TEST REPORT

Testing Environment:

Component	Details
Programming Language	JavaScript
IDE	VS Code
Build Tool	NPM (Node Package Manager)
Testing Framework	Jest
Version Control	Git & GitHub
Frontend	HTML, CSS, JavaScript
Backend Framework	Express.js

All Tests :

PASS test/sweetShop.test.js

- Sweet Shop - Add Sweet
  √ should add a new sweet with name and quantity (2 ms)
- Sweet Shop - Update Sweet
  √ should update the details of an existing sweet (1 ms)
  √ should not update if sweet ID does not exist
- Sweet Shop - Delete Sweet
  √ should delete a sweet by ID
  √ should return false when deleting a non-existent sweet
- Sweet Shop - Search Sweets
  √ should search sweets by name
  √ should search sweets by category (1 ms)
  √ should search sweets by price range (1 ms)
- Sweet Shop - Sort Sweets
  √ should sort sweets by price ascending
  √ should sort sweets by price descending
  √ should sort sweets by category ascending (A-Z) (11 ms)
  √ should sort sweets by category descending (Z-A)
- Sweet Shop - View Sweets
  √ should return all sweets in the shop
  √ should return an empty list if no sweets are available (1 ms)
- Sweet Shop - Purchase Sweets
  √ should decrease quantity after purchase
  √ should throw error if purchase quantity exceeds stock (16 ms)
  √ should throw error if sweet ID not found (1 ms)
  - Sweet Shop - Restock Sweets
    √ should increase quantity when restocked (1 ms)

√ should throw error if sweet ID not found (1 ms)
√ should throw error if restock quantity is not positive (1 ms)

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Test Suites: 1 passed, 1 total
Tests: 20 passed, 20 total
Snapshots: 0 total
Time: 0.493 s, estimated 1 s
Ran all test suites.

Frontend of Sweet Shop :