

The background is a solid light orange color. At the top center is a computer monitor with an orange screen and a white bezel. To the left of the monitor is a white keyboard with a grid of white keys. To the right of the monitor is a notebook with an orange cover and a white spine. Below the notebook is a yellow pencil. To the left of the notebook is a white smartphone with an orange screen. In the center of the slide, there is a white circle to the left of the title text.

JS DOM Project

I can design, plan, and build a
JS DOM project on the topic of
my choice.



Starter

Today we are starting our unit project.
Do you prefer to work by yourself for
this project, with 1 partner, or 2? Why?
What are the pros and cons of working in
a group?

JS DOM Project

Requirements Checklist - Individual Projects

- ☐ Separate script file
- ☐ At least 2 ways of getting JS elements [DOM access methods] multiple times throughout the code
- ☐ As least 1 example of changing innerHTML or textContent
- ☐ At least 2 examples of changing CSS
- ☐ At least 1 example of creating a new element
- ☐ Multiple examples using events
- ☐ At least 1 example using JS DOM animation *optional*

JS DOM Project

Requirements Checklist - Team Projects

2-3 group members

All of the individual requirements, plus:

- ☐ a separate .js file for each team member with at least 1 event and at least 1 function
- ☐ 1 more example of changing innerHTML or textContent
- ☐ 2 more examples of changing CSS
- ☐ At least 1 example using JS DOM animation *required*

To Do

1. Decide if you will work individually or or with a team.
2. Sketch what your app will look like using sketch.io
3. Plan
 - a. What will your user be able to do? What events will you use to respond?
 - b. How will each of these events modify the HTML or CSS?
4. Start building!

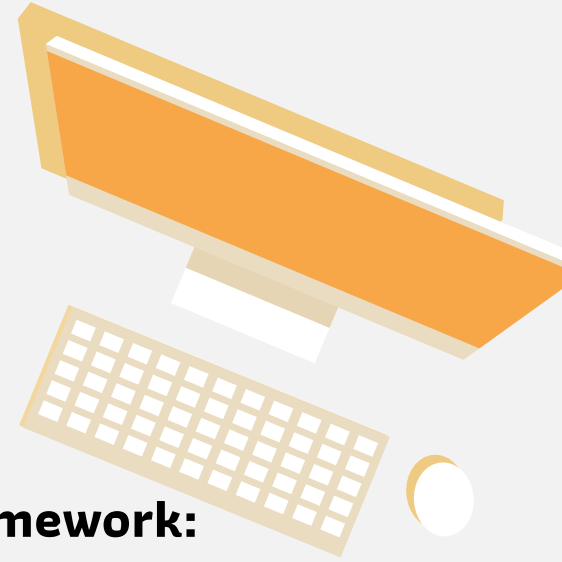
Homework:

Complete your planning, design, and at least 5 lines of code if you did not finish in class.

Resource:

[W3Schools DOM](https://www.w3schools.com/dom/)

Lesson 1 of 4



Exit Ticket

Answer in your project journal:

- ❖ What did you accomplish today?
- ❖ What challenges or bugs did you face today? Were you able to resolve them?
- ❖ What is your plan for tomorrow?

Standards

- ❖ 9-12.CT.4 Implement a program using a combination of student-defined and third-party functions to organize the computation.
- ❖ 9-12.CT.8 Develop a program that effectively uses control structures in order to create a computer program for practical intent, personal expression, or to address a societal issue
- ❖ 9-12.CT.9 Systematically test and refine programs using a range of test cases, based on anticipating common errors and user behavior.