Guided Exploration 01: Computing, Accessibility and Creativity

**Points:** 30

**Due Date:**  Feb 9

Work will be accepted up to 24 hours after the due date with a 10% penalty. Meaning if you turn it in at 12:01 am of the next day you will be deducted 10% of the total points from your score. If the assignment is more than 24 hours late, it will be a 0.

P**urpose:**  This guided exploration focuses on fostering creativity through computing and developing foundational skills in computational problem-solving. You will brainstorm ideas, design a website, implement a prototype, and iterate based on feedback.

Objectives

* Analyze effects of computation, exploring its influence on science, society, ethics, economics, culture, and communities worldwide. Understand how computation fosters creativity and inclusivity.
* Design and build computational artifacts (web site) that showcase your creativity, technical expertise, and problem-solving abilities.
* Explain the parts of creating a website that is accessible
* Utilize version control and remote repository using git and github

Effort: Collaborative and Individual following [CS Academic Integrity and AI Policy - Harding](https://docs.google.com/document/d/1SY4-RMJ2B9GkEbTzmpRVSfKKsgQnYWYF/edit)

* You are encouraged to collaborate to discuss concepts but individually write your own code and answer the questions in your own words . When you ask questions and explain to others you get a deeper understanding. You can use AI tools but remember
  + Acceptable: Using ChatGPT to explain HTML
  + Unacceptable: Asking ChatGPT to generate your explanation

**Deliverables:** Upload this document as a pdf or word document with your answers

[Part 1: Learning, Computing Impact, Collaboration and Careers](#_heading=h.1fob9te)

[1.1 Learning How to Learn](#_heading=h.3znysh7)

[1.2 Learning Computer Science, Academic Integrity and AI Tools](#_heading=h.2et92p0)

[1.3 Working on Teams](#_heading=h.mfhw6bxmjrlh)

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[2 Explore and Analyze](#_heading=h.opi0eam2a5bf)

[2.1 HTML BASICS](#_heading=h.5y1ts4ihsns7)

[2.2 CSS BASICS](#_heading=h.5md5lfyvok5f)

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[2.4 Bootstrap and Responsive Web Design](#_heading=h.eykfii8qhemj)

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[3 Reflection](#_heading=h.sokkf1ov5gyk)

| **Criterion** | **Exemplary A+** | **Proficient A-B** | **Developing C-D** | **Insufficient F** |
| --- | --- | --- | --- | --- |
| **Explore and Explain Concepts**  **10pts** | Clearly explains key ideas with detailed examples, using accurate words from lectures, books, or provided resources. Demonstrates the ability to connect different ideas. | Explains most key ideas with examples and evidence, but some details or examples may be missing. | Explains some ideas but is not clear or complete. Provides limited examples. | Fails to explain key ideas, or explanations are incomplete and lack examples. |
| **Analyze and Apply**  **10pts** | Uses computing concepts to solve problems correctly, showing a strong connection between ideas and practice. | Uses computing concepts correctly, with small mistakes or missing minor details. Solutions show an understanding of ideas and practice. | Tries to use computing concepts, but there are major mistakes or missing steps. | Does not use computing concepts correctly, or the work is not complete. |
| **Reflection**  **5pts** | Response demonstrates in-depth personal reflection on the experience and learnings that includes plans for future action. | Response demonstrates a general reflection on the experience and learnings that includes plans for future action | Response shows little evidence of personal reflection and future action. | Limited evidence, incomplete or missing. |

# Part 1: Learning, Computing Impact, Collaboration and Careers

The reality of computer science is that there are so many languages, technologies and methodologies available and it is constantly evolving with new ones.

## 1.1 Learning How to Learn

Learning how to learn is an important component of this course as your career will be full of learning something new. One of my favorite websites is [Train Ugly - How To Get More Out Of Your Practice](https://thelearnerlab.com/train-ugly/).

