**React coding test**

Test duration: 1 hour 30 mins.

1. **Algorithm Test:**

**Median of Two Sorted Arrays**

Given two sorted arrays nums1 and nums2 of size m and n respectively, return **the median** of the two sorted arrays.

The overall run time complexity should be O(log (m+n)).

**Example 1:**

**Input:** nums1 = [1,3], nums2 = [2]

**Output:** 2.00000

**Explanation:** merged array = [1,2,3] and median is 2.

**Example 2:**

**Input:** nums1 = [1,2], nums2 = [3,4]

**Output:** 2.50000

**Explanation:** merged array = [1,2,3,4] and median is (2 + 3) / 2 = 2.5.

**Example 3:**

**Input:** nums1 = [0,0], nums2 = [0,0]

**Output:** 0.00000

**Example 4:**

**Input:** nums1 = [], nums2 = [1]

**Output:** 1.00000

**Example 5:**

**Input:** nums1 = [2], nums2 = []

**Output:** 2.00000

1. **Frontend Test:**
2. Create a cart system using **React and Redux must**
3. You can use json file for the products, which is attached with this email
4. Use any UI library you prefer
5. The final goal is to show the total cart count, users can update the quantity of the products are added to the cart, added products to the cart and have a checkout button which will reset the cart items data