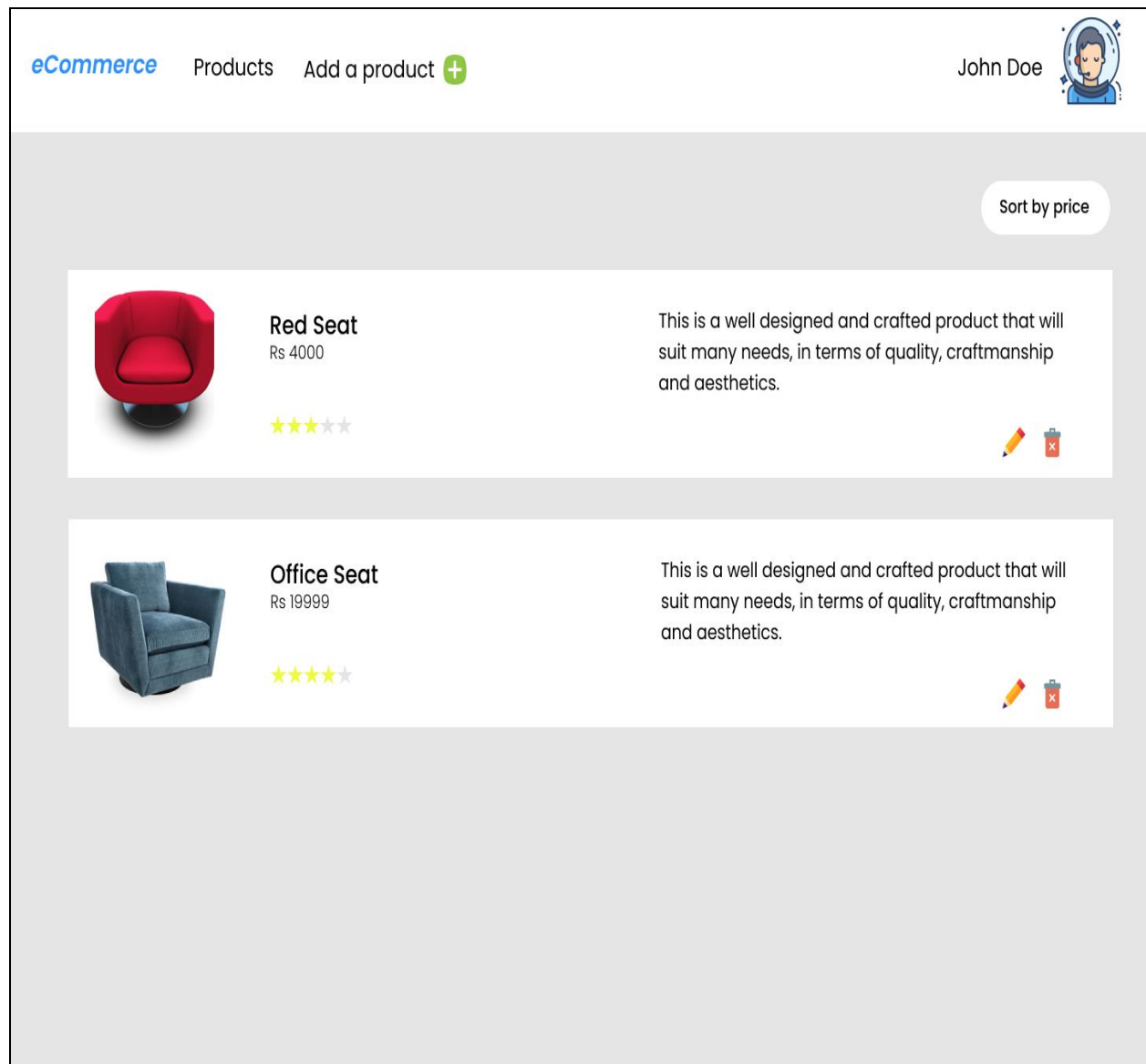# React Test III

Problem statement

Create the frontend for an ecommerce website. You can check out the mockups down below.

Instructions

- Use the following service to create a dummy ecommerce api service (create good amount of data): https://my-json-server.typicode.com/
- Functionality
  - Navbar
    - Show cart items count
    - Show relevant navigation links
  - All products page
    - Show list of products from the API (using the above server)
    - Each product is editable by clicking on the *"pencil"* button. And we can edit that product inline. On finish editing the product, show some sort of Alert/Notification
    - Each product is deletable, on clicking of the delete button you should delete the product and show some sort of Alert/Notification
    - Implement a sort button. On clicking it should sort by *"price"* and show a cross button just beside it (see the sort view). On clicking the cross button remove the sort.
    - Give button to add a product to cart
  - Create page
    - On clicking of the Add button add the product in the DB, and show some sort of Alert/Notification
  - Product detail page
    - Show all the details of a product
    - Give button to add a product to cart
  - Cart page
    - Show all the items in the cart
  - Handle errors and success alerts etc.
  - Handle errors as well from the API and show appropriate Alert/Notification
  - You can use react router if you want. It's not mandatory.
  - You have to use redux. It's mandatory.
  - Bonus feature: Make the redux data persistent such that after refresh, the cart items etc remains same

- You are **<u>ALLOWED</u>** to style the app the way you like. Do whatever you want with the styling. **<u>ONLY</u>** the functionality should work.
- You are **<u>ALLOWED</u>** to google and read how to approach the problem
- **<u>DO NOT</u>** copy and paste code from the internet
- **<u>DO NOT</u>** cheat with other students, I am trusting you all for this one!
- Once you have finished with the test, make a video recording your computer screen (via phone or a software like OBS/screencastify etc) and explaining how you have approached the problem **in code and showing the final product**. The video can be **<u>UPTO 3 mins</u>** long. *<u>Please don't record videos longer than that.</u>*
- Upload the code to github.
- Host your code on github (using gh-pages)/netlify/firebase etc.. (This is mandatory)
- Once you have recorded the video ,upload it on youtube (unlisted or whatever), drive or wherever you want to upload it and then fill out this form - **<u>https://forms.gle/X9ftsuDJDxxaH6So9</u>** with the video link and the github link.

The App *(Zoom in to view the images properly)*

eCommerce   Products   Add a product ⊕   John Doe

Sort by price

Red Seat
Rs 4000

★★★☆☆

This is a well designed and crafted product that will suit many needs, in terms of quality, craftmanship and aesthetics.

Office Seat
Rs 19999

★★★★☆

This is a well designed and crafted product that will suit many needs, in terms of quality, craftmanship and aesthetics.

Sort price view

Sort by price

Red Seat
Rs 4000

★★★★★

This is a well designed and crafted product that will suit many needs, in terms of quality, craftmanship and aesthetics.

✏️ 🗑️

Office Seat
Rs 19999

★★★★★

This is a well designed and crafted product that will suit many needs, in terms of quality, craftmanship and aesthetics.

✏️ 🗑️

Edit product view (can edit description, name, price, rating)

eCommerce   Products   Add a product ⊕

John Doe

Sort by price

Red Seat
Rs 4000

Rating
3

This is a well designed and crafted product that will suit many needs, in terms of quality, craftmanship and aesthetics.

Cancel   Save

Office Seat
Rs 19999

★★★★☆

This is a well designed and crafted product that will suit many needs, in terms of quality, craftmanship and aesthetics.

Add product view

eCommerce   Products   Add a product ➕   John Doe

Add a Product

Name

Description

Price

Rating

Add