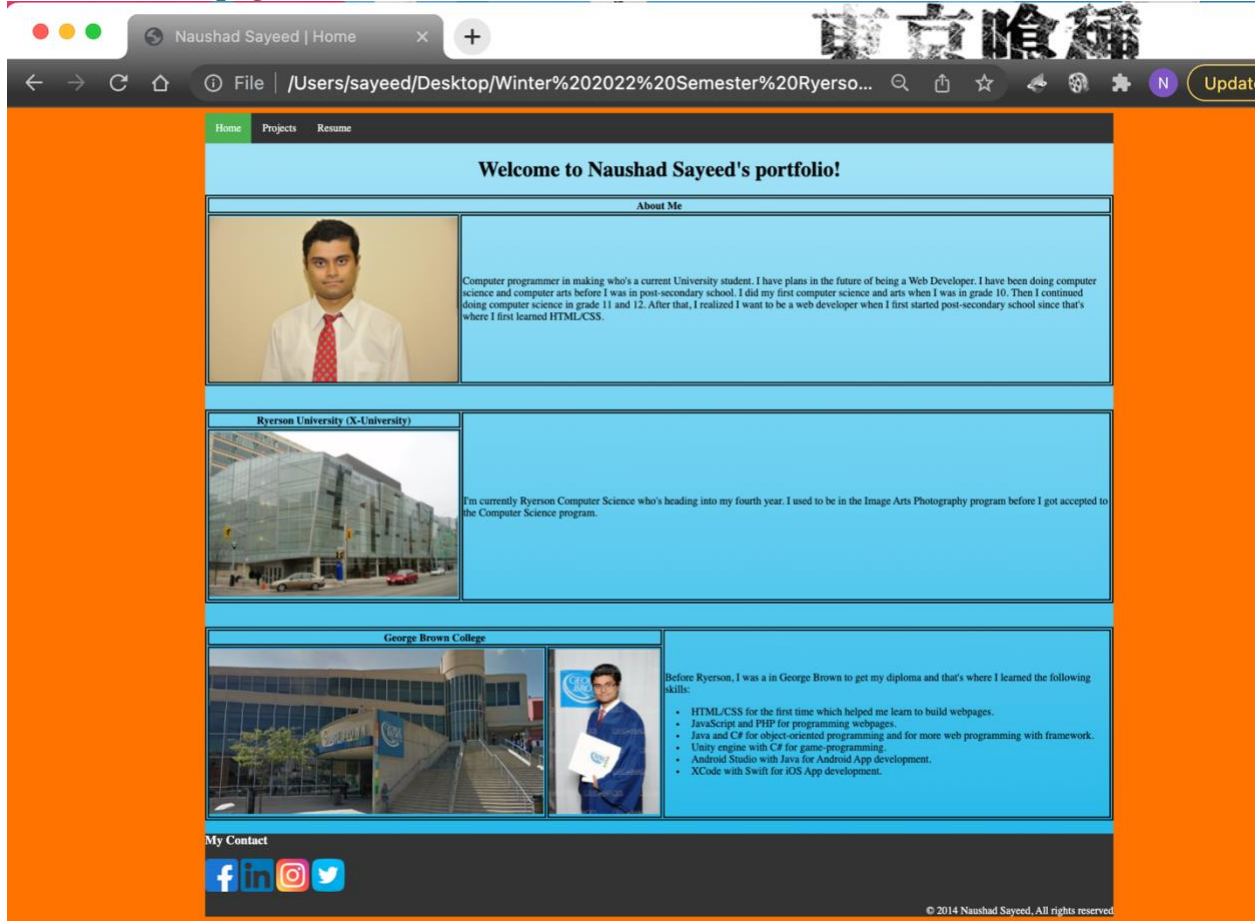# CCPS530 Lab 2 – Technical Report

Naushad Sayeed

February 15, 2022

10. You must include screenshots of your website in your report

index.html webpage (MAIN PAGE)

index.html validation

projects.html

projects.html validation

resume.html webpage

resume.html validation

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for uploaded file resume.html

Checker Input

Show ☐ source ☐ outline ☐ image report [Options…]

