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| **Waldo Nieman, 37943278**  **CMPG 323- IT Developments**  **Group Project Deliverable 1**  **Group Name: KWL CODES**  **Documentation**  **-Virtual CV** |

At first, this deliverable was difficult for me. I didn’t know where to start or what to do first. I began by researching a few concepts. I had a vision for my Virtual CV but didn’t know how to achieve it. After a few days of research, I had a clearer view of how I was going to tackle this deliverable.

I wanted to include the following sections in my Virtual CV:

**About Me** - This section tells the user a bit more about myself and the type of person and worker I am.

**Experience** - This section includes all my work experience. Since I’m still a student, there isn’t much in this section of my CV.

**Skills** - This section shows all my strong skills and possible skills that would help me in a work environment.

**Education** - This section gives the user an overview of all the education I have undertaken, with information on my modules.

**Achievements** - This section showcases some of my academic achievements.

**Contact** - In this section, one can find my cell phone number, email, and ID number.

I also included a footer containing links to my GitHub profile and my LinkedIn profile to make them easy to access. I wanted my Virtual CV to be easy to navigate, clear, intuitive, and accessible.

I decided to use Visual Studio Code to create my Virtual CV. I used the following files to code my Virtual CV:

**script.js** - Here, I added extra functionalities such as the progress bar.

**styles.css** - Here, I changed all the styles of my website components.

**index.html** - Here, I added all the text displayed on the website.

I hosted my Virtual CV using GitHub Pages. I also created a GitHub repository for my Virtual CV that shows frequent commits and a history of work.

Using GitHub was a valuable experience. It allowed me to manage my project efficiently, track changes, and collaborate more effectively. The version control system helped me keep a detailed history of my work, making it easier to revert to previous versions if needed. Hosting my Virtual CV on GitHub Pages was straightforward and provided a professional platform to showcase my work. Overall, GitHub enhanced my workflow and contributed significantly to the success of this project.

This project was challenging in some ways, but I enjoyed being able to be creative and explore various ways of doing things. I learned a lot through this project, and it improved my skills. This also allowed me to have a Virtual CV that is easy to change and update. I will forever make use of this creation.

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| **Code of script.js** |

//Waldo Nieman, 37943278

// script.js

// Here I added extra functionalities such as the progress bar etc.

document.addEventListener("DOMContentLoaded", function () {

  const sections = document.querySelectorAll(".section");

//Add in a funtion bar to have an extra functionality on the website

  // Create and style the progress bar

  const progressBar = document.createElement("div");

  progressBar.id = "progress-bar";

  document.body.appendChild(progressBar);

  progressBar.style.position = "fixed";

  progressBar.style.top = 0;

  progressBar.style.left = 0;

  progressBar.style.height = "5px";

  progressBar.style.backgroundColor = "#4caf50";

  progressBar.style.width = "0%";

  progressBar.style.zIndex = 1000;

  // Add a new class for fade-in animation

  function addAnimationClass() {

      sections.forEach((section) => {

          const sectionTop = section.getBoundingClientRect().top;

          const sectionHeight = section.offsetHeight;

          const pageHeight = document.documentElement.scrollHeight;

          const threshold = window.innerHeight - 290;

          if (

              sectionTop < threshold ||

              window.scrollY + window.innerHeight >= pageHeight - sectionHeight / 2

          ) {

              section.classList.add("animate");

          }

      });

  }

  // Function to update the progress bar for extra funtionality

  function updateProgressBar() {

      const scrollTop = window.scrollY;

      const docHeight = document.documentElement.scrollHeight - window.innerHeight;

      const scrollPercent = (scrollTop / docHeight) \* 100;

      progressBar.style.width = scrollPercent + "%";

  }

  // Initial check for sections in the viewport

  addAnimationClass();

  updateProgressBar();

  // Check for sections in the viewport on scroll, as well as when the page is fully loaded

  window.addEventListener("scroll", () => {

      addAnimationClass();

      updateProgressBar();

  });

  window.addEventListener("load", addAnimationClass);

  // Mobile navigation toggle

  const mobileNavToggle = document.getElementById("mobile-nav-toggle");

  if (mobileNavToggle) {

      const mobileNav = document.querySelector(".mobile-nav");

      mobileNavToggle.addEventListener("click", function () {

          mobileNav.classList.toggle("active");

      });

  }

});

|  |
| --- |
| **Code of styles.css** |

/\* Waldo Nieman, 37943278 \*/

/\* styles.css \*/

/\* Here I changed all the styles of my website components \*/

/\* Reset a few default styles \*/

body,

p,

ul,

li,

a,

h1,

h2,

h3 {

  list-style: none;

  text-decoration: none;

  font-family: Arial, sans-serif;

  margin: 0;

  padding: 0;

  font-size: clamp(15px, 1.5vw, 18px); /\* Adjust the base font \*/

}

/\* For heading elements, adjust the clamp values accordingly to ensure they scale up more \*/