I have selected the following podcast for you to listen [**Desirable Difficulties - The Learner Lab**](https://thelearnerlab.com/desirable-difficulties/)

| 1.1.1 Explain desirable difficulties and how you think it relates to the learning in this class and in your future career.  It will teach me HTML and corresponding languages, which will be used in many tech fields and can be used in the field of cybersecurity through the protection of websites. |
| --- |
| 1.1.2 Explain the difference between learning and performing  Learning is the process of acquiring new information or skills. Performing is how efficient one is at executing their learned skills and knowledge. |
| 1.1.3 Summarize three strategies you could incorporate in your learning to help you learn different languages, technologies and methodologies.  Tinkering with code to better understand it. Use Technical documentation. |

## 1.2 Learning Computer Science, Academic Integrity and AI Tools

Read

* [9 Practical Uses of ChatGPT in Programming](https://www.makeuseof.com/chatgpt-programming-practical-uses/)
* [Companies Banning AI Platforms Like ChatGPT in 2023](https://tech.co/news/tech-companies-banning-generative-ai)
* Include resources for example for ChatGPT

| 1.2.1 Explain how AI such as chatgpt can be used to help you learn.  **It can help provide simpler explanations of a given topic. Can provide some snippets of code or basic assistance.** |
| --- |
| 1.2.2 Explain how AI such as chatgpt can be used that would hinder your learning.  **It could result in becoming lazier or losing my problem-solving skills in turn for following the bad lazy route of programming.** |
| 1.1.4 What do you think is meant by not blindly copying and pasting code and explanation from websites such as stack overflow or AI tools such as chatgpt?  **It means to take the code in either snippets and rework the lines to incorporate it into your code,**  **To take the code and to modify it significantly into your code,**  **to copy small pieces of it to build the rest of the needed code off those used snippets,**  **To use a repository not for the code but instead for review.** |
| 1.2.3 Use an A.I. tool Ask <https://copilot.microsoft.com/> and <https://chatgpt.com/> and <https://gemini.google.com/>   1. Describe making a website using HTML and CSS 2. Provide me with free online resources to learn more? 3. Ask any other questions you are curious about or want to understand more.   Summarize making a website using HTML and CSS. Document your use of the AI tool as a resource as stated in [CS Academic Integrity and AI Policy - Harding.docx](https://docs.google.com/document/d/1SY4-RMJ2B9GkEbTzmpRVSfKKsgQnYWYF/edit#heading=h.gjdgxs) |

## 

## 1.3 Working on Teams

[Interpersonal Skills for Tech Careers & Examples](https://www.codecademy.com/resources/blog/interpersonal-skills-for-tech-careers-examples/)

| 1.3.1 Give one tip from each section to help you communicate and collaborate with your team this semester. Put answers below. |
| --- |
| Become a successful collaborator  Provide meaningful additions to discussion and/or work at hand |
| Communicate to pre-empt conflict  Plan ahead, discuss schedules and times with team mates to avoid time conflicts, ensure that everybody is aware of each clothes work, skills and limitations. |
| Remember that you’re all on the same team  Don’t place too much work on the shoulders of one or two teammates, share the work evenly, give equal value to all of the work contributed by each teammate. |
| Practice active listening  Not just listen to what somebody has to say, but also provide constructive criticism and collaborate with others to ensure the message of the leader is effectively conveyed and understood by the rest of the team. |

## 1.4 Impact of Computing

Read [Why is computer science important?](https://www.rasmussen.edu/degrees/technology/blog/ways-computer-science-benefits-society/)

| 1.4.1 Describe a computing artifact you use that has a positive impact on you.  Cellular connection, Has provided a way to contact and communicate with people across incredible distances. |
| --- |
| 1.4.2 Describe a computing artifact you use that has both a positive and negative impact on you.  AI advancements. While it can provide assistance, it has a tendency to fail and in our modern world has been causing more issues than it is solving. |

## 1.5 Career Paths Associated with Computer Science

Learn about different careers associated with computer science.

