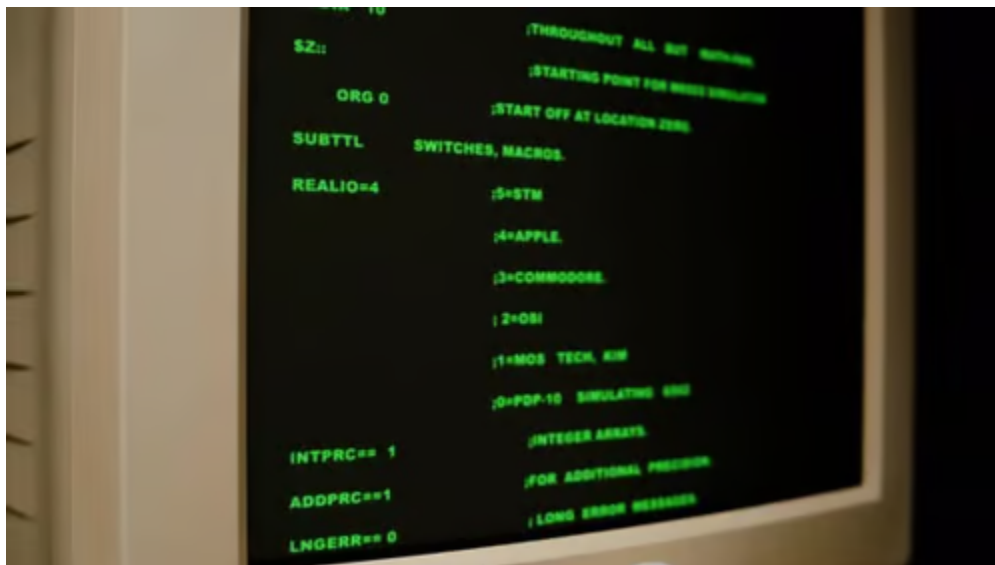## CCT260 Project 2 Process Work

For this project I wanted to create a website that was modern, sleek, and futuristic. Something that brought computer-esque code to actual UI design. Basically a theme that took inspiration from the matrix in terms of a retro typewriter style font mixed with an interface that looks like something you would see in a computer or PC BIOS when changing settings.

The goal isn't to make something super complicated like this image above here but maybe get inspiration from the colors and theme and how the pressed navigation buttons look.
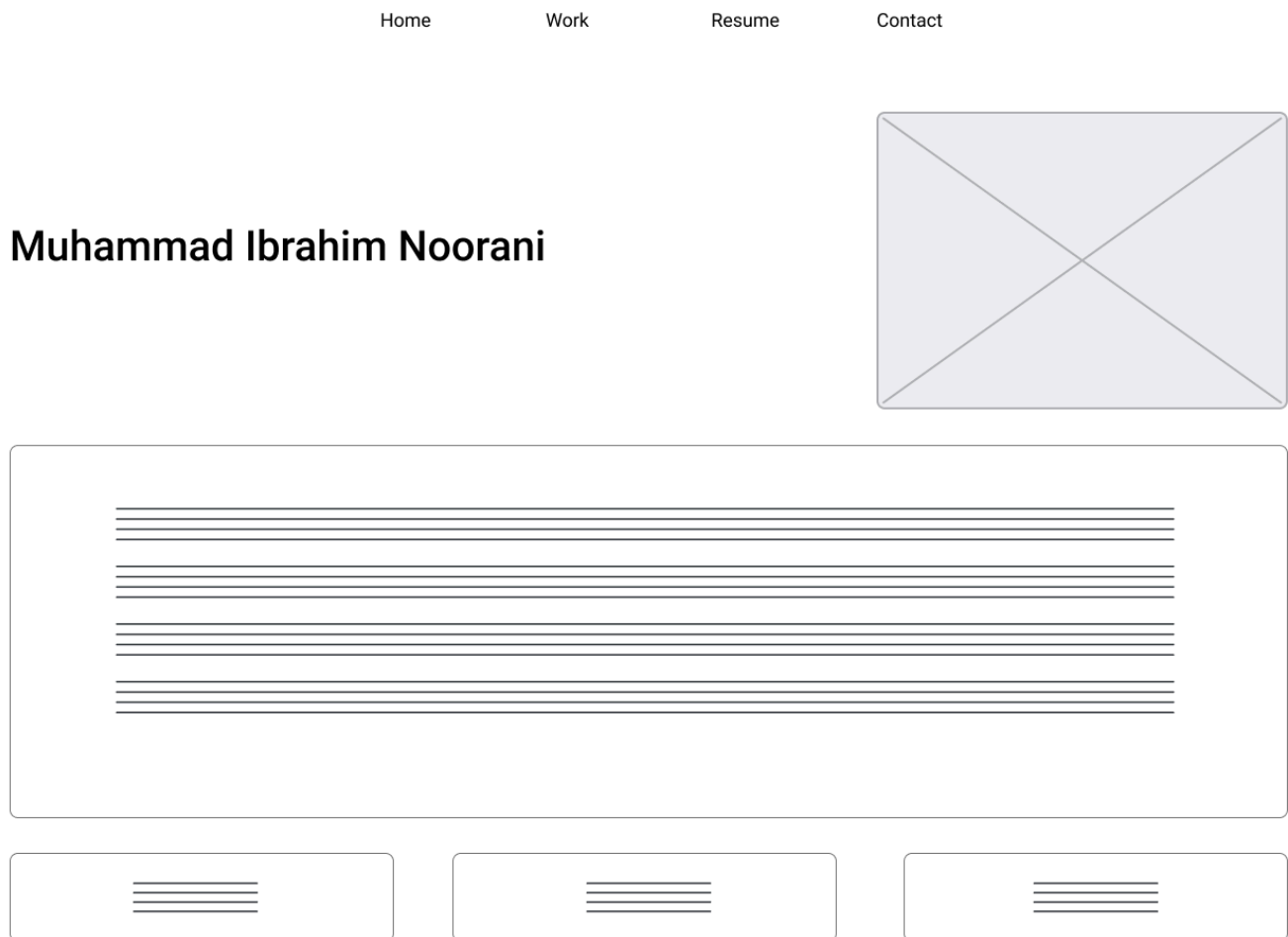

