

React Developer – Problem Statement

E-commerce Site

Design and develop a simple e-commerce product page in React. User should be able to view set of products along with the details and should be able to add them to their shopping cart.

Page Elements

1. Static Header and footer for the page. Header contains some logo, aligned left. Footer contains some simple text
2. Catalog:
 - a) List all the products on this page, center aligned. Make it look like the products displayed [here](#) , 4 products per row
 - b) **Info about the product is displayed below the image followed by an “Add to cart” button**
3. Cart
 - a) Visible as icon in header, right of the page
 - b) Click on icon shows the actual cart in a **popup**
 - c) Popup displays the products along with the name, quantity added, price and total items

Page behavior and API

1. Fetch products from [mock API service](#)
2. When you add product, cart should get updated; available quantity should decrease.
3. When you remove an item from cart, cart should get updated; available quantity should increase
4. If a product max quantity is added, “Add to cart” button for that product is disabled
5. Refreshing the page resets the cart to empty

Please Note

1. Make sure you code is in working state for submission
2. Code should be well commented and structured, follows generic React coding standards
3. Provided API integration is a must.
4. Functions should be in testable state and not too cluttered.
5. Focus on placing the elements neatly on the page, rather making it look extra beautiful. Responsive behavior is important

Bonus (optional to complete)

1. Write few unit tests. At least 1 function should show all possible cases.
2. Host your code on a [GitHub](#) repo, available to clone
3. Include a readme.md file that explains how to setup the project
4. Cart icon to show total product quantities added to the cart by user. Default 0.