/\* Change font size here \*/

h1 {

  font-size: clamp(45px, 6vw, 38px);

}

h2 {

  font-size: clamp(28px, 5vw, 30px);

}

h3 {

  font-size: clamp(18px, 3.5vw, 24px);

}

/\* Global styles of header body etc with colours and align funtions\*/

header {

  display: flex;

  align-items: center;

  background-color: #556B2F;

  color: #fff;

  padding: 20px;

}

/\*Change image size and style\*/

.img-cv {

  width: clamp(150px, 17vw, 250px);

  height: auto;

  margin-right: 20px;

}

.header-content {

  display: flex;

  flex-direction: column;

  justify-content: center; /\* Centers the content vertically \*/

  align-items: center;     /\* Centers the content horizontally \*/

  flex: 1;                 /\* Ensures the content takes up the remaining space \*/

}

header h1 {

  margin: 0 0 10px;

}

header hr {

  width: 50%;

  border: 1px solid #fff;

  margin: 10px 0;

}

nav ul {

  display: flex;

  justify-content: flex-start;

}

nav li {

  margin-right: 20px;

}

nav a {

  color: #fff;

  font-weight: bold;

}

body {

  background-color: #fff;

  color: #556B2F;

}

.section {

  padding: 20px;

}

.section h2,

#intro {

  color: #556B2F;

  margin-bottom: 10px;

  text-align: center;

}

.section-content {

  background-color: #fff;

  padding: 20px;

  border-radius: 5px;

  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

.section {

  opacity: 0;

  transform: translateY(20px);

  transition: opacity 0.5s ease, transform 0.5s ease;

}

.section.animate {

  opacity: 1;

  transform: translateY(0);

}

.mobile-nav,

.mobile-nav ul li a,

.menu-icon {

  display: none;

}

/\* Interaction Styles & Responsive Styles when screen size is smaller \*/

@media (max-width: 768px) {

  /\*When Viewing website on mobile device no picture is shown becuase of screen size being smaller\*/

  .img-cv {

    display: none;

  }

  header {

    flex-direction: column;

    align-items: center;

    text-align: center;

  }

  nav ul {

    flex-direction: column;

    display: none;

  }

  nav li {

    margin: 10px 0;

  }

  .menu-icon {

    display: block;

    background: none;

    border: none;

    color: #fff;

    cursor: pointer;

  }

  .mobile-nav.active {

    display: block;

    background-color: #556B2F;

    position: absolute;

    top: 60px;

    left: 0;

    right: 0;

    z-index: 1;

  }

  .mobile-nav.active ul {

    padding: 20px;

    background-color: #556B2F;

    list-style: none;

    text-align: center;

  }

  .mobile-nav.active ul li {

    margin: 10px 0;

  }

  .mobile-nav.active ul li a {

    color: #fff;

    font-weight: bold;

  }

}

|  |
| --- |
| **Code of index.html** |

<!-- Waldo Nieman, 37943278 -->

 <!-- index.html -->

  <!-- Here I added all the text displayed on the website -->

 <!DOCTYPE html>

 <html lang="en">

   <head>

     <meta charset="UTF-8" />

     <meta name="viewport" content="width=device-width, initial-scale=1.0" />

     <title>Waldo (WM) Nieman - Information Technology Professional</title>

     <link rel="stylesheet" href="styles.css"/>

   </head>

   <body>

     <header>

       <img class="img-cv" src="img/WaldoNiemanCV.jpg" alt="my cv photo">

       <div class="header-content">

         <h1>Waldo Marthinus Nieman</h1>

         <hr id="hr1" />

         <nav>

           <ul>

             <li><a href="#about">About Me</a></li>

             <li><a href="#experience">Experience</a></li>

             <li><a href="#skills">Skills</a></li>

             <li><a href="#education">Education</a></li>

             <li><a href="#achievements">Achievements</a></li>

             <li><a href="#contact">Contact</a></li>

           </ul>

         </nav>

       </div>

     </header>

     <!-- The Text Within the About Myself Section of the Website -->

     <section id="about" class="section">

       <h2>About Me</h2>

       <div class="section-content">

         <p>

             I am currently a final-year BSc Information Technology (IT) student at North-West University (NWU).

             As a dynamic student, I thrive in ever-changing environments. My adaptability allows me to take on diverse challenges with enthusiasm and creativity.

