

WEB DEVELOPMENT WORKSHEET

DAY 1 (Monday)

Part I: Introduction

Welcome to the wonderful world of web development! This week, we'll learn how websites and web applications work, we'll peek behind the curtain to see the code that makes some of your favorite online experiences go, and you'll write a bit of code of your own!

This is Monday's worksheet. It is the first of 5 worksheets that you will complete this week. Each will be for a grade. Each will be due at **6:00 p.m.** on the day for which it is assigned. Work that is turned in late will receive 10% deduction. You can turn in your completed worksheet by emailing it to me as an attachment, or by sharing it as a Google Doc with me. In both cases, you'll need to use my email address, which is below.

You may contact me (Mr. Ogden-Davis) at:

logdendavis@brookwoodschoool.org

229-289-2766

Part II: How do I worksheet?

The most important thing to know about these worksheets is that you must read and complete the entire thing to get full credit for the day's work. If you haven't gotten to the end of the document, you're not done for the day!

Each day's worksheet will have useful information and instructions, as well as questions that you must answer. The questions you must answer will be marked in **RED**. Here's what to do with them:

1. Copy the question into the Google Doc journal that you've been using for Ms. Lord's class.
2. Write your answer to the question **IN YOUR OWN WORDS** underneath where you copied it.

Remember, every question is in **RED**, and every **RED** question **MUST** be copied into your journal and answered before 6:00 p.m.

Questions are scattered throughout the worksheet, so be careful and make sure you don't miss any!

Here's an easy question, to get you started:

Q: What color text indicates a worksheet question that you must copy into your response document and answer?

Part III: The languages of the web: HTML, CSS, and JavaScript

Every website is built using three languages: HTML, CSS, and JavaScript. These languages perform different functions, and work together to create anything and everything you use on the internet, from search engines to streaming services to games.

We'll start by getting a quick overview of what these languages are, and what they do.

First, watch this video: <https://www.youtube.com/watch?v=gT0Lh1eYk78>

Then, answer these questions:

Q: What do the letters HTML stand for?

Q: What does HTML do on a website?

Q: What does CSS stand for?

Q: What does CSS do on a website?

Q: What does JavaScript do on a website?

Part IV: HTML in depth

HTML organizes the text, links, images, videos, and other content that makes up a website so that your web browser can understand it.

First, read this article about HTML elements and their parts:

<https://www.tutorialrepublic.com/html-tutorial/html-elements.php>

Now, go to our **Course Website**: <https://dev.ogdendavis.com/mslord/> We will be using this Course Website every day this week. Go ahead and bookmark it, for easy access later.

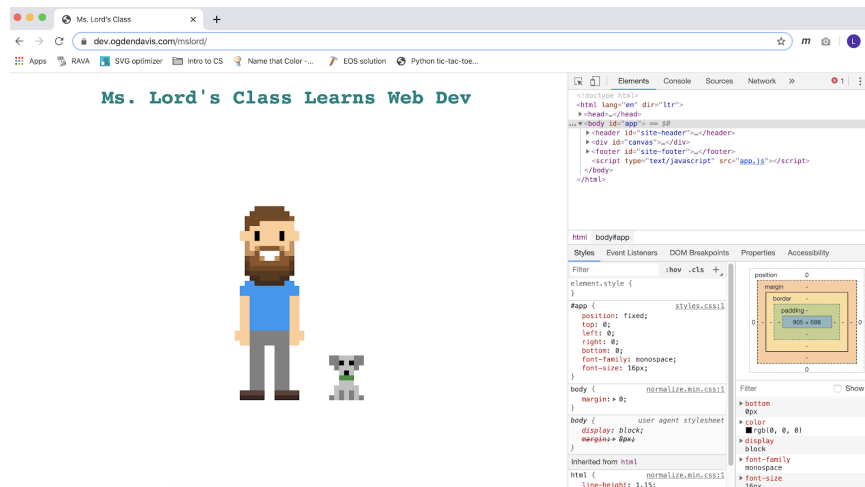
Q: Did you bookmark the Course Website?

On the course website, open the Inspector, also known as Chrome DevTools. You can do this by pressing *option + command + i*, or by right-clicking (*control + click*) anywhere on the page. If you

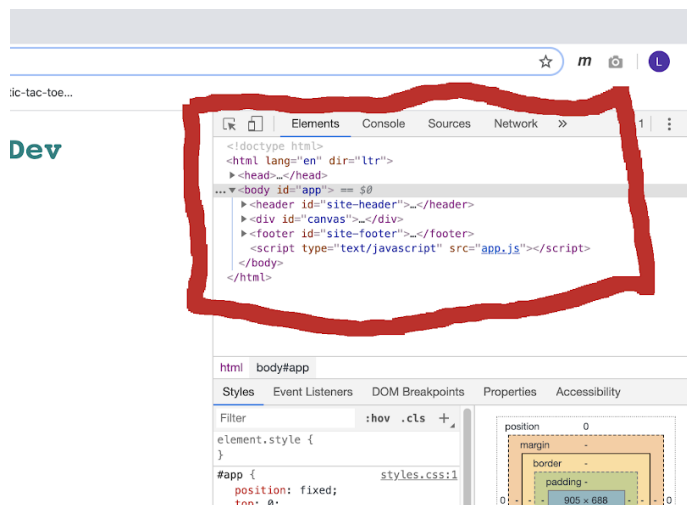
can't figure out how to open the Inspector, use the instructions here:

<https://developers.google.com/web/tools/chrome-devtools/open>

Once you open the Inspector, you should see something like this:



You can explore the HTML code used in this website in the "Elements" tab of the Inspector:



Use what you learned in the Tutorial Republic article you just read, and the HTML code you find in the Elements tab of the Inspector, to answer the following questions about the Course Website:

Q: What is the tag name of the element with the id attribute of "canvas"?

Q: What is the value of the class attribute on the body tag?

Q: What happens when you click on the bearded man? Which language (HTML, CSS, or JavaScript) do you think makes this happen? Why do you think that?

Part V: Done!

Great work! If you're stuck on something or need help, please don't hesitate to reach out to me using the contact information in Part I. Tomorrow, we'll dive deeper into the mysteries of CSS. I'll see you then!