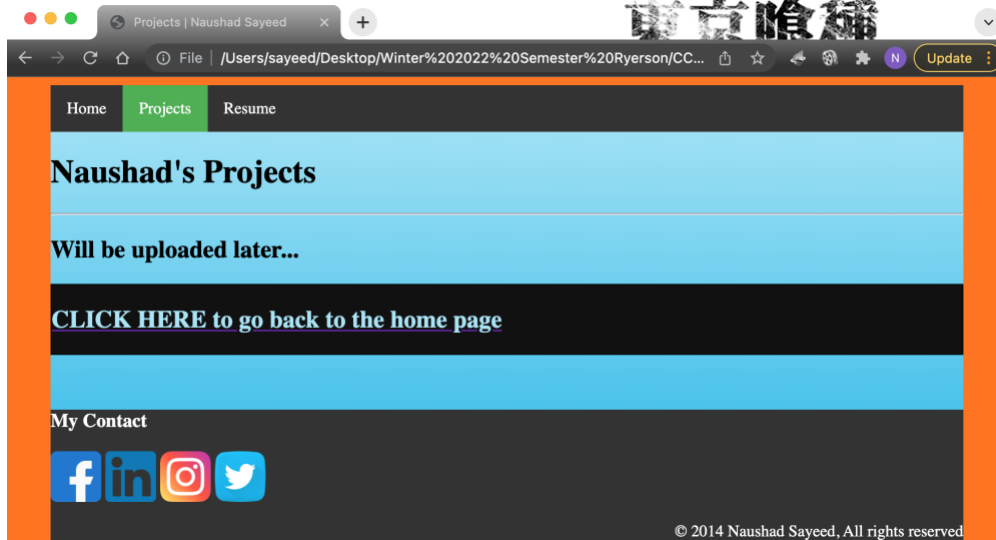Check by [file upload ▾] [Choose File] No file chosen

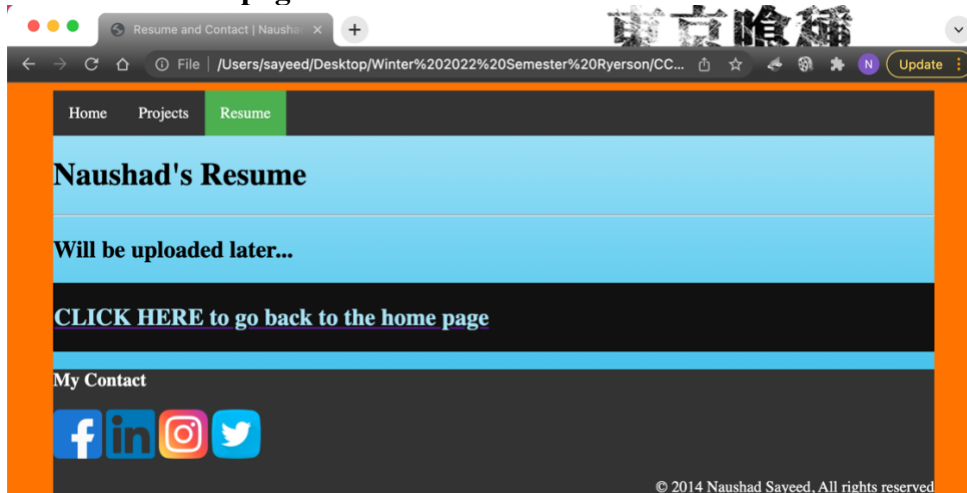Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

[Check]

Document checking completed. No errors or warnings to show.

Used the HTML parser.

Total execution time 8 milliseconds.

style.css validation

The W3C CSS Validation Service
W3C CSS Validator results for style.css (CSS level 3 + SVG)

Jump to: **Warnings (10)**   **Validated CSS**

W3C CSS Validator results for style.css (CSS level 3 + SVG)

Congratulations! No Error Found.

This document validates as CSS level 3 + SVG !