Like this image above, I wanted to give an effect of a retro terminal for a column on my site.

In terms of information architecture, I felt that the structure of the assignment and as a result; the website, were very simple and easy to follow, as such I went directly into making a wireframe for the Index.html page on figma.

Figma Link :
https://www.figma.com/design/GUy5GLhPQg0UQkQPxwTgm0/CCT260---Project-2---Wireframe---Homepage?node-id=0-1&t=sIfH26d2bGX6Yc6f-1

| Home | Work | Resume | Contact |

Muhammad Ibrahim Noorani

This is the basic iteration of the structure of the website. Coincidentally, this is also the most complex page to create in terms of implementing CSS and other html formats properly. The next pages essentially followed a similar structure however they were easier to make as they mostly only required either PDF embeds or a map embed.

```
@import url('https://fonts.googleapis.com/css2?family=Orbitron:wght@400;700&display=swap');

body {
    background-color: #0d0d0d;
    color: #d1d1d1;
    font-family: 'Orbitron', sans-serif;
    margin: 0;
    padding: 0 0 60px;
    overflow-x: hidden;
}

header {
    background: linear-gradient(90deg, #111, #222);
    padding: 20px;
    box-shadow: 0 4px 15px rgba(0, 255, 255, 0.4);
    text-align: center;
}

h1, h2, h3 {
    color: #00ffff;
    text-transform: uppercase;
    letter-spacing: 2px;
}
```

Implementing fonts as a result was fairly easy, mostly consisting of adjusting the correct color scheme that I wanted as well as the size and spacing.

The hard part was creating elements for accessibility and also something that would look cool in general, such as when your mouse cursor hovers over the navigation button, it changes color. I also wanted to add a constant pressed line under when you clicked a button, similar to how UI buttons look in a video game or within a computer's BIOS system.

```
nav ul {
    list-style: none;
    padding: 0;
    margin: 20px 0;
}

nav ul li {
    display: inline-block;
    margin: 0 15px;
    position: relative;
}

nav ul li a {
    color: #00ffff;
    text-decoration: none;
    font-size: 1.2em;
    transition: all 0.3s;
    padding: 5px 10px;
}

nav ul li a:hover,
nav ul li a.active {
    color: #ff00ff;
    text-shadow: 0 0 10px #ff00ff;
}

nav ul li a.active {
    border-bottom: 2px solid #ff00ff;
}
```

One of the first errors though that came up was how the underline under the button did not appear under all the sections, the eventual fix I found for that was basically implementing this java script in all of the html pages.

```
 9 ▼      <script>
10
11 ▼      document.addEventListener('DOMContentLoaded', function() {
12            const currentPage = location.pathname.split('/').pop();
13 ▼          document.querySelectorAll('nav a').forEach(link => {
14 ▼              if(link.getAttribute('href') === currentPage) {
15                    link.classList.add('active');
16                }
17            });
18        });
19    </script>
```

