Homework 4:

In this assignment, you will use JavaScript (and JQuery, if you so choose) to modify HTML and CSS, and to do a simple animation.

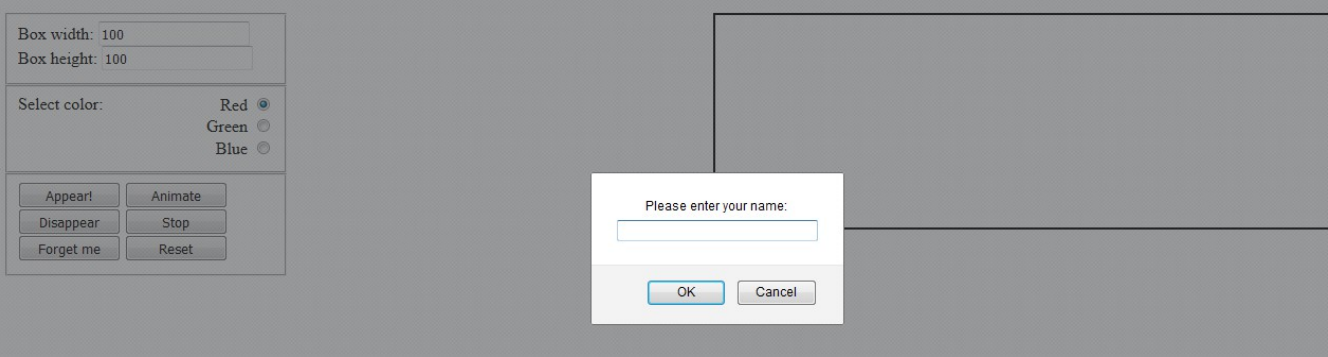You will design a live webpage that should exhibit the following behaviour:

- If the user has not entered their name, they will be prompted for their name with a prompt box
- Their name will be displayed in a header saying "Hello, [NAME]"
- The user name will be remembered even with a page refresh (so they should not be prompted again after a refresh)
- There should be a form with two text fields for a box height and width (assume in px)
- There should be radio buttons to select a box color (red, green, and blue) that are aligned vertically by button position
- There should be six buttons, each of the same width aligned perfectly
- There should be a container with a black margin to hold a box
- The "Appear" button should make a box appear inside its container with the given height and width and color, and initially this box should be to the leftmost edge of its container and be stationary.
- The "Animate" button should move the box right and left in a periodic motion, staying within the container
- The "Disappear" button should remove the box
- The "Stop" button should make the box stop moving until the "Animate" makes it move again
- The "Forget" button should clear the cookie so the next time the page is refreshed the user will be prompted for their name again
- The form should have reset button to set all the values back to their original state
- If the user clicks to "animate" when no box is there, an alert box should notify them there is nothing to animate
- You are required to store the box data in an Object
- The object must be created with a constructor.

Example screenshots are on the next page. On CCLE, you should submit your *HTML source file*, along with a *text document stating the URL of your live webpage*. You must of course have the website functional for the Reader to grade.

You will be graded as follows:
- The number of objectives achieved on the live website (from the 16 bullet points) will be divided by two and the integer floor function will be applied (8 points)
- The code stye, layout, and commenting will be 4 points (0, 2, or 2 points are possible)

This assignment is due Friday, May 13, by 11 pm.

Box width: 100
Box height: 100

Select color:
Red ◉
Green ○
Blue ○

Appear!   Animate
Disappear   Stop
Forget me   Reset

Please enter your name:

[_____]

OK   Cancel

Hello, mike

Box width: 200
Box height: 100

Select color:
Red ◉
Green ○
Blue ○

Appear!   Animate
Disappear   Stop
Forget me   Reset

Hello, mike

Box width: 200
Box height: 100

Select color:
Red ○
Green ○
Blue ◉

Appear!   Animate
Disappear   Stop
Forget me   Reset