Pick at least 5 resources below to learn about different careers related to technology or add your own resources.

| Career Resources - Complete at least 5 | 1.5.1 Share what interested you about the job or why you may not be interested. |
| --- | --- |
| [Cloud Computing Careers](https://www.codecademy.com/resources/blog/cloud-computing-careers/) | Interested in Cyber, Managing the security of information kept within cloud computing. |
| [7 Machine Learning & Generative AI Jobs](https://www.codecademy.com/resources/blog/ai-machine-learning-jobs/) | Not interested, I am interested in Machine learning but not Generative AI. Machine learning works to construct a better automated machine while Generative AI has too much uncertainty. |
| [6 In-Demand Cybersecurity Careers](https://www.codecademy.com/resources/blog/cybersecurity-careers/) | It is my Major. By obligation I am interested in this. |
| [Brina Software Engineer at Instagram](https://www.youtube.com/watch?v=elaR3WhguVk) | I am not really interested in working on social media applications/platforms |
| [Niesha Davis Aerospace Engineer at NASA](https://www.youtube.com/watch?v=2uXTNK9W-gQ) | I am not that smart. I know that I shouldn’t doubt myself but I am nowhere near NASA levels of computer engineering. |
| [Tess Software Security Engineer at Google](https://www.youtube.com/watch?v=RfbbDgx6l1g) | Potentially interested, Working at Google, the biggest tech giant in the US, would provide innumerable opportunities for future work. |
| [Fredrico Microsoft Software engineer Working on Images for National Center of Missing Children](https://www.youtube.com/watch?v=EUF2mad21jo&t=34s) | Working at Microsoft interests me but the NCMC doesn’t. Mental issues would arise from having to work in such a depressing line of work. |
| [Jerome Morrison Design Technologist at Meow Wolf](https://www.youtube.com/watch?v=dhvQ7L5UScs) | Interested. Meow Wolf would be a unique option for graphic design jobs but would also provide a fair amount of opportunities later on from the popularity of the weird and unorthodox that is brought to the world by Meow Wolf. |
| [Christopher Lopez Security Analyst at Tanium](https://www.youtube.com/watch?v=IRMWwc9gfns) | Again, By obligation of my major, I am interested as it is a great opportunity. |
| [Danelle Cline Software Engineer at MBARI Studying of the Deep Ocean](https://www.youtube.com/watch?v=FBTWICxTG08) | Interested, the chance to explore the deep either directly or remotely is very intriguing. |
| [Polina Guskova Machine Learning Data Scientist at Electronic Arts](https://www.youtube.com/watch?v=tTSEFaYjV30) | Considering the state of EA with its employees, this is a hard no. |
| [Kinsley Software Engineer at Facebook](https://www.youtube.com/watch?v=suJZ9z426P0) | Again, I would not be interested in working at a social media platform. |
| [Brina Software Engineer at Instagram Android App](https://www.youtube.com/watch?v=t0-Z_LfGwUM) | Once more, I have no interest in working on a social media platform. |
| [4 Careers for People with Coding Backgrounds: Individual Contributor, Management, Training, Sales](https://linearb.io/dev-interrupted/blog/four-careers-for-people-with-coding-backgrounds?_bt=&_bk=&_bm=&_bn=x&_bg=&gad_source=2) | A basic blueprint for finding the skills needed for tech fields. |
| Put link to your resource |  |
| Put link to your resource |  |
| Put link to your resource |  |
| Put link to your resource |  |

Explore the following MSU Denver Technology Related Majors

* [Computer Science Major, B.S. - MSU Denver](https://www.msudenver.edu/computer-sciences/computer-science-major-bs/)
* [Data Science and Machine Learning - MSU Denver](https://www.msudenver.edu/computer-sciences/data-science-and-machine-learning/)
* [Computer Engineering Major, B.S. - MSU Denver](https://www.msudenver.edu/engineering-engineering-technology/computer-engineering-major-bs/)
* [Bachelor of Science in Cybersecurity - MSU Denver](https://www.msudenver.edu/criminal-justice-criminology/cybersecurity-bs/)
* [Computer Information Systems Major, B.S. - MSU Denver](https://www.msudenver.edu/computer-information-systems-business-analytics/computer-information-systems-major-bs/)
* [Electrical Engineering Technology Major, B.S. - MSU Denver](https://www.msudenver.edu/engineering-engineering-technology/electrical-engineering-technology-major-bs/)
* [Mechanical Engineering Technology Major, B.S. - MSU Denver](https://www.msudenver.edu/engineering-engineering-technology/mechanical-engineering-technology-major-bs/)
* [Technical Writing and Editing Major, B.S. - MSU Denver](https://www.msudenver.edu/journalism-media-production/technical-writing-and-editing-bs/)

| 1.5.2 Share one major you are interested in or pick [Other MSU majors](https://www.msudenver.edu/programs/?type=majors). Explain why you are interested in that major.  Mechanical Engineering:  While I am very interested in machinery and how to make such pieces of metal work, the math required for the degree and my awful understanding of mathematics draws me away from the major. |
| --- |

# 2 Explore and Analyze

In this section you will explore using HTML, CSS and Bootstrap to design an accessible web page of your resume. Write your own response. Do not use A.I. or copy and paste work as your answers.