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:

```
<p>
    <a href="http://jigsaw.w3.org/css-validator/check/referer">
        <img style="border:0;width:88px;height:31px"
            src="http://jigsaw.w3.org/css-validator/images/vcss"
            alt="Valid CSS!" />
    </a>
</p>
```

```
<p>
<a href="http://jigsaw.w3.org/css-validator/check/referer">
    <img style="border:0;width:88px;height:31px"
        src="http://jigsaw.w3.org/css-validator/images/vcss-blue"
        alt="Valid CSS!" />
    </a>
</p>
```

(close the img tag with > instead of /> if using HTML <= 4.01)

The W3C validators rely on community support for hosting and development.

Donate and help us build better tools for a better web.

The actual HTML and CSS code (the code presented on a page).

Code for index.html

```html
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <title>Naushad Sayeed | Home</title>
    <meta charset='utf-8'>
    <link rel="stylesheet" type="text/css" href="style.css"> <!--Links this HTML page with the CSS file-->
    <style>
      .ProfilePicture {
      display: block;
      margin-left: auto;
      margin-right: auto;
      }
    </style>
  </head>
  <body>
    <div id='pagesize'>
      <div id='header'> <!--Header of this web-page starts here.-->
        <ul id='NavigationBar'>
         <li class='NavBarLinks'><a class="active" href="./index.html">Home</a></li>
         <li class='NavBarLinks'><a href="./projects.html">Projects</a></li>
         <li class='NavBarLinks'><a href="./resume.html">Resume</a></li>
        </ul>
      </div>
      <h1 style='text-align:center'>Welcome to Naushad Sayeed's portfolio!</h1>
      <table>
        <tr>
          <th colspan="2" style="text-align: center;">About Me</th>
        </tr>
        <tr>
          <td><img class="ProfilePicture" src="./images/LinkedIn_Photo.JPG" alt="Profile Picture"
style="height:250px"></td>
            <td><p>Computer programmer in making who's a current University student. I have plans in the future of
being a Web Developer. I have been doing computer science and computer arts before I was in post-secondary
school. I did my first computer science and arts when I was in grade 10. Then I continued doing computer science in
```

```html
grade 11 and 12. After that, I realized I want to be a web developer when I first started post-secondary school since
that's where I first learned HTML/CSS.</p></td>
        </tr>
      </table>
      <br><br>
      <table>
        <tr>
          <th>Ryerson University (X-University)</th>
          <td rowspan="2"><p>I'm currently Ryerson Computer Science who's heading into my fourth year. I used
to be in the Image Arts Photography program before I got accepted to the Computer Science program.</p></td>
        </tr>
        <tr>
          <td><img src="./images/Ryerson_Engineering_Building.jpeg" alt="Ryerson Engineering Building"
style="height:250px"></td>
        </tr>
      </table>
      <br><br>
      <table>
        <tr>
          <th colspan="2">George Brown College</th>
          <td rowspan="2"><p>Before Ryerson, I was a in George Brown to get my diploma and that's where I
learned the following skills:</p>
            <ul>
              <li>HTML/CSS for the first time which helped me learn to build webpages.</li>
              <li>JavaScript and PHP for programming webpages.</li>
              <li>Java and C# for object-oriented programming and for more web programming with
framework.</li>
              <li>Unity engine with C# for game-programming.</li>
              <li>Android Studio with Java for Android App development.</li>
              <li>XCode with Swift for iOS App development.</li>
            </ul>
          </td>
        </tr>
        <tr>
          <td><img src="./images/George_Brown_Casa_Loma.jpeg" alt="George Brown Casa Loma"
style="height:250px"></td>
          <td><img src="./images/grad_photo.jpg" alt="George Brown Casa Loma" style="height:250px"></td>
```

```html
      </tr>
    </table>
    <div id='footer'>
      <h3>My Contact</h3>
      <a href="https://www.facebook.com/naushad.sayeed/" target="_blank"><img src="./images/facebook.png"
alt="Facebook Logo" style="height:50px"></a>
      <a href="https://www.linkedin.com/in/naushadsayeed/" target="_blank"><img src="./images/linkedin.png"
alt="Linkedin Logo" style="height:50px"></a>
      <a href="https://www.instagram.com/naushadsayeed/" target="_blank"><img src="./images/instagram.png"
alt="Instagram Logo" style="height:50px"></a>
      <a href="https://twitter.com/naushadsayeed" target="_blank"><img src="./images/twitter.png"
alt="Instagram Logo" style="height:50px"></a>
      <p style='text-align:right'>&copy; 2014 Naushad Sayeed, All rights reserved</p>
    </div>
  </div>
</body>
</html>
```

