FRONTEND INTERNSHIP

Week One

Round 5

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Task one : Landing Page

Layout and Design:
Define the structure of the page using basic HTM elements
.such as <nav>, <header>, <section>, <footer etc

Use CSS to format and design elements in a way that makes the page attractive and easy to read.

Responsiveness and compatibility:
Ensure that the page responds well on different devices and screens.

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Task one : Landing Page

Test the compatibility of the page across different browsers to ensure that there are no design issues.

Go to the design link : Click Here

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Task Two : Image Gallery

Create an Image Slider using only HTML, CSS, and JavaScript, without using any external libraries or frameworks. Ensure that the slider is responsive across all screen sizes, from mobile devices to large screens.

Basic Requirements:

1-The slider should contain at least 3 images.

2-There should be buttons to navigate between images (forward and backward).

3-The images should automatically transition every 3-5 seconds.

4-When the user hovers over the slider, the automatic transition should pause.

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Task Two : Image Gallery

Suggested Enhancements:

1-Add Transition Effects: Include smooth transition effects when switching between images to enhance the slider's appearance.

2-Add Pagination Indicators: Add dots below the slider to indicate the currently active image, which can also be used to navigate between images.

3-Enable Swipe Functionality: Make the slider swipeable on touch screens to allow users to navigate between images by swiping.

4-Different Image Layouts: Experiment with different layouts for displaying images, such as stacking them side by side in a staggered manner or adding 3D effects during transitions.

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Task Three: Html and CSS Quiz

→ Click Here

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Task Four: Refactoring The Following Code

Task Requirements:

1. Improve HTML Structure:
 - Use appropriate semantic elements (such as `<header>`, `<nav>`, `<main>`, `<article>`, `<aside>`, `<footer>`).
 - Ensure the page is accessible (a11y compliant).

2. Enhance Bootstrap Usage:
 - Utilize the grid system more effectively.
 - Use appropriate Bootstrap components (like Navbar, Cards) instead of custom elements.
 - Implement better responsive design for mobile devices.

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Task Four: Refactoring The Following Code

3. Improve CSS:
 - Move CSS styles to an external file.
 - Use CSS variables to improve maintainability.
 - Enhance color consistency and contrast.

4. Additions and Enhancements:
 - Add a "Back to Top" button that appears on scroll.
 - Implement a responsive navigation menu.
 - Add a simple contact form in the footer.

5. Performance and Loading: ———
 - Optimize page loading (e.g., use appropriately sized images, non-blocking CSS loading).

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Task Four: Refactoring The Following Code

6. Documentation:
   - Add helpful comments in the code.
   - Create a simple README file explaining the project structure and how to run it.

7. Creativity:
   - Suggest and implement additional improvements for user experience or design.

———

To download the code to be rebuilt, click here.

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Deadline: Friday, September 6

Do not hesitate to ask for help or any inquiries from the team. Good luck

always.