EXPLAIN - Explain using supporting evidence - words, examples, diagrams.

## 2.1 HTML BASICS

1. Go through the tutorials [HTML Elements](https://www.w3schools.com/html/html_elements.asp), [HTML List Examples](https://www.w3schools.com/html/html_lists.asp), [HTML Links Hyperlinks](https://www.w3schools.com/html/html_links.asp), [HTML Images](https://www.w3schools.com/html/html_images.asp),[HTML Tables](https://www.w3schools.com/html/html_tables.asp), [HTML Comments](https://www.w3schools.com/html/html_comments.asp) exploring the 
2. Create a webpage, using the [HTML Online Editor](https://www.w3schools.com/html/tryit.asp?filename=tryhtml_basic_link), that is a draft of a technical resume for you. The webpage doesn’t save so copy and paste the HTML document below. Include the following in your webpage where you can just copy and paste the html structures and then fill in the content for the structures:

* Heading of your [Resume Header](https://resume.io/blog/resume-header)
* Paragraph containing [Resume Summary](https://resume.io/blog/resume-summary)
* Sub heading labeled “Soft Skills”
  + A list [list of special soft skills](https://resume.io/blog/list-skills-on-your-resume)
* Sub heading labeled “Education”
  + Include [Education on Your Resume](https://resume.io/blog/list-education-on-your-resume) 
    - Name of the institution
    - Degree as a link. If you do not have one established just pick one you might consider. Here is a page that has 2 of the computer science degrees. [Department of Computer Sciences - MSU Denver](https://www.msudenver.edu/computer-sciences/)
    - School location
* An image that is not copyrighted. For example you can search <https://pixabay.com/> or create your own.
* Include a comment in your code that explains what comments are.

| 2.1.1 Copy and paste your HTML below.  <!DOCTYPE html>  <html>  <body>  <!--Begin code-->  <h1>Resume</h1>  <h2>Miguel N. Corral</h2>  <!--Lists are here-->  <h3>Skills</h3>  <ol>  <li>Basic Robotics</li>  <p>Competed in both FIRST robotics 2024 and in the 2024 SkillsUSA Robotics event.</p>  <li>Basic Python and C++</li>  <p>Completed a full year of Python and C++ mixed programming class in the 12th grade</p>  <li>Good Communication</li>  <p>Have completed a College level Communications class</p>    <p>That's it for now.</p>  <!--Lists ends here-->  </body>  </html> |
| --- |

| 2.1.2 Explain the basics of html tags and attributes in your own words and include examples from your HTML above. This can be screenshots or copying and pasting code. You can also include comments in the html to explain.  HTML tags are the beginning and end points of elements and lines of code in the language.  Attributes are more specific pieces within elements that alter the output of the element. |
| --- |

[Glitch CS1030](https://glitch.com/edit/#!/cs1030-template?path=README.md%3A1%3A0)

## 2.2 CSS BASICS

1. Read and explore the following.

* [CSS Introduction](https://www.w3schools.com/css/css_intro.asp)
* [HTML div tag](https://www.w3schools.com/Tags/tag_div.asp) and [HTML class Attribute](https://www.w3schools.com/html/html_classes.asp) to incorporate CSS styling
* [CSS Background Color](https://www.w3schools.com/css/css_background.asp)
* [CSS Borders](https://www.w3schools.com/css/css_border.asp)
* [CSS Text Alignment and Text Direction](https://www.w3schools.com/css/css_text_align.asp)
* [CSS Icons](https://www.w3schools.com/css/css_icons.asp)
* [W3Schools Tryit Editor - CSS Buttons](https://www.w3schools.com/css/tryit.asp?filename=trycss_buttons_basic)
* [CSS Comments](https://www.w3schools.com/css/css_comments.asp)

