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**Title :**

Landing Page for the Self Innovated Brand.

**Description :**

Our first objective is to create a responsive Landing Page for the self innovated brand .

In this task , I tried to make up a basic landing webpage for my idea which is OrganiCare. In this

landing page , I gave some additional page which includes the Sign In page when we sign in to

this website , Register or Sign Up page for registering or creating an account for this website

and a section which includes our brand’s introduction with the product images as well. This task

includes the proficiency knowledge of HTML , CSS and the knowledge of responsive design

principles and techniques.

**Steps :**

**Step 1** : Create an HTML web page named index.html to create a layout and use some tags such as heading tags to create heading such as brand name and anchor tags to create an hyperlink on the web page .

**Step 2** : Use some additional tags such as image tag to insert an image tag and division tags and these tags are used inside the section tag and align the contents in center.

**Step 3** : Provide some global attributes to the division tags and heading tags , such as class attribute to specify the property to the HTML elements.

**Step 4** : Create a CSS file named index.css to provide the design the layout. Use class selectors and element selectors to select the HTML elements and are used to provide the properties to the HTML elements.

**Step 5** : The CSS file (index.css) can be linked by the link tag with src as a local attribute to provide the file name with rel as a local attribute to provide stylesheet as a value inside the head tag of the HTML page.

**Challenges and Solutions :**

Several challenges may arise when developing a landing page for the self innovated brand. Here are some potential challenges and how to address them:

1. Layout Consistency: Maintaining consistent layout and design across different screen sizes and devices can be challenging. Elements may stack differently or appear disproportionate on smaller screens.

* Solution: Utilize CSS frameworks like Bootstrap to create a responsive grid system. Test the layout on various devices and adjust the CSS accordingly using media queries to ensure consistency.

1. Image Optimization: Images of logos may vary in size and resolution, leading to inconsistent loading times and visual quality across devices.

* Solution: Optimize images for the web by compressing them without sacrificing quality. Use responsive image techniques to deliver appropriately sized images based on the device's screen resolution.

1. Performance Optimization: Loading large amounts of content and images can slow down page load times, especially on mobile devices with slower connections.

* Solution: Implement lazy loading techniques to defer the loading of images until they are needed, reducing initial page load times. Minify CSS and JavaScript files and leverage browser caching to optimize performance further.

1. Cross-Browser Compatibility: Different web browsers may interpret CSS and HTML differently, leading to inconsistencies in layout and styling.

* Solution: Test the page on multiple browsers (such as Chrome, Firefox, Safari, and Edge) and ensure compatibility by using standardized CSS and HTML practices. Consider using CSS prefixes or vendor-specific properties to address browser-specific issues.