One interesting effect that really made the index.html page stand out was adding a terminal-like-

```
47 ▼          <section class="cyber-bio">
48 ▼      <div class="terminal-header">
49            <span class="terminal-dot red"></span>
50            <span class="terminal-dot yellow"></span>
51            <span class="terminal-dot green"></span>
52            <span class="terminal-title">user@portfolio:~</span>
53        </div>
54
55 ▼      <div class="bio-content">
56            <p class="typewriter"><span class="prompt">></span> Hello_World! I'm <span
              class="glow">Ibrahim Noorani</span></p>
57
58            <p class="typewriter delay-1"><span class="prompt">></span> Third-year UofT student
              double-majoring in:</p>
59 ▼          <ul class="cyber-list">
60                <li>Communication, Culture & Technology (CCIT)</li>
61                <li>Political Science</li>
62            </ul>
63
64            <p class="typewriter delay-2"><span class="prompt">></span> Passionate about:</p>
65 ▼          <div class="skill-grid">
66                <span class="skill-chip">Digital Media Production</span>
67                <span class="skill-chip">UX/UI Design</span>
68                <span class="skill-chip">Web Development</span>
69                <span class="skill-chip">Tech Solutions</span>
70            </div>
71
```

-box category. It looked more difficult than it was but it was mostly a visual construction rather than anything technical. The large portion of labor was done in the css file where fonts and the

dot colors (to look like mac escape and minimize button) had to be brought in. Which was then properly formatted onto the actual html file to give the needed effect.

```css
.terminal-header {
    background: #111;
    padding: 10px 15px;
    display: flex;
    align-items: center;
    border-bottom: 1px solid #00ffff;
}

.terminal-dot {
    width: 12px;
    height: 12px;
    border-radius: 50%;
    margin-right: 8px;
}
.red { background: #ff5f56; }
.yellow { background: #ffbd2e; }
.green { background: #27c93f; }

.terminal-title {
    color: #aaa;
    font-size: 0.9em;
    margin-left: 10px;
}

.bio-content {
    padding: 25px;
}

.typewriter {
    color: #d1d1d1;
    margin: 15px 0;
```

Typewriter font helped in bringing this effect to life. Also, to bring in the actual type affect you would see in old terminals or the matrix movie, I added some animation delays which brought that effect out.

```css
.typewriter {
    color: #d1d1d1;
    margin: 15px 0;
    font-family: 'Courier New', monospace;
}
.delay-1 { animation-delay: 0.5s; }
.delay-2 { animation-delay: 1s; }
.delay-3 { animation-delay: 1.5s; }
.delay-4 { animation-delay: 2s; }
```

The other pages mostly followed the same structure with the navigation all ready to go.

```
<body>
    <header>
        <nav>
            <ul>
                <li><a href="index.html">Home</a></li>
                <li><a href="work.html">Work</a></li>
                <li><a href="resume.html">Resume</a></li>
                <li><a href="contact.html">Contact</a></li>
                <li><a href="process.html">Process</a></li>
            </ul>
        </nav>
    </header>
```

Showing projects and work was done through embedding PDFs onto the site itself, by putting it into the file structure and then using src to bring it to the site.

```
33 ▼     <section class="resume-container">
34 ▼         <div class="resume-pdf">
35               <embed src="Muhammad_Ibrahim_Noorani_Resume1.pdf" type="application/pdf"
                 width="100%" height="600px" />
36               <p><a href="Muhammad_Ibrahim_Noorani_Resume1.pdf" download>Download Resume</a>
                 </p>
37           </div>
38 ▼         <div class="resume-summary">
```

For the contact page, I wanted to make a box column where you could write your name and email in a text box in order to contact me with a press of a button. The visual element came out nice but it's entirely a visual addition as it does not actually work.

```
22
23 ▼      <main class="contact-container">
24 ▼          <section class="contact-section">
25 ▼              <div class="contact-form-container">
26                   <h2 class="cyber-heading">Contact_Me</h2>
27 ▼                 <form class="cyber-form">
28 ▼                     <div class="input-group">
29                           <label for="name">> Name:</label>
30                           <input type="text" id="name" name="name" required>
31                       </div>
32
33 ▼                     <div class="input-group">
34                           <label for="email">> Email:</label>
35                           <input type="email" id="email" name="email" required>
36                       </div>
37
38 ▼                     <div class="input-group">
39                           <label for="message">> Message:</label>
40                           <textarea id="message" name="message" rows="5" required></textarea>
41                       </div>
42
43 ▼                     <button type="submit" class="cyber-button">
44                           <span class="btn-text">Send_Message</span>
45                           <span class="btn-glow"></span>
46                       </button>
47                   </form>
48               </div>
49
50 ▼              <div class="map-container">
51 ▼                  <div class="map-header">
52                       <i class="fas fa-map-marked-alt"></i>
53                       <h3>My_Location</h3>
54                   </div>
55
56 ▼                  <iframe
```