Code for projects.html

```html
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <title>Projects | Naushad Sayeed</title>
    <meta charset='utf-8'>
    <link rel="stylesheet" type="text/css" href="style.css"> <!--Links this HTML page with the CSS file-->
  </head>
  <body>
    <div id='pagesize'>
      <div id='header'> <!--Header of this web-page starts here.-->
        <ul id='NavigationBar'>
          <li class='NavBarLinks'><a href="./index.html">Home</a></li>
          <li class='NavBarLinks'><a class="active" href="./projects.html">Projects</a></li>
          <li class='NavBarLinks'><a href="./resume.html">Resume</a></li>
        </ul>
      </div>
      <h1>Naushad's Projects</h1>
      <hr>
```

```html
        <h2>Will be uploaded later...</h2>
        <a href="./index.html"><div id="click-here">
            <h2>CLICK HERE to go back to the home page</h2>
        </div></a>
        <br><br>
        <div id='footer'>
            <h3>My Contact</h3>
            <a href="https://www.facebook.com/naushad.sayeed/" target="_blank"><img src="./images/facebook.png"
alt="Facebook Logo" style="height:50px"></a>
            <a href="https://www.linkedin.com/in/naushadsayeed/" target="_blank"><img src="./images/linkedin.png"
alt="Linkedin Logo" style="height:50px"></a>
            <a href="https://www.instagram.com/naushadsayeed/" target="_blank"><img src="./images/instagram.png"
alt="Instagram Logo" style="height:50px"></a>
            <a href="https://twitter.com/naushadsayeed" target="_blank"><img src="./images/twitter.png"
alt="Instagram Logo" style="height:50px"></a>
            <p style='text-align:right'>&copy; 2014 Naushad Sayeed, All rights reserved</p>
        </div>
    </div>
  </body>
</html>
```

Code for resume.html

```html
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <title>Resume and Contact | Naushad Sayeed</title>
    <meta charset='utf-8'>
    <link rel="stylesheet" type="text/css" href="style.css"> <!--Links this HTML page with the CSS file-->
  </head>
  <body>
    <div id='pagesize'>
      <div id='header'> <!--Header of this web-page starts here.-->
        <ul id='NavigationBar'>
          <li class='NavBarLinks'><a href="./index.html">Home</a></li>
          <li class='NavBarLinks'><a href="./projects.html">Projects</a></li>
          <li class='NavBarLinks'><a class="active" href="./resume.html">Resume</a></li>
        </ul>
```

```html
        </div>
        <h1>Naushad's Resume</h1>
        <hr>
        <h2>Will be uploaded later...</h2>
        <a href="./index.html"><div id="click-here">
            <h2>CLICK HERE to go back to the home page</h2>
        </div></a>
        <div id='footer'>
            <h3>My Contact</h3>
            <a href="https://www.facebook.com/naushad.sayeed/" target="_blank"><img src="./images/facebook.png"
alt="Facebook Logo" style="height:50px"></a>
            <a href="https://www.linkedin.com/in/naushadsayeed/" target="_blank"><img src="./images/linkedin.png"
alt="Linkedin Logo" style="height:50px"></a>
            <a href="https://www.instagram.com/naushadsayeed/" target="_blank"><img src="./images/instagram.png"
alt="Instagram Logo" style="height:50px"></a>
            <a href="https://twitter.com/naushadsayeed" target="_blank"><img src="./images/twitter.png"
alt="Instagram Logo" style="height:50px"></a>
            <p style='text-align:right'>&copy; 2014 Naushad Sayeed, All rights reserved</p>
        </div>
    </div>
  </body>
</html>
```

