**Project 1: Console-Based Java Program**

**Problem statement:**

Design a simple console-based Java program for a Retail Shopping Cart. The program should allow users to add products to their cart, view the cart, and calculate the total cost of items in the cart. This level aims to provide a foundational understanding of Java programming and basic user interactions.

**Functional ask:**

1. Users should be able to add products to the shopping cart by entering product details (name, price, quantity).
2. The program should display the current contents of the cart.
3. Calculate and display the total cost of items in the cart.

**Non-Functional ask:**

1. The program handles invalid inputs gracefully and provide appropriate error messages.
2. Code should follow best practices for readability and maintainability.
3. Demonstrate basic error handling techniques in Java.

**Technical ask:**

1. Implement a class-based structure for products and the shopping cart.
2. Utilize Java standard input/output for user interactions.
3. Implement exception handling for input validation.