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SE Engineer Development Task

Overview

We would like you to demonstrate your ability to consume a web API for data, and then present that information in a modern web framework. Please follow the instructions below to the best of your ability, let us know when completed, and we will have a call to talk through your solution with the team.

Tasks

- Utilize the following publicly available API to expose data to your application:

  - https://api.jsoning.com/mock/public

  - Reference: link

  - We will utilize the products endpoint, product detail, carts and users for this exercise.

- Create a project using your choice of the following JavaScript frameworks:

  - Angular

  - React

  - Vue

  - Next.js

- Create a home page that has two buttons, one for products and one for carts.

- Products

  - When the user clicks on the products button, list of all the products in a table or a card-view. This can be done on the same page (SPA) or by routing the user to a 'products' route/page.

  - The table/card should list the basic information for the product:

- Name

- Price

- Category

- Number in-stock.

  - Each row/card should allow the user to click on it, in which all of the information for the product is displayed:

    - Name

    - Price

    - Category

    - Description

    - Number in-stock

    - Rating information

    - Image URL (there are not actually images for these URLs)

    - SKU

  - The user should be able to dismiss/collapse the detail view.

  - Implement an 'Add' button that would be used to add a new product. This should open a form with all of the fields necessary to create a new Product.

    - When the user completes the form, and saves the product, provide the user with a success message that the product has been added and dismiss the form. (there is no backend for adding a product, this is just to show form validation.)

    - Please ensure that all fields for the product are mandatory in the form.

- Carts

  - When the user clicks on the carts button, list all of the carts in a table or card-view. This can be done on the same page (SPA) or by routing the user to a 'carts' route/page.

  - The table/card should list the basic cart information:

- User first name and last name

- Date

- Status

- Number of items in the cart

  - Each row/card should allow the user to click on it, in which all of the information for the cart is displayed:

    - User first name and last name

    - User email

    - User City, State and Zipcode

    - User Phone

    - Products that are in the cart and their quantity

      - Product name

      - Product description

      - Quantity

You can use any libraries that you would like to aid in this task, and it is a plus if you utilize TailwindCSS for styling.

Please commit your code to a public repository that can be shared, and host your solution where it is publicly available - please use a free service.