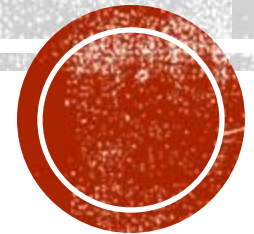
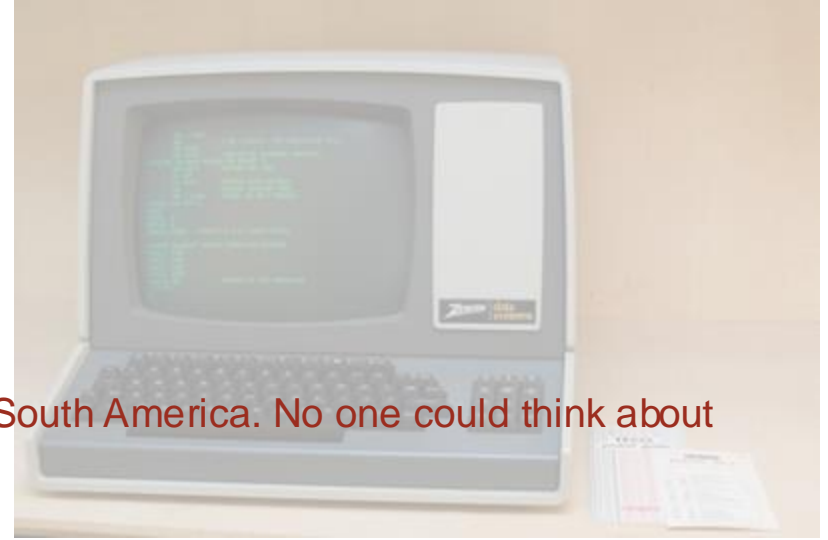


WEB 110

GETTING STARTED



LIFE BEFORE THE INTERNET



- **Amazon was just a river**
 - If the word Amazon was mentioned in a sentence, it was only in reference to the river in South America. No one could think about the possibility of online stores.
- **Recorded music off the radio / mix tapes**
 - If there was a song that you loved, you would have to record it off the radio. Looking for a compilation of songs? You'd have to make that yourself too.
- **You had to look up information in encyclopedias**
 - Before the days of Google and Wikipedia, if you wanted information on a particular topic, you would have to look it up in an encyclopedia, listing everything in alphabetical order.
- **Web design was done by spiders**
 - Many jobs did not exist before the internet. Those that were web designers were most likely a spider.
- **Posts were made on real walls**
 - If you had an event or information you wanted to share with other people, then you needed to physically print it on a piece of paper and post it on a real wall for others to see.
- **Long-distance communication meant letters, not email**
 - You would get excited when the mailman would come by, hoping that someone sent you a letter.



HOW INFORMATION GETS ONLINE



Firewall

Need a
VPN to
get
through



WEB BROWSERS

- Browsers are applications that display the information (web pages).
- Lots to choose from
- Most popular here
- Each browser shows information differently. (different fonts, sizes, margins)
- Biggest headache? Consistency



Ci|ti|zen Science

Citizen Science bezeichnet eine Arbeitsmethode der Wissenschaft, bei der interessierte Amateurinnen und Amateure [lat. *amator* "Liebhaber"] aktiv in wissenschaftliche Projekte eingebunden werden, indem sie Beobachtungen melden, Messungen durchführen oder bei der Datenauswertung mithelfen.



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HOW TO FIND INFORMATION ON THE INTERNET DOMAIN NAMES

- Uniform Resource Locator—
Roadmap to web pages



W3C STANDARDS



World Wide Web Consortium



Creates protocols and standards for everyone to follow



Without standards the codes you write might not be recognizable to a browser



Get resource to make sure you write your code correctly and are using the latest standards



<https://www.w3schools.com/>



SECTION 508 OF THE AMERICANS DISABILITIES ACT

In 1998, Congress amended the Rehabilitation Act of 1973 to require Federal agencies to make their electronic and information technology (EIT) accessible to people with disabilities. The law ([29 U.S.C § 794 \(d\)](#)) applies to all Federal agencies when they develop, procure, maintain, or use electronic and information technology. Under Section 508, agencies must give disabled employees and members of the public access to information comparable to the access available to others.

The [U.S. Access Board](#) is responsible for developing Information and Communication Technology (ICT) accessibility standards to incorporate into regulations that govern Federal procurement practices. On January 18, 2017, the Access Board issued a final rule that updated accessibility requirements covered by Section 508, and refreshed guidelines for telecommunications equipment subject to Section 255 of the Communications Act. The final rule went into effect on January 18, 2018.

The rule updated and reorganized the Section 508 Standards and Section 255 Guidelines in response to market trends and innovations in technology. The refresh also harmonized these requirements with other guidelines and standards both in the U.S. and abroad, including standards issued by the European Commission, and with the World Wide Web Consortium (W3C) Web Content Accessibility Guidelines (WCAG 2.0), a globally recognized voluntary consensus standard for web content and ICT.

