

Javascript Homework

Required Tool: Text Editor and Google Chrome Web Inspector

We learned about variables and types in Javascript, and how we can use them to store values. Let's put that to use today! That being said, a lot of students find the jQuery/JavaScript portion of WDD harder to grasp, so don't be hesitant to go to office hours if you need help!

Assignment

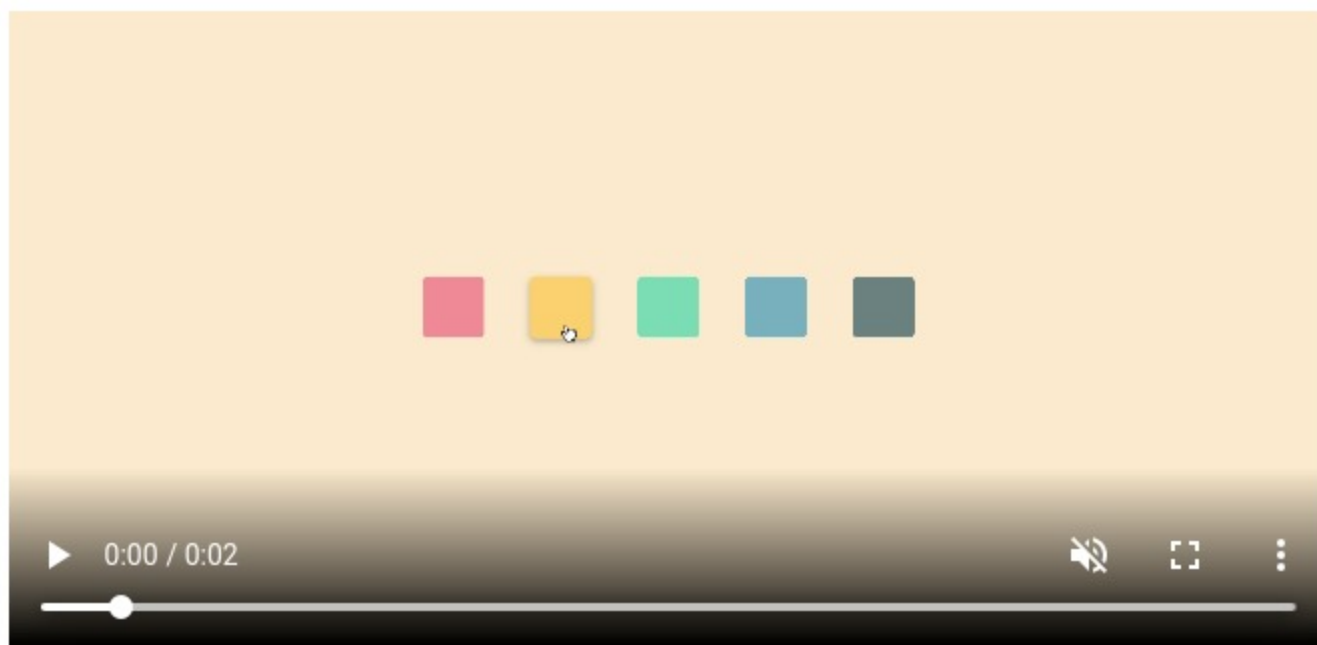
You can download the assignment file here:

Download File

You do not need to make any changes to HTML/CSS document for these questions. All of your changes should only be in the JavaScript files.

Question 1: Color Buttons

Add code so that the background matches the color of the last clicked button. It should work like the video below.



Recall we discussed the use of `element.onclick = someHandlerFunction` to let the browser run `someHandlerFunction` for us when the user clicks on the element. Note that the function, for an element, runs only once after the user finishes clicking.

Also remember you can make use of `element.style.someCSSPropertyName = someCSSPropertyValue` to dynamically set an element's inline styles. For those CSS property names that include hyphens, for example `background-color`, you can specify them in camelCase in JavaScript with `element.style.backgroundColor = "green"`.

Please find `assets/scripts/q1.js` for more hints.

Question 2: Finsta Revisited: Lightboxes!

For this question, we will be adding a pop-up image functionality. The page is already filled with 3 pictures, but feel free to change them to your own pictures. The final page should be like so:



This functionality involves showing the pop-up lightbox when you click on a picture, and hiding the pop-up when clicking outside the pop-up

In code, this boils down to adding or removing a CSS class when we click on certain elements.

We'll use the `element.classList.add('class-name')` and `element.classList.remove('class-name')` functions to do this.

Similar to the previous question, we make use of the code that looks like `element.onclick = functionToRun`.

Please find `assets/scripts/q2.js` for more hints.

Submission

Submit the following files as a **zip** file through Assignments under Resources tab of the WDD Portal:

- index.html
- q1.html
- q2.html
- assets/styles/style.css
- assets/scripts/q1.js
- assets/scripts/q2.js

Your assignment must be submitted as a **zip** file. Submission will automatically fail if your submission does not contain the index.html or if is not a zip file.