React-7

**Project Title: ShoppingApp – React Application using Props**

**Objectives**

* Define and understand the use of **Props** in React.
* Explain the concept of **Default Props**.
* Identify the **differences between State and Props**.
* Explain the usage of **ReactDOM.render()** method.

**Learning Outcomes**

Upon completion of this lab, the learner will be able to:

* Pass and utilize props in a React component.
* Render React elements using ReactDOM.render().

**Prerequisites**

To perform the steps in this lab, the following tools must be installed:

* Node.js
* NPM
* Visual Studio Code

**Estimated Time**

* Approximately 60 minutes.

**Implementation Steps**

1. **Project Setup**
   * Create a new React application named shoppingapp using create-react-app.
2. **Component Structure**
   * Define two **class components**:
     + OnlineShopping
     + Cart
3. **Cart Component**
   * Inside the Cart class, define the following **props**:
     + Itemname
     + Price
4. **OnlineShopping Component**
   * Inside OnlineShopping, create an **array of objects** of type Cart.
   * Initialize the array with **five items** containing item names and prices.
5. **Display Data**
   * Use **loops** to iterate through the array and **render each item’s details** (name and price) within the component.