

FRONTEND INTERNSHIP

Week Three

Round 5



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Task one : Shopping Cart

- Login and Logout Page:
 - Create a login page for the user with email and password input fields.
 - Create a logout page for the user with a welcome message and a logout button.
 - User data should be saved in Local Storage to ensure that they remain logged in when the page is reloaded or visited again.
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- Home Page:
 - Create a home page with a collection of products of your choice.
 - Each product should have a name, image, description, and price.
 - Add an “Add to Cart” button to each product.



Task one : Shopping Cart

- Create a shopping cart page that displays the products that the user has added to the cart.
- The cart should be updated as new products are added or existing products are removed.
- Calculate and display the total prices of the products in the cart.
- Use HTML and CSS to build and design the pages.
- Use either Bootstrap or CSS Tailwind to style the pages and make them responsive.
- Points to consider:
 - Make sure that the user cannot access the home page or the shopping cart page without logging in.
 - Save the data of the products added to the cart in the Local Storage to ensure that they are not lost when the page is reloaded.
 - Taking care of the user experience by designing an easy-to-use and attractive user interface.



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Task Two : Js Quiz



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Task Three: Solve The Following Problems

Exercise 1: Filtering an Array

Problem: Write a function that takes an array of numbers and returns a new array containing only the even numbers.



Exercise: 2 Find the Largest Number

Problem: Write a function that takes an array of numbers and returns the largest number in the array.



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Task Three: Solve The Following Problems

Exercise: 3 Reverse a String

Problem: Write a function that takes a string as input and returns the same string but reversed.



Exercise: 4 Remove Duplicates

Problem: Write a function that takes an array of numbers and returns a new array without duplicate numbers.



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Task Four: Create a Video on OOP Principles in Js

Create a short video of no more than 5 minutes explaining the principles of Object-Oriented Programming (OOP) using JavaScript. The video should cover key concepts such as Objects, Classes, Inheritance, and Encapsulation, with simple examples demonstrating each principle. The goal is to explain these concepts in your own way based on your understanding. You can use any language you're comfortable speaking.

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

Deadline : Monday 30 Sep