Code for style.css

```css
body
{
    background: #ff7400; /* Old browsers */
    background: -moz-linear-gradient(top,  #ff7400 0%, #ff7400 100%); /* FF3.6+ */
    background: -webkit-gradient(linear, left top, left bottom, color-stop(0%,#ff7400), color-stop(100%,#ff7400)); /*
Chrome,Safari4+ */
    background: -webkit-linear-gradient(top,  #ff7400 0%,#ff7400 100%); /* Chrome10+,Safari5.1+ */
    background: -o-linear-gradient(top,  #ff7400 0%,#ff7400 100%); /* Opera 11.10+ */
    background: -ms-linear-gradient(top,  #ff7400 0%,#ff7400 100%); /* IE10+ */
    background: linear-gradient(to bottom,  #ff7400 0%,#ff7400 100%); /* W3C */
    /*filter: progid:DXImageTransform.Microsoft.gradient( startColorstr='#ff7400',
endColorstr='#ff7400',GradientType=0 );  IE6-9 */
}
```

```css
#pagesize
{
    width:70%;
    min-width: 900px;
    margin: 0 auto;
    background: #a9e4f7; /* Old browsers */
    background: -moz-linear-gradient(top,  #a9e4f7 0%, #0fb4e7 100%); /* FF3.6+ */
    background: -webkit-gradient(linear, left top, left bottom, color-stop(0%,#a9e4f7), color-stop(100%,#0fb4e7)); /* Chrome,Safari4+ */
    background: -webkit-linear-gradient(top,  #a9e4f7 0%,#0fb4e7 100%); /* Chrome10+,Safari5.1+ */
    background: -o-linear-gradient(top,  #a9e4f7 0%,#0fb4e7 100%); /* Opera 11.10+ */
    background: -ms-linear-gradient(top,  #a9e4f7 0%,#0fb4e7 100%); /* IE10+ */
    background: linear-gradient(to bottom,  #a9e4f7 0%,#0fb4e7 100%); /* W3C */
    /*filter: progid:DXImageTransform.Microsoft.gradient( startColorstr='#a9e4f7', endColorstr='#0fb4e7',GradientType=0 );  IE6-9 */
}


/*#header
{
    background: green;
}*/


#footer
{
    background: #333;
    color: white;
}


#NavigationBar {
    list-style-type: none;
    margin: 0;
    padding: 0;
    overflow: hidden;
    background-color: #333
}


.NavBarLinks {
```

```css
    float: left;
}


.NavBarLinks a {
    display: inline-block;
    color: white;
    text-align: center;
    padding: 14px 16px;
    text-decoration: none;
}

.NavBarLinks a:hover:not(.active) {
    background-color: #111;
}
.active{
    background-color: #4CAF50;
}
/*New CSS Tags for Lab 2*/
table, th, td, #click-here {
    border: 1px solid black;
}
#click-here:hover{
    color: #a9e4f7;
    background-color: #111;
}
```

11a. What HTML5 tags you used and why you chose them?

I first started off with the tags that all HTML files contain:

- <!DOCTYPE html> for the very first line

- <html lang="en-US"></html> something the document begins and ends with. The lang="en-US" is required so it can validate in the W3 HTML validator.
- <head></head> is for the title, meta and the CSS <style> tags.
- <meta charset='utf-8'> is the attribute and web developers use utf-8
- <body></body> is for the visible part of the HTML document

Tags I used after finished putting the tags above.
- <h1></h1> is used for the heading which I used to make my full name more visible. All the .html files have this tag so since all .html pages need headings.
- <h2></h2> is used for the heading smaller than h1 so I used h2 for the subheadings. All the .html files have that so it can have big letters for words, mostly for subheadings.
- <link rel="stylesheet" type="text/css" href="style.css"> is for the external CSS file for the styling of all the webpages. All the .html pages have this so it can use the style.css
- and is used for Unordered Lists which I used to create the Navigation Bar with. All the .html files have this so it can navigate to each of the pages.
- <style></style> tag is what I used to change the size of my profile picture. The index.html file has this since it is for the profile picture in that .html file.
- is so whatever is in between the tags can be used for clicking to whatever link or path the href equals to. The one in the footer contains the target="_blank" attribute in it too so when clicking, it opens in another tab. All the .html files have this tag.
- <div></div> tags with ID are used so I can divide the sections I want to style with CSS, and the ID attribute is to specify which div tag I want to stylize. All the .html files have this tag so the style.css file can use it.
- <img src=""> is what I used to embed the images that are on my main page. All the .html files have this because of the logos below My Contact, but the index.html file uses more of them since it contains pictures about me.
- <p></p> is for putting paragraphs in the webpages. All the .html files have this but the index.html file uses it more since it contains more details about me. The other two .html pages currently only use p tags for the footer copyright stuff.
- <hr> is to show a thematic break in the webpages. I used that in my project.html and my resume.html since it looks nice with the headings for those two .html pages.
-
 tag is used to break a line, used in index.html and projects.html
- <table></table> tag is used to create a table where <tr></tr> is the row, <th></th> is used for the header cell and <td></td> is used for the rest of the cells.