1. Add styles to your html from part 1 above using class selectors. You can use the [W3Schools Tryit Editor](https://www.w3schools.com/css/tryit.asp?filename=trycss_syntax1). Include the following
   * Create a div tag and a class to style the web page with a background color.
   * Create a class to style the resume heading so the text is center aligned.
   * Create a div tag and class to add a border around each section for soft skills and education section
   * Add a button “Show Projects” at the bottom of the webpage
   * Explore other CSS styling and add at least 2 more items
   * Add comment describing class div tag and class attributes

| 2.2.1 Copy and paste html document with above styling below.  <!DOCTYPE html>  <html>  <head>  <style>  p {  color: red;  text-align: center;  }  .myDiv {  border: 100px outset brown;  background-color: red;  text-align: center;  }  </style>  </head>  <body>  <div class="myDiv">  <p> Ruby </p>  <p> Ruby </p>  <button id="runbtn" class="w3-button w3-bar-item w3-hover-orange w3-hover-text-gray" onclick="yay">Ruby :)</button>  <p> Ruby </p>  <p> Ruby </p>  </div>  </body>  </html> |
| --- |
| 2.2.2 Take a screenshot of how the html with css is displayed and paste it below. |
| 2.2.3 Explain the basics of CSS. Explain div tags and class selectors. Include examples from your code in your explanations. This can be screenshots or copying and pasting code. You can also include comments in the html to explain. |

## 2.3 Web Accessibility

| 2.3.1 autistic spectrum  A series of adaptations to help people on the Autism spectrum to more easily use a webpage.  Simpler color scheme, consistent layouts, Plain language, descriptive buttons, simple bullet points and short text, no giant paragraphs. |
| --- |
| 2.3.2 screen readers  Devices that read on-screen text for people with sight difficulties. With many models providing translations for people who can’t read a language.  Simple layout, design for keyboard only use, descriptive links and headings, image descriptions. |
| 2.3.3 low vision  Easily discernible web elements to allow people of low vision to read the web page better. AKA high contrast and contrasting colors for web elements. Easier and logical layouts. |
| 2.3.4 physical or motor disabilities  Simpler layouts with easy access that requires less or simpler motor functions to interact with.  Things like Southpaw, Aim assist and simplified controls are a good example within gaming. |
| 2.3.5 deaf or hard of hearing  Audio with well translated language or sign language so that people with hearing disabilities/difficulties can understand.  2.3.6 Dyslexia  Larger and easier to understand words that are well spread out so as to avoid them being blurred together.  Use a simpler layout to avoid the words blurring together.  Use more images to help convey the desired information. |
|  |

## 2.4 Bootstrap and Responsive Web Design

[Bootstrap 5 Get Started](https://www.w3schools.com/bootstrap5/bootstrap_get_started.php)

