JavaScript Interview Questions Based on Your Project

1️⃣ Closures & Encapsulation

- What are closures in JavaScript? Can you give an example?
- How does closure help in data encapsulation?
- How does your `createCart()` function use closures?

2️⃣ Higher-Order Functions

- What are higher-order functions in JavaScript?
- How does the `debounce` function in your project demonstrate a higher-order function?
- Can you write a higher-order function that takes another function as an argument?

3️⃣ Local Storage

- What is `localStorage` in JavaScript?
- How does `localStorage` differ from `sessionStorage` and `cookies`?
- How is `localStorage` used to persist cart data in your project?

4️⃣ Array Methods

- How do `map()`, `filter()`, and `reduce()` work?
- Can you explain how `filter()` is used to remove products from the cart?
- What is the purpose of `reduce()` in calculating the total price?

5️⃣ Event Delegation & Event Listeners

- What is event delegation in JavaScript?
- How does event delegation improve performance?
- How is event handling implemented in your project?

6️⃣ Async/Await & Fetch API

- How does `async/await` work in JavaScript?
- What is the difference between `async/await` and Promises?
- How does your `fetchProducts()` function handle API requests?

7️⃣ Error Handling (Try...Catch)

- How does `try...catch` work in JavaScript?
- Why should we use error handling when making API calls?
- How is error handling implemented in your project?

8️⃣Template Literals

- What are template literals in JavaScript?
- How do template literals improve readability over string concatenation?
- How are template literals used in rendering product lists in your project?

9️⃣Debouncing

- What is debouncing in JavaScript?
- How does the `debounce()` function work?
- Why is debouncing useful in search input fields?

🔟 JavaScript Execution Context & Scope

- What is an execution context in JavaScript?
- What is the difference between function scope and block scope?
- How do `let`, `const`, and `var` behave differently in terms of scope?