Task 1: TDD Sprint

Objective: Build a complete feature using AI-assisted TDD

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Implemented Feature: Shopping Cart

1.Generate comprehensive failing tests using AI:

* I want to build a shopping cart application where we can add the items in the cart and calculate total cost of the added items in the cart.
* Create a failing testcase using Jest that:

1. Adding the items in the cart
2. Total cost of the added items

2.Implement minimal code to pass tests

* Create the simplest add function that will make these tests pass.Don't over-engineer it, just make it work.

3.Refactor with AI assistance

* Ok now can you improve the code and its quality while keeping the all testcases passing?

1. Add the items in the cart

2. Each added can be removed or added again

3. Once a item is added in the cart calculate the price of the total items added in the cart

4. Error handling

5. Code documentation

Success Criteria:

1. 100% test coverage

2. All testcases are passed

3. Code is maintainable and readable