<https://www.section508.gov/>

<https://www.jccc.edu/academics/credit/>



CANVAS: GETTING STARTED FILES AND RESOURCES

WEB-110-001 - 11308.202301 > Modules

Credit Spring 2023

Home

Syllabus

Announcements

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LockDown Browser

JCCC Course Evaluations

Item Banks

Submit Grades to Banner

BigBlueButton

Files

Outcomes

▼ Syllabus and Introductions

📎 Syllabus

📎 steps to good web pages.jpg

💬 Please introduce yourself on the Discussion board

💬 Any questions about the syllabus or getting started?

📎 tired of coding-1.jpg

▼ GETTING STARTED

🔗 Notepad++

🔗 Visual Studio Code

🔗 Brackets

🔗 FileZilla



Account

Dashboard

Courses

Calendar

Inbox

History

Commons

JCCC Assistance

Today



January 2023

SUN	MON	TUE	WED	THU	
1	2	3	4	5	6
8	9	10	11	12	13
15	16	17 📅 First Day of Class 📅 First Day of class 📅 Introduce class and Ch.1	18	19	20
22	23	24	25	26	27

<https://www.jccc.edu/student-resources/technical-support/>



GETTING STARTED

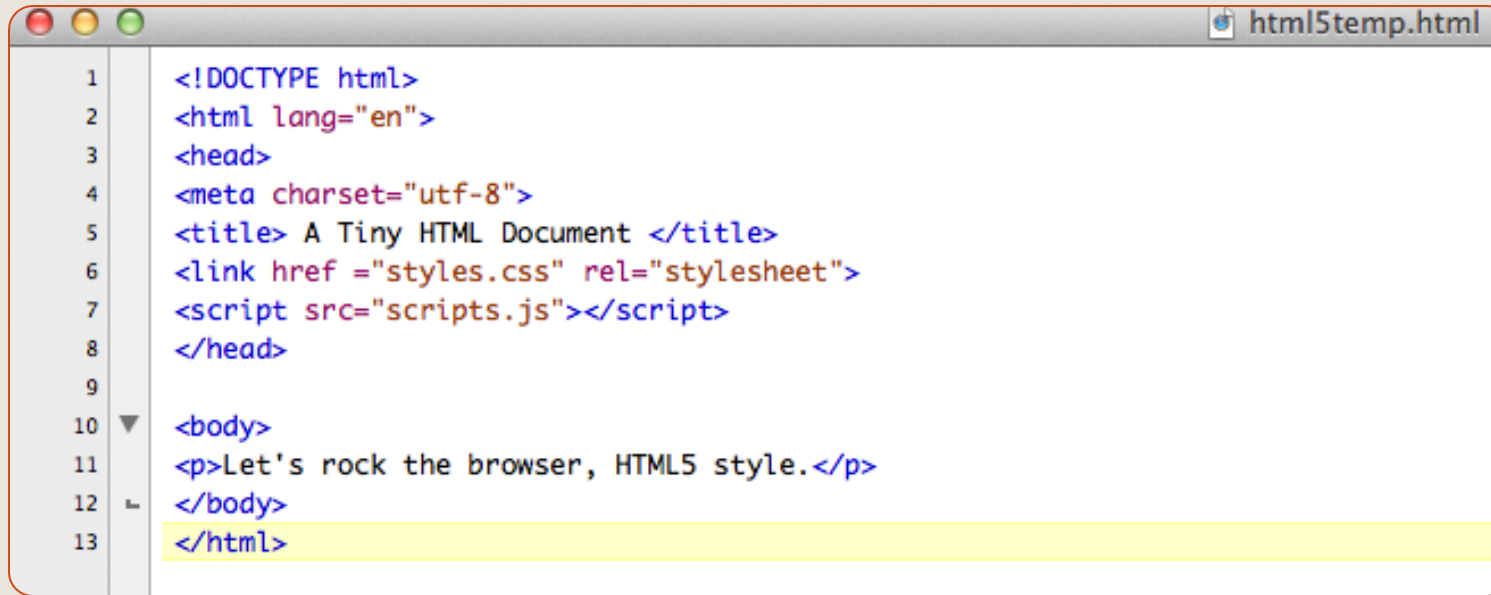
Download and install a code editor

- **VSCode**
<https://code.visualstudio.com/>
- **Sublime**
<https://www.sublimetext.com/3>
- **Brackets**
<https://brackets.io>



HTML, XHTML, HTML5 (HYPERTEXT MARKUP LANGUAGE)

- We will focus on HTML5 which is the current standard
- XHTML is what developers were last using, so you might find some sites that still use that doctype
- HTML is where it all started
- At beginning of your code you will always list a doctype, this is so the browser knows which type of HTML to expect



```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  <meta charset="utf-8">
5  <title> A Tiny HTML Document </title>
6  <link href="styles.css" rel="stylesheet">
7  <script src="scripts.js"></script>
8  </head>
9
10 <body>
11 <p>Let's rock the browser, HTML5 style.</p>
12 </body>
13 </html>
```



```
<!DOCTYPE html>
<!-- Your name and the date you made this file -->
<html lang="en">
<head>
<meta charset="utf-8">

<title>HTML template</title>
<meta name="description" content="HTML 5 Template">
<meta name="author" content=" JCCC">

</head>

<body>
<p> Use this page to build your web pages. <br> All you
must do is open this page and change the information
here in the body section.</p>
</body>
</html>
```

HTML TEMPLATE PAGE

LET'S UNPACK THE CONTENTS

