

**Objective:** The goal of this assignment is to build a functional shopping cart using React. You will implement various components, manage state effectively, and use advanced concepts like context, reducers, portals, and refs.

## **Instructions:**

Follow the step-by-step guidelines below to complete the assignment:

### **1. Project Setup - Used Vite**

- Set up a new React project using Vite or Create React App.
- Install necessary dependencies.

### **2. Component Creation**

- Create a **Header** component that includes a cart button. - **Done**
- Design a **Meals** component to display a list of available meals. - **Done**
- Develop an **IndividualMealItem** component to display each meal. - **Done**

### **3. Implementing Forms & Modals - Done**

- Add a form for users to add meals to the cart.- **Done - used simple stepper to increment and decrement from 0 to 5 items and add button to directly save in context.**
- Create a **Cart** component to display selected items. - **Done - used modal in header instead**
- Use a **React Portal** to display the cart as a modal. - **Done - used react bootstrap modal**

### **4. State Management**

- Manage cart and modal state effectively using React state and props. - **Done - used context to directly access the cart data, local storage to overcome refresh issue**

- Implement a **cart context** to manage global cart data. - **Done**
- Use the created context inside necessary components.- **Done**

## 5. Using Reducers - **Done - used state instead which was more easy to use for me**

- Implement a reducer function to handle cart operations (adding and removing items).
- Extend the reducer logic to handle more complex scenarios.

## 6. Working with Refs - **Done - directly used state**

- Use **Refs and Forward Refs** where applicable in form handling.

## 7. Outputting and Updating Cart Items - **Done - used context function to remove items from cart, also displayed table on modal**

- Display selected cart items dynamically.
- Allow users to remove items from the cart.

## Submission Requirements:

- Push your code to GitHub and share the repository link. **Done**  
**Netlify deployed url: <https://rajansah-zomato-lite.netlify.app/>**
- Provide a brief report (1-2 pages) explaining your implementation process and challenges faced. - **Faced challenges like if we use two useEffect then the useEffect which is defined first then that will run first. (I know it was silly misconception in my mind that both will run)**
- Ensure proper UI styling and responsiveness.