Front-End Development Project Plan

TRACK 1: HTML + CSS

Goal: Build User Interfaces using only HTML and CSS.

Sub-Track 1: Form Section

Goal: Build a professional form UI.

Task	Description
Create Form Fields	Create a form with Name, Email, Phone, and Password fields.
Apply Color Theme	Apply a proper color theme to the form.
Center Form	Center the form horizontally and vertically on the page.
Responsiveness	Make the form fully responsive (mobile + desktop).
Effects	Add hover and focus effects on inputs and the submission button.

Sub-Track 2: Hero Section

Goal: Build a landing page hero section.

Task	Description
Heading and Subheading	Create a hero section with a clear heading and a descriptive subheading.
Call-to-Action	Add a prominent call-to-action button.
Background Styling	Add a background color, gradient, or relevant image.
Content Alignment	Align content properly using Flexbox or Grid for layout.
Responsiveness	Ensure the hero section is fully responsive across devices.

Sub-Track 3: Navbar Section (Chosen for real-world relevance)

Goal: Build a professional navigation bar.

Task	Description
Logo and Menu Items	Create a navbar with a distinctive logo and essential menu items.
Alignment	Align the logo on the left and the menu items on the right.
Effects	Add visual hover effects on the menu items.
Styling	Apply proper spacing, padding, and overall professional styling.
Responsiveness	Make the navigation bar fully responsive, including a mobile menu toggle.

TRACK 2: HTML + CSS + JavaScript

Goal: Add functionality and interactivity.

Sub-Track 1: Form Functionality

Goal: Implement client-side form interaction.

Task	Description
Capture Input Values	Capture all form input values using JavaScript upon submission.
Prevent Default	Prevent the default browser reload action upon form submission.
Display Data	Display the captured submitted data on the current page.
Clear Form	Clear all input fields in the form after a successful submission.
Show Success	Display a brief success message to the user after submission.

Sub-Track 2: Hero Section Interactivity

Goal: Introduce dynamic elements to the hero section.

Task	Description
Detect Click	Use JavaScript to detect a click event on the call-to-action button.
Show Alert	Display an alert message to the user when the button is clicked.

Task	Description
Dynamic Text	Change the main hero heading/subheading text dynamically using JavaScript.
Background Change	Change the background color or gradient of the hero section on button click.
Add Dynamic Element	Dynamically add a new visual element (e.g., an icon, badge) to the hero section using JS.

Sub-Track 3: Navbar Interactivity

Goal: Enhance navigation usability.

Task	Description
Detect Menu Item Click	Use JavaScript to detect a click on any of the navbar menu items.
Change Color	Temporarily change the text/background color of the clicked menu item.
Show Active State	Implement logic to show a persistent 'active' state on the current menu item.
Toggle Menu	Implement a function to toggle the visibility of the mobile menu using a button.
Add New Item	Dynamically add a new menu item to the navigation bar using JavaScript.