| 2.4.1 What is responsive Web Design?  When a web page can react to outside factors such as tab size changes, device screen changes and such. |
| --- |
| 2.4.2 Explore [Bootstrap 5 Containers](https://www.w3schools.com/bootstrap5/bootstrap_containers.php)  What are containers?  Containers separate text and other web elements from each other while containing other elements and text.  Paste code that shows different containers with different borders and colors.  <!DOCTYPE html>  <html>  <head>  <style>  p {  color: red;  text-align: center;  }  .myDiv {  border: 100px outset brown;  background-color: red;  text-align: center;  }  </style>  </head>  <body>  <div class="myDiv">  <p> Ruby </p>  <p> Ruby </p>  <button id="runbtn" class="w3-button w3-bar-item w3-hover-orange w3-hover-text-gray" onclick="yay">Ruby :)</button>  <p> Ruby </p>  <p> Ruby </p>  </div>  </body>  </html> |
| 2.4.3 Explore [Bootstrap 5 Cards](https://www.w3schools.com/bootstrap5/bootstrap_cards.php)  What can cards be used for?  Image display and layout management  Paste code that shows an example of a card.  <!DOCTYPE html>  <html lang="en">  <head>  <title>Bootstrap Example</title>  <meta charset="utf-8">  <meta name="viewport" content="width=device-width, initial-scale=1">  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>  </head>  <body>  <h2>Player cards</h2>  <div class="container mt-3">  <h2>The hero</h2>  <div class="card">  <div class="card-body">You :D</div>  </div>  </div>  <div class="container mt-3">  <h2>The Banana Lad</h2>  <div class="card">  <div class="card-body">Half-Lad, Half-Banana, Full-something</div>  </div>  </div>  <div class="container mt-3">  <h2>Random dog</h2>  <div class="card">  <div class="card-body">Just a cute little Chihuahua</div>  </div>  </div>  </body>  </html> |
| 2.4.4 Explore [Bootstrap 5 Navigation Bars](https://www.w3schools.com/bootstrap5/bootstrap_navbar.php)  Paste code that shows an example of a nav bar.  <!DOCTYPE html>  <html lang="en">  <head>  <title>Bootstrap Example</title>  <meta charset="utf-8">  <meta name="viewport" content="width=device-width, initial-scale=1">  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>  </head>  <body>  <nav class="navbar navbar-expand-sm bg-light">  <div class="container-fluid">  <ul class="navbar-nav">  <li class="nav-item">  <button type="button" class="btn btn-secondary">Home Page</button>  </li>  <li class="nav-item">  <button type="button" class="btn btn-secondary">Free Games</button>  </li>  <li class="nav-item">  <button type="button" class="btn btn-secondary">Free Textbooks</button>  </li>  </ul>  </div>  </nav>  <div class="container-fluid mt-3">  <h3>Welcome</h3>  <p>Enjoy some free things</p>  <p>From a testing site for piracy :D</p>  </div>  </body>  </html> |
| 2.4.4 Explore another bootstrap Tutorial  Buttons  Explain what you explored.  Buttons are easily distinguishable web elements that are used to allow input from the user.  Paste code that shows an example.  <!DOCTYPE html>  <html lang="en">  <head>  <title>Bootstrap Example</title>  <meta charset="utf-8">  <meta name="viewport" content="width=device-width, initial-scale=1">  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>  </head>  <body>  <nav class="navbar navbar-expand-sm bg-light">  <div class="container-fluid">  <ul class="navbar-nav">  <li class="nav-item">  <button type="button" class="btn btn-secondary">Return to Home Page</button>  </li>  <li class="nav-item">  <button type="button" class="btn btn-secondary">Test Audio</button>  </li>  <li class="nav-item">  <button type="button" class="btn btn-secondary">Start Quiz</button>  </li>  </ul>  </div>  </nav>  </body>  </html> |

## 2.5 Git and Github

| 2.5.1 What is version control?  Version Control is a system allows you to view different versions of your code/work while allowing users to continue work on a system, it also allows a user to save and manage the different versions of their work |
| --- |
| 2.5.1 What is Git?  Git is a free open access Version control system allowing for control between repositories. |
| 2.5.1 What is github?  A publicly accessible cloud repository designed for programmers everywhere to interact, work on code and save work.  Put a screenshot of a your repository in github |

# 3 Reflection

| 3.1 Identify one specific challenge you faced in this exploration. How did you address it using the strategies discussed (e.g., desirable difficulties, learning vs. performing)?  Time management. Taking advantage of my large gaps in between classes. |
| --- |
| 3.2 Explain how you ensured the AI usage was used to help your learning and did not hinder your learning for this exploration.  Ai can be used to make simpler explanations for more complicated code or technical documentations.  By simply not using AI, it will not hinder my ability to learn. |
| 3.3 What was the most challenging part of this exploration, and why?  No part was really all that challenging. This exploration was a great introduction/reintroduction to HTML coding. |
| 3.4 How did you manage your time to complete each section after lectures? What adjustments might help you stay on track in future assignments?  Taking time out of my day, particularly in the large breaks between my classes, I was able to complete this assignment.  In terms of suggestions, this assignment was well structured and did help me remember some of my programming experience, because of this I am sure that it helped those who don’t have any coding knowledge understand some basics of HTML. |

Read what the deliverables are for this assignment and submit them all to canvas. You can submit at different times but pay attention to the due date and the late date.