

HTML

No.	Concept Used	Description
1	HTML Structure	Defines the basic layout of the webpage using elements like <html>, <head>, and <body>.
2	Semantic Tags	Improves readability and accessibility with elements like <header>, <footer>, and <section>.
3	Forms	Enables user interaction through <form> elements such as <input>, <textarea>, and <button>.
4	Links	Facilitates navigation between pages using <a> tags with href attributes.
5	Images	Adds visual content to the webpage with using src and alt attributes.
6	CSS Integration	Enhances styling and layout by linking external or inline CSS using <style> or <link>.
7	Responsive Design	Ensures proper display on all devices with responsive techniques like <meta viewport> and media queries.

CSS:

Sl. No	Concept Used	Description
1	body styling	Sets the background image, font styles, and overall appearance of the body.
2	Flexbox (display: flex)	Aligns and distributes space among items in containers like the navigation bar and sections.
3	@media queries	Ensures responsiveness for various screen sizes by adjusting layout and styles.
4	hover effects	Adds visual changes, such as text or button color, when hovered over.
5	transition property	Smoothens hover effects and transformations.
6	Custom buttons	Styles buttons with specific colors, padding, and rounded corners.
7	box-shadow	Adds shadows to elements like cards and testimonials for a 3D effect.
8	z-index	Controls stacking order for overlapping elements like navigation menus.

JavaScript:

Sl. No	Concept Used	Description
1	document.addEventListener	Executes code when the DOM content is fully loaded.
2	querySelectorAll	Selects all elements matching a specific CSS selector, such as testimonials.
3	addEventListener	Attaches event handlers to elements like buttons (e.g., carousel navigation).
4	DOM Manipulation (style)	Dynamically changes element styles, such as hiding or displaying navigation links in the hamburger menu.
5	function	Creates reusable blocks of code, such as toggling the navigation menu or switching testimonials.
6	Event handling (click)	Detects and responds to user actions, such as clicking a button.
7	Array.forEach	Iterates over all testimonial items to hide or show specific ones based on index.
8	Modular functionality	Groups related code for carousel and navigation menu functionalities into functions.