Frontend Test: React

Delivery Date and Method

You should share a public repository link via email.

Instructions

We're building an online shopping site from the ground up using HTML, Javascript + Typescript and CSS. You may use ReactJS.

The application should not have a backend.

This is what the application needs to do:

- Read a API file from the project with the list of available products, the quantity in stock, product type, and the price per unit.

- Define interfaces and use TypeScript to ensure type safety and improve code quality.

- Render the store layout with a dummy image in all the products. You can have any image in the project. We should be able to test the layout in a desktop screen and a iPhone X screen size.

- Have a cart that will be filled when clicking add to cart. If a product doesn't have enough stock it should not be added to the cart and a visual indicator should be shown.

- Generate a new JSON file once the order button is clicked. The JSON file should have the products, the quantity that will be bought, the total price per product, and the total price of the order. You are free to propose the result JSON structure.

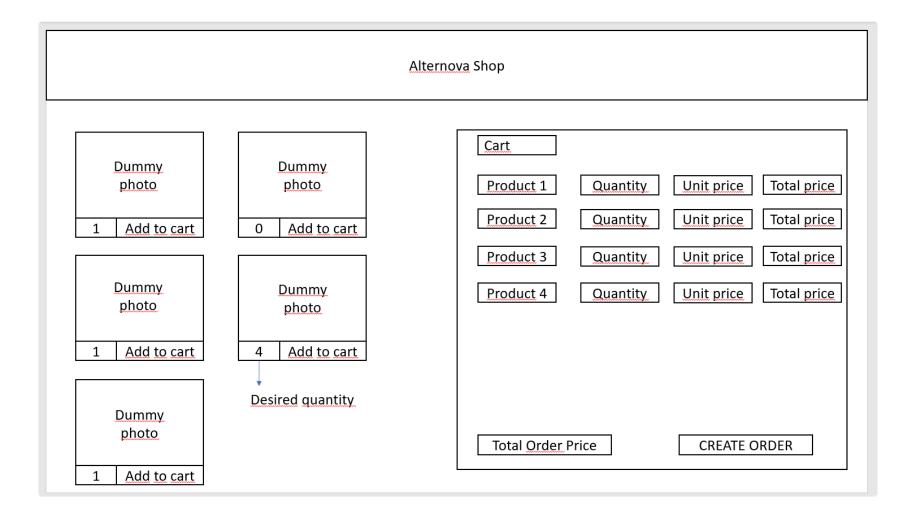- {Plus, it adds a filter by category and a product search engine

Hints

- API structure that the app should read:

```
{
  "products": [
    {
```

```
    "name": "iPhone 14 Pro Ma",
    "unit_price": 5000,
    "stock": 5,
    "type": "technology"
  },
  {
    "name": "Timon Racing Carrera",
    "unit_price": 8000,
    "stock": 2,
    "type": "technology"
  },
  {
    "name": "Control joystick inalámbrico",
    "unit_price": 1000,
    "stock": 1,
    "type": "technology"
  },
  {
    "name": "Bicicicleta Roadmaster",
    "unit_price": 1800,
    "stock": 1,
    "type": "sport"
  },
  {
    "name": "Bicicleta Todo Terreno",
    "unit_price": 200,
    "stock": 0,
    "type": "sport"
  },
  {
    "name": "Balon De Futbol",
    "unit_price": 120,
    "stock": 6,
    "type": "sport"
  },
  {
    "name": "Ducha Electrica",
    "unit_price": 120,
    "stock": 8,
    "type": "building"
  },
  {
    "name": "Gabinete De Baño",
    "unit_price": 650,
    "stock": 10,
    "type": "building"
  },
  {
    "name": "Mueble Sanitario",
    "unit_price": 900,
    "stock": 2,
    "type": "building"
  }

]
```

```
}
Copiar
```

- Mockup of the store:

Interview

We will schedule a call to present:

- What was the project about?

- Walk me through the code.

- You will be asked during the interview to put a NEW JSON file on the project and generate a new result JSON. The file will have the same structure but can be different in terms of quantity of products and product names.

- Building something that looks nice is a plus.

Good luck!!