             Discipline is at the core of my work ethic. I adhere to schedules, meet project deadlines, and maintain a consistent focus and routine. Punctuality is a sign of respect for me.

             I value others’ time and consistently arrive on time for meetings, code reviews, and project milestones. I am a team player with an eye for detail.

             I enjoy working with other people and value others’ ideas. Sometimes I prefer to work alone on some tasks since everyone doesn’t have the same standards.

             Lastly, I hold myself to high moral standards. Integrity, honesty, and empathy guide my actions.

           </p>

         </div>

       </section>

  <!-- The Text Within the Experience Section of the Website -->

       <section id="experience" class="section">

         <h2>Experience</h2>

       <div class="section-content">

         <h3>Work Experience</h3>

         <ul>

           <li>

             <h4>Owner of a Photography Business</h4>

             <p>Collection Photography (2020 - Present)</p>

             <li>Worked with a lot of individuals, couples, and families</li>

             <li>Improved my people skills, knows how to satisfy requirements</li>

             <li>Know exactly how a business must work and have experience with multiple platforms</li>

           </li>

           <li>

             <h4>Wedding stationary Designer</h4>

             <p>2024</p>

           </li>

         </ul>

     </div>

   </section>

    <!-- The Text Within the Skills Section of the Website -->

   <section id="skills" class="section">

     <h2>Skills</h2>

     <div class="section-content">

       <ul>

         <li>Team Player</li>

         <li>Web Development (HTML, CSS, JavaScript)</li>

         <li>Problem Solver</li>

         <li>Social Interactive</li>

         <li>Software Development (Python, C++, C#, Java)</li>

         <li>Creative Designer</li>

         <li>Responsibility</li>

         <li>Quick Learner</li>

         <li>Analytical skill</li>

         <li>Management skills</li>

         <li>Customer service</li>

       </ul>

     </div>

   </section>

       <!-- The Text Within the Education Section of the Website -->

       <section id="education" class="section">

         <h2>Education</h2>

         <div class="section-content">

           <ul>

             <li>

               <h3>

                 BSc. Information Technology (IT) - North-West University, Potchefstroom

                 Campus (2021 - Present)

               </h3>

               <h4>Relevant Modules:</h4>

               <ul>

                 <li>System Analysis and Design</li>

                 <li>Apps and Advanced User Interface Programming</li>

                 <li>Data Structures and Algorithms</li>

                 <li>Data Analytics II</li>

                 <li>Object-Oriented Programming</li>

                 <li>User Interface Programming I</li>

                 <li>Discrete Mathematics</li>

                 <li>Communication Skills</li>

                 <li>Information Security</li>

                 <li>Structured Programming</li>

               </ul>

             </li>

             <li>

               <hr />

               <h3>

                 National Senior Certificate (NSC) - Hoërskool Wagpos (2020)

               </h3>

               <h4>High School Subjects:</h4>

               <ul>

                 <li>Afrikaans Home Language</li>

                 <li>English First Additional Language</li>

                 <li>Mathematics</li>

                 <li>Life Orientation</li>

                 <li>Electrical Technology</li>

                 <li>Engineering Graphics and Design</li>

                 <li>Physical Sciences</li>

               </ul>

             </li>

             </li>

           </ul>

         </div>

       </section>

 <!-- The Text Within the Achievement Section of the Website -->

   <section id="achievements" class="section">

     <h2>Achievements</h2>

     <div class="section-content">

       <p>

         Top 10 Student (2018)

       </p>

       <p>

         Top 10 Student (2019)

       </p>

       <p>

         Awarded with cerificate for obtaining a average of 70+ (2020)

       </p>

     </div>

   </section>

 <!-- The Text Within the Contact Section of the Website -->

   <section id="contact" class="section">

     <h2>Contact</h2>

     <div class="section-content">

       <ul>

         <li>Phone: +27723682074</li>

         <li>Personal Email: waldonieman@gmail.com</li>

         <li>NWU Email: 37943278@mynwu.ac.za</li>

         <li>ID Number: 0201225054083</li>

         <li>Currently located in: Potchefstroom, North-West</li>

         <li>

         </div>

       </section>

           LinkedIn:

           <a

             href="https://www.linkedin.com/in/waldo-nieman-29553431a"

             target="\_blank"

             >LinkedIn</a

           >

         </li>

         <li>

           GitHub:

           <a href="https://github.com/waldonieman" target="\_blank">GitHub</a>

         </li>

       </ul>

     </div>

   </section>

   <!-- The Text Within the Footer Section of the Website -->

   <footer>

     <p>&copy; 2024 Waldo (WM) Nieman</p>

   </footer>

   <script src="script.js"></script>

 </body>

 </html>