11b. Compare and contrast using <div> tags vs. <table> tag when it comes to organizing content?

Usually, the <div> tags are made for page layout while <table> is made for tabular data.

- I used the <div> tags to select the areas for CSS styling that doesn't need to be in a table like the navigation bars, footer and even the background(s) of the whole page.
- I used the <table> tags to put a certain topic together. For example, the "About me" topic has a picture of me and a description, so the best way to make it good quality is if they're beside each other and using the <table> tags make it easy to do that since I can put different things in a table cell (<td> or <th>). The heading "About me" uses colspan=2 so it can be in the middle of both the picture and description, and then the picture and description can be beside each other.

11c. What CSS3 features did you use?
- background and background-color: For the background colors
- width: For the width of a certain div area.
- min-width: To make sure that the width doesn't go smaller than the minimum.
- margin: Create space around the elements.
- color: For text color.
- list-style-type: Specifies the appearance of the list item marker.
- padding: The space between content and border.
- overflow: Specifies whether to clip the content or to add scrollbars.
- float: To determine the position of an element (left, right or center)
- display: Specifies the display behavior of an element.
- text-align: Determine the position for the text (left, right or center)
- text-decoration: Specifies decoration added to text.
- border: Specifies the style for the border for tags.
- margin-left/right: Creates space in a position around elements.

11d. Did you use element CSS classes and/or global CSS classes?
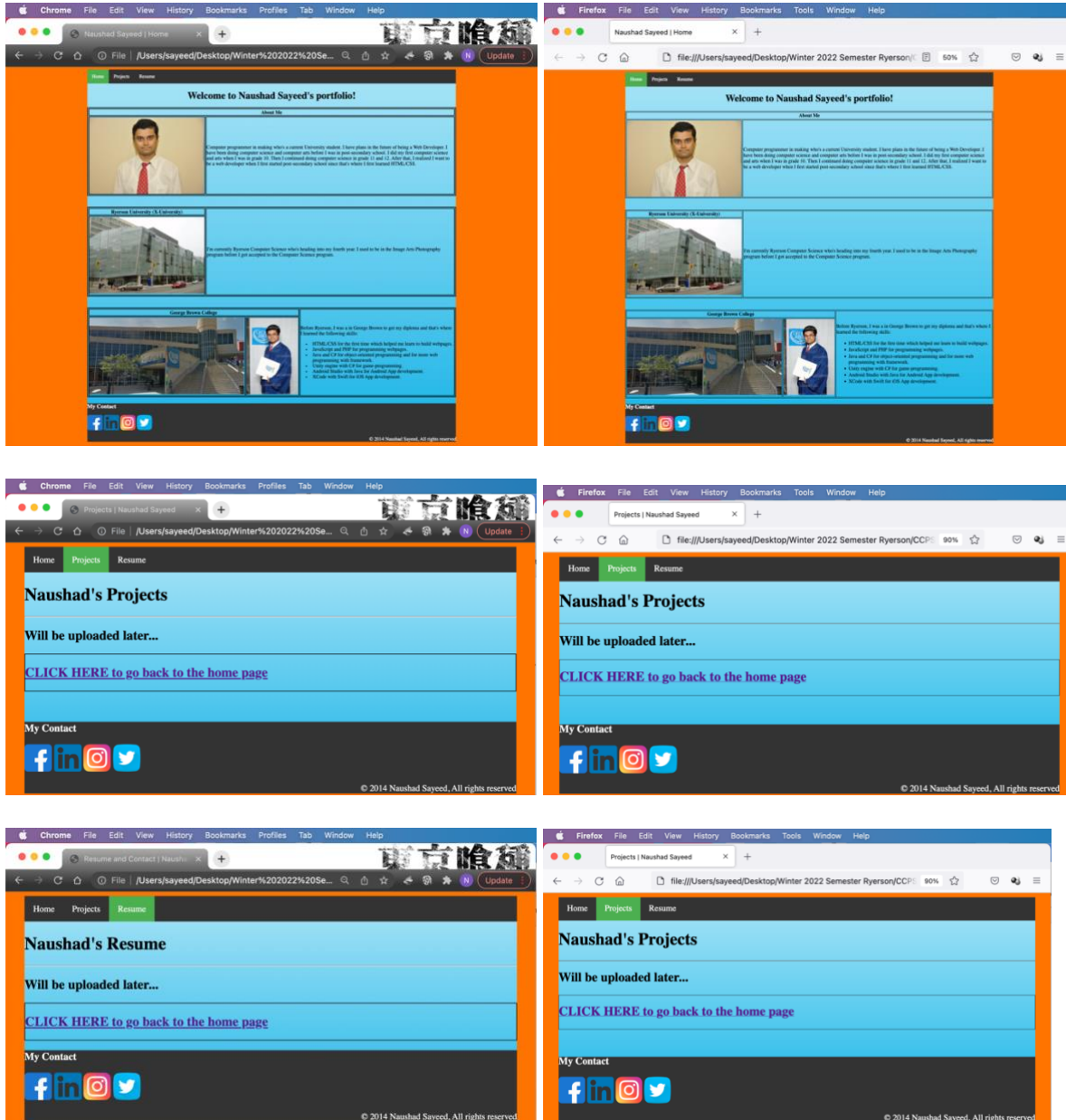
Element CSS Classes I used:

- style="text-align: " – beside the colon would be either 'center' or 'right', which is for aligning the text. It's used in all the HTML files.
- style="height: " – beside the colon, it would be the number. I mostly used '250px' or '50px'. This is for the height of the embedded image.

Global CSS Classes I used:
- .ProfilePicture – A global class I created for the embedded image. I used this class for the size, display, and margin of the profile picture. I have this in index.html between <style> tags since this image is just for that HTML page.
- body – This global class is for all the body tags, it's used in the style.css file since it's for multiple HTML pages. It is mainly for the background color of the body.
- #pagesize – This global class is something I created with div id. This is for creating a spot in the body to put all the contents in.
- #header and #footer – These global classes are something I created with div id. It's mainly for the top and bottom portion of the webpage. I commented out the #header one because the #NavigationBar fills up for that.
- #NavigationBar – This global class is something I created with div id. This is for having a proper style for the Navigation Bar created with <ul>, <li> and <a href=""> tags.
- .NavBarLinks – This global class is something I created for the <li> tags in the navigation bar. It is mainly for the colors, text-align, text-decoration, padding, and display. It also has a feature where it changes colors while hovering.
- .active – This global class is something I created to show that the option on the navigation bar is the current webpage. It has a connection with the .NavBarLinks
- table, th, td – These global classes are for the table. It is for putting a border for the tables since tables uses the <table>, <th>, and <td> tags.
- #click-here – This global class is something I created with div id. It is for projects.html and resume.html where it tells the user to click there to go to the main menu. This is mainly for creating a visible border with a hover feature that changes color.

11e. Which web browsers did you used to view your page and are there rendering differences between browsers? You may add screenshots to your report.

I used Chrome and Firefox to run the webpages. So far, I haven't had any rendering differences between browsers I used to run my webpages.

The screenshots above are the three webpages viewed in Chrome on the left and Firefox on the right. It shows that I didn't have any rendering differences from the two browsers.

11e. How long did you spend on this lab? Length of time includes readings and research and code experimentation. State time involved in readings and research as well as code experimentation sessions.

It took me a total of 3 hours to do this:

- 1 hour on readings and research
- 2 hours of code experimentations, which includes finishing all the codes for this lab.

It took less hours for me to do this because I used all the lab 1 stuff which saved me lots of time. Lab 1 took me 10 hours to finish, so if I include the lab 1 time, the total would be 13 hours.