

## **RWANDA CONCIERGE SERVICE.**

Our website aims at providing concierge services to locals, ex-pats, and tourists looking to explore Rwanda. We used HTML and CSS to build the website to ensure the visual appearance and responsiveness of the website. This report will discuss the implementation process of the website and recommendations for improvement of the website.

Our website aims to provide a comprehensive platform that offers a range of concierge services available in Rwanda by assisting users in quickly accessing and locating the usefulness under different categories. As we provide the services to users, we also aim to promote local businesses by showcasing their services on the website and facilitating engagement with potential customers. Our main objective is to develop a user-friendly website with intuitive navigation and precise categorization of services and provide accurate information for each service.

We started our web development with HTML to put the structure and content of our website. Some of the skills that we learned and utilized from HTML include the use of elements such as `<header>`, `<section>`, and `<footer>` that we used to divide the content into sections to improve accessibility and flow of the content. We also used the HTML tags; the `<a>` tag was used to create hyperlinks and navigational links between different website pages. The use of 'href' attribute has been used to make it easy for users to access specific sections of the website as services and contact information,

Under HTML, we also utilized form and input handling elements like `<input>` and `<textarea>` to create the contact form to gather user input and handle submissions. On the other hand, we used the `<img>` tag to facilitate the insertion of images and videos to the website to enhance the user experience by making the website appealing and exciting to the eyes.

Additionally, CSS was crucial to our website's development; as a styling language, we used it to shape the visual appearance of our website. Some of the CSS skills we employed include the Box model and layout to enable the manipulation of element padding and margins. This ensured an excellent structure layout, proper spacing, and content alignment. We also used selectors and styles to target specific HTML elements and apply them to them. This made it easy to control the appearance of various components such as headers, paragraphs, and the form. In CSS, we also used color and typography to customize the colors used and ensure proper website branding.

We faced some challenges while we were doing the website design. Some of the challenges were that since we had limited experience, it was challenging to ensure the websites' compatibility across various browsers, devices, and operating systems due to our limited experience. Also, due to a lack of extensive programming knowledge, designing the website to its full potential with a high level of aesthetic appeal was challenging. We leveraged the use of the resources provided under HTML and CSS while also outsourcing our own resources to develop a working website.

In implementing a responsive design, we used the CSS framework to create a responsive grid system by creating a flexible layout. This enabled the content to dynamically adapt to

varying screen sizes while maintaining a balanced presentation. We also set media breakpoints so that the website transitions between different layouts to optimize its usage and readability.

To improve our website further, we recommend several technical advancements. Firstly, we suggest implementing an HTTP/2 protocol to improve loading speeds. Secondly, we recommend compressing our images to reduce file sizes and improve page load speeds. Lastly, we recommend using content delivery networks (C.D.N.s) to deliver our website content consistently and efficiently to users.

In conclusion, the development of this website was a very enriching experience, our project was successful in creating a website that meets our aim and objectives. We effectively used CSS styling in our web development, HTML to organize and present our content, and made our website responsive to cater to various devices. We overcame the challenges we faced, and we recommend technical improvements to ensure future optimization.