**1. HTML Structure:**

Please find the ‘Task1.html’ and Task1.css file in the uploaded zip file, which demonstrates the implementation below.

1. Create a webpage using semantic HTML elements such as <header>, <nav>, <main>, <section>, <article>, <footer>, etc.

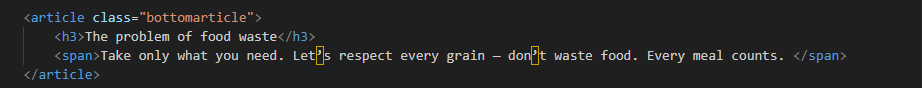
b) Ensure that each section of the page is clearly defined and uses appropriate HTML tags to represent the content.

A screenshot of a computer program

AI-generated content may be incorrect.

A screen shot of a computer

AI-generated content may be incorrect.



1. Add a navigation bar with links to different sections of the page.

A screen shot of a computer

AI-generated content may be incorrect.

d) Provide a meaningful title and meta description for SEO.

A black background with text

AI-generated content may be incorrect.

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**2. CSS Layout:**

Please find the ‘Task2.html’ and Task2.css file in the uploaded zip file, which demonstrates the implementation below.

1. Use Flexbox or CSS Grid to create a layout for the webpage.

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AI-generated content may be incorrect.

A screen shot of a computer program

AI-generated content may be incorrect.

A computer screen with text and images

AI-generated content may be incorrect.

1. Organize content into at least three sections (e.g., header, content area, and footer) using appropriate containers.

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1. Apply styling to the containers using Flexbox or Grid properties to create a visually distinct layout.

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1. Ensure that the layout is well-structured and easy to navigate.

Please find below screenshots in different screen sizes.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a menu

AI-generated content may be incorrect.

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**3. Responsive Design:**

a) Implement mobile-first design by writing base styles for mobile devices.

b) Use media queries to adjust the layout for larger screens (e.g., tablet and desktop).

c) Make sure the page remains visually appealing and functional on different screen sizes (e.g., mobile, tablet, and desktop).

d) Adjust font sizes, layout, and spacing for readability on smaller devices.

Please find the ‘Task3.html’ and Task3.css file in the uploaded zip file, which demonstrates the implementation below.

A screenshot of a computer program

AI-generated content may be incorrect.

A black screen with white text

AI-generated content may be incorrect.

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Please find below screenshots in different screen sizes.

A screenshot of a computer

AI-generated content may be incorrect.

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| A screenshot of a website  AI-generated content may be incorrect. | A screenshot of a website  AI-generated content may be incorrect. |

**4. Interactive Elements**

a) Add hover effects to buttons, links, or other interactive elements.

b) Use pseudo-classes like :hover, :focus, and :active to enhance user interaction.

c) Apply transitions or animations to the interactive elements for a smoother experience.

d) Ensure that interactive elements are accessible and user-friendly.

Please find the ‘Task4.html’ and Task4.css file in the uploaded zip file, which demonstrates the implementation below.

A screenshot of a computer program

AI-generated content may be incorrect.

A computer screen shot of text

AI-generated content may be incorrect.

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| **On page load** | Transition is applied to image and buttons. The top image gets scaled (transform) when hover on it. |
| **When hover on button**  A screenshot of a computer  AI-generated content may be incorrect. | **When hover on link**  A screenshot of a computer  AI-generated content may be incorrect. |
| **When the button is active**  A screenshot of a computer  AI-generated content may be incorrect. | **When the link is active**  A screenshot of a computer  AI-generated content may be incorrect. |