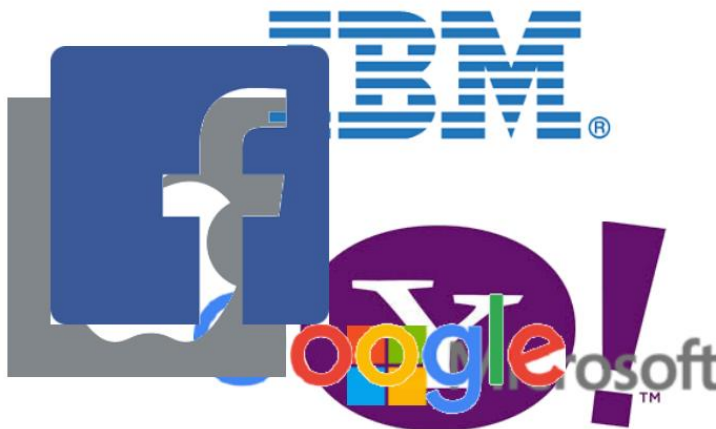
- You may use the events “mousedown” and “mouseup” and properties “altKey”:
- https://www.w3schools.com/jsref/obj_mouseevent.asp
- For the "clear canvas" function, you may remove all elements inside the *body* and create the canvas again.

2. Please develop a logo show page based on “ex-9-2-partial.html”:
- Show icons of six famous IT companies ("microsoft", "google", "yahoo", "facebook", "ibm", and "apple") in random orders and random coordinates (both X and Y should be larger than 100px and smaller than 400px).
 - Shuffle these icons in random orders and random coordinates every 2 seconds (每 2 秒刷新畫面一次).

Initial view:



After two seconds:



Hints:

- The image file names can be stored in an array.
- Please set the “absolute” position (top and left) for all pictures.
- Please update the page periodically by using “setInterval()”.