Workshop: JavaScript Problems

1) Make a digital clock

It should show local time and tick every second, minute, and hour. Bonus: make it show milliseconds! Style it to look awesome.

2) Playing with time and color

Grab local time and if it is an odd minute make the background color change to black and if it is even minute make the background change to another color

3) Playing with animation Make a Social Media landing page and add at least one animated element

4) Make an animation sequence that is triggered when the user submits a form

- Make an HTML form that takes Username and Password

-If the username and password are correct take them to an account page

- Set a default username and password in your script - you need to validate if the username and password match

- If the username and password are incorrect show them an error message

- Use animation to make the error a friendly one

- Style this form to make it pretty and friendly to the user

5) Make an animated navigation bar

Animate navigation buttons to look cute-sy when you hover and when user clicks!

6) Using User Data

- Detect the OS that the user is using

- Detect the Browser that the user is using

- Detect the size of the window

- Detect when the user is resizing their browser window

Do something for each Detection result!

7) Make your own Light Box

- Make a page and Add 3 thumbnail images

- When the user click on the thumb a "javascript window" should appear on top of a transparent background (hint: css z-index)

- Lock the scrollbar so that the user can't scroll unless the user exits

- Make an exit button for the "pop up" window

- Make the image or video show up in this "pop up" window

- Disable the mouse Right-Click to add some level of protection for the images

Optional: The pop up should maintain a ration of 16:9 and should maintain this ratio even when you resize the window. The pop up and its content should resize according to the size of the window.

8) Use what you learned or more to add to any of the sites you've so far or create an entirely new site and rig it with Javascript and/or jQuery to push it to the next level - get creative!