



WHILE WAITING:

Download **Trivia** from the lab page of the CS50 website.

duck of the week -
“``” *duck*

CS50 Week 8 Lab

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The Next Few Weeks

This Sunday: Pset 8 Due

Next Sunday: Pset 9 Due, Final Project Proposal Due

Start week 9 early, and start thinking about potential project topics!

Sunday after that: Test Due

Practice materials to be released by the course soon! (can also look at 2021 course site)

Week after that: Thanksgiving Break

Design for Week 8

- Go a bit beyond what you're expected. For instance, explore Bootstrap or search the internet for cool features you can add to your website!
- Ensure your website looks good on both computers and phones, has clear navigation, and a clean look.
- Organize your code well (i.e. in multiple files, consistent code style)

Lab 8: Trivia

Part 0: Add a main.js Page

The course does not mention this in lecture, but this is good design (and how you'll do it in the future). It reduces code in index.html too.

Link to this page using this line at the bottom of <body>:

```
<script src="main.js"></script>
```

Part 1a: Multiple Choice

1. Add a heading using an h3 tag
2. Add button tags for each possible answer choices

Part 1b: Add a DOM Event Listener

Add an event listener for once everything has been loaded

```
document.addEventListener('DOMContentLoaded', function() {  
  
}
```

Part 1c: Check Multiple Choice

1. You'll want to select all the correct answer choices and see if they've been selected (an event). How might we *listen* for that event, and what might we add to each tag to allow us to select all correct answers?

Hint: you can use a for loop to go through all of the correct answers.

2. Once a correct answer has been selected, we want to modify its color (style) and then modify some text below our buttons. You can add an additional tag to your HTML below.

Part 1d: Check Multiple Choice

1. Do the same for incorrect answers, which we want to turn red and then modify our text to say 'Incorrect'.

Part 2a: Create a Free Response Question

1. Use an h3 tag to type your question
2. Use an input field to allow user to type response
3. Use a button to allow user to confirm their answer

Part 2b: Check Free Response Question

1. Now we're dealing with a unique question with a unique answer. Would a class or id be best to select this question? What syntax do we use to select that?
2. Add an event listener. Should you do this on the input text or button?
3. Using the value from input, check your answers and change styles and text as usual.

Time Permitting: Gabe's Website

tinyurl.com/gabecs50feedback