Project 3: React and Firebase

Building an online store:'Yarnspiration"

Pseudo Code:
1. Make a React project folder:
 1.a) npx create-react-app yarnspiration

2. Create a firebase app
        2.a) create an object for inventory; fill it with product information
                inventory{
                        product_name:
                        weight:
                        length:
                        knitting_gauge:
                        fiber:
                        price:
                        image:
                }
        2.b) create an empty object for Cart. Inventory items will be pushed to cart later in
code.

3. Connect Firebase data to React project:
        3.a) import firebase to the package.json file
        3.b) initialize firebase with the web app's firebase configuration
        3.c) create a firebase component export it and import it to App.js

4. Display product on the page:
        4.a) get the inventory from firebase (firebase.database().ref('/inventory');
        4.b) store the inventory object as an array of objects.
        4.c) Use .map() to iterate through the array of products and return the key value
pairs of each   product.
        4.d) In App.js under return write a component called YarnInventory and pass the
information   from the inventory to the component as props.
        4.f) create a component file under src called YarnInventory export it and import it to
the App.js
        4.g)Return a ul with an li for each product and pass in the props (image,
price,product_name)
        4.h) add a button to each li that says "Add to Cart"

5. When user clicks "Add to Cart" firebase will move one product from inventory to the
cart database.
        5.a)get the cart database (firebase.database().ref('/cart');
        5.b)track the products going into the cart: import the useState hook in order to
keep track of
                what the user has placed in the cart. Make the base value an empty array

5.c) write a function (handleCart) to .push() the inventory to the empty cart array. I want the

        product name and price added to this database.

      5.d) put the handleCart function on the button so that it is called only when user adds product to   cart.

6. Display updated cart on the page:

      6.a)create a component called ShoppingCart

      6.b) export the component and import to the App.js

      6.c) in the ShoppingCart component under return write a table showing product and price. (is a

        table a good option here? I haven't used it before)

      6.d) the props added to the Shopping cart will be {inventory.price} {inventory.product_name}