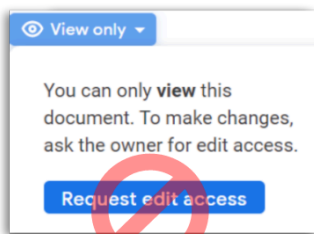


WEB DEVELOPMENT Q1 STUDY GUIDE

Once you make a copy of this template, bookmark it so you can have easy access as you take notes each week and make it your own. Your study guide notes will greatly help you study for all of the quizzes and midterm exam! You will be offered extra credit at the end of the quarter if you turn in your thoroughly filled out study guide. This [HTML Reference Sheet](#) is good to bookmark and refer back to as well.

Click links to take you to individual sections of the doc:

1. [Connecting to the Internet](#)
2. [Introduction to HTML, HTML5, and CSS](#)
3. [HTML Skeleton Tags and HTML Basic Tags](#)
4. [Well-Formed HTML5 Rules, Text Tags, and HTML Lists](#)

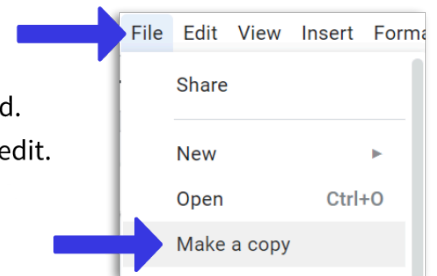


How to use this template:

This is a view-only file and cannot be edited.

Create your own copy of this template to edit.

In the menu, click **File > Make a copy**.



5. [HTML Images, Validating Your Code, and Web Hosting](#)
6. [CSS Basics](#)
7. [CSS: Selecting by Id \(#\) and Class \(.\)](#)
8. [HTML Links and Tables](#)
9. [Internet: URLs, DNS, and Protocols](#)
10. [Midterm Exam](#)

Week 2 - Connecting to the Internet

- [Connecting to the Internet](#)
 - What is the Internet?
 - What is an ISP (Internet Service Provider)?
 - What are the different types of Internet Connections?

- What type of Internet Connection do you think you use at home?
- What do I need to connect to the Internet?
- Define these internet terms:
 - WiFi:
 - Browser:
 - World Wide Web (WWW):
 - A Website:
 - A Web page:
 - URL:
 - Domain:
 - Hypertext Link:
 - Search Engine:
 - Downloading:
 - Uploading:
 - Cloud storage:
 - Plug-ins:

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Introduction to HTML, HTML5, and CSS

- [Welcome to the Web!](#)
 - What is the web?
 - List a few things about [each web language](#):
 - HTML:
 - HTML5:
 - CSS:

- [Creating Your First Website](#)
 - What is Repl.it?
- [Viewing a Web Page's Source](#)
 - How do you view a web page's source code?

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Week 3 - HTML Skeleton Tags and HTML Basic Tags

- [HTML Skeleton Tags](#)
 - Explain what each of the following skeleton tags are:
 - `<!DOCTYPE html>`
 - `<html></html>`
 - `<head></head>`
 - `<meta charset="utf-8">`
 - `<title></title>`
 - `<body></body>`
- [HTML Basic Tags](#)
 - What are these HTML basic tags?
 - h1
 - h2
 - p
 - br
 - Where should your tags go?

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Week 4 - Well-Formed HTML5 Rules, Text Tags, and HTML Lists

- [Well-Formed HTML5 Rules](#)
 - What are my 6 rules to "well-formed" HTML5?
 - 1.
 - 2.
 - 3.
 - 4.
 - 5.
 - 6.
- [Text Tags](#)
 - How and why would you use these HTML text tags?
 - em
 - strong
- [HTML Lists](#)
 - How and why would you use these HTML text tags?
 - ul
 - li
 - ol

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Week 5 - HTML Images, Validating Your Code, and Web Hosting

- [HTML Images](#)
 - Show a sample tag to insert images using the image tag (img src, alt, width).
 - How do you use [advanced google image search](#)?
 - How do you insert an image into Repl.it?
 - How do you resize a picture in your HTML file?
 - In order to not squash or stretch the image, it's best to do what with the width and height in the HTML file?
- [Validating Your Code](#)
 - Why do we need to validate our code using <http://validator.w3.org/>?

- Discuss how to validate your code using any of the [3 methods](#)?
- What do the following things mean when you validate your code?
 - Document checking complete. No errors or warnings to show.
 - Error
 - Warning
- [Web Hosting](#)
 - What is a web host?
 - What is a web server? Why do we need it to host websites?
 - What do most hosting companies require you to own?
 - What is FTP and why do we need it to host websites?
 - We are using Repl.it's free web hosting in this class. How do you get your webpage's unique URL in Repl.it?

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Week 6 - CSS Basics

- [CSS Basics](#)
 - What is CSS used for?
 - What does CSS stand for?
 - How do you write a CSS rule using { and }?
 - What is the element-selector?
 - Write a CSS rule that selects all of the <p> tags in your webpage and changes the color of the paragraphs to green.
 - Understand [how to label a CSS rule](#) with its different parts? Specifically the selector, property, and Value?
 - How many declarations can you have in a CSS rule?

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Week 7 - CSS: Selecting by Id (#) and Class (.)

- CSS: Selecting by [Id \(#\)](#) and [Class \(.\)](#)
 - Explain how to give an HTML tag in your page a unique ID then write a CSS rule to change the style of that tag using a hashtag.
 - Explain how to give an HTML tag in your page a CLASS then write a CSS rule to change the style of that tag using a period.

(Remember that ID's are used for just 1 tag and CLASSES are used for a group of tags)

- In CSS, how would you select all the <h1> tags on a page?
- In CSS, how would you select only the images with class name "cute"?
- In CSS, how would you select a paragraph by its id name called "byline"?

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Week 8 - HTML Links and Tables

- [HTML Links](#) - Describe the following:
 - href
 - absolute url
 - target attribute
 - how to link images
- [HTML Internal Links](#) - Describe how to use the id attribute for each heading.
- [HTML Tables](#) - Describe how to create a table using <table>, <thead>, <tr>, <th>, and <td>

Week 9 - Internet: URLs, DNS, and Protocols

- Internet: URLs, DNS, and Protocols
 - Explain [the different parts of a URL](#)
 - Protocol
 - Subdomain

- Domain
- Top Level Domain (TDL)
- File Path
- Resource Name
- DNS
 - What is an IP address?
 - What is DNS and what does it stand for?
- Registering Your Own Domain Name
 - Discuss the basics of how to register a domain name.
- [Internet Protocols](#)
 - What is a protocol?
 - What is TCP/IP?
 - What is FTP?
 - What is HTTP?
 - What is HTTPS?

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Week 10 - Midterm Exam (Option 1) or Recipe Book Project (Option 2)

- If you study the things on this study guide for the midterm exam, you will do fine on the test. The test will be covering all sections of what we have studied this quarter.
- Going over all of the previous quizzes will also help you in terms of studying! Make sure you review what you got wrong so you won't miss the same questions twice!

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