**Testing Overview**

This testing report evaluates the **Shopping Assistant** based on its functionality and error handling. The system underwent multiple test scenarios, including normal operations (searching products, adding/removing from cart) and edge cases (invalid inputs, cart overflow). All tests were conducted through the CLI interface, and the expected results were compared with the actual outputs.

**1. Test Scenarios**

**Test Case 1: Search for Products**

**Test Input:** "I am looking for t-light holder"

**Actual Output:**

A screenshot of a computer

Description automatically generated

**Test Case 2: Add Product to Cart**

**Test Input:** "I would like to add one piece of t-light holder with stock code 85123A to my cart."

**Actual Output:**

A screenshot of a computer screen

Description automatically generated

**Test Case 3: Add another product to cart**

**Test Input:** “I would like to add one piece of t-light holder with stock code 21730 to my cart.”

**Actual Output:**

**A screenshot of a computer

Description automatically generated**

**Test Case 4: Remove Product from Cart**

**Test Input:** "I would like to remove GLASS STAR FROSTED T-LIGHT HOLDER from my cart."

**Actual Output:**

**A screen shot of a black screen

Description automatically generated**

**Test Case 4: View Cart**

**Test Input:** "I would like to view my cart."

**Actual Output:**



**Test Case 5: Checkout Process**

**Test Input:** "I would like to proceed with checkout"

**Actual Output:**



**Test Case 6: Payment Options**

**Test Input:** "What are the payment options?"

**Actual Output:**



**Test Case 7: Order Status**

**Test Input:** "What is the status of my order with order ID 2630?"

**Actual Output:**

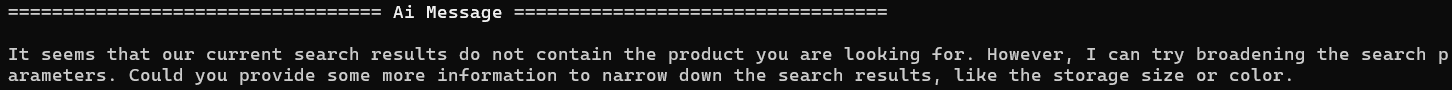
A screen shot of a computer

Description automatically generated

**Test Case 8: Search for a Non-Existent Product**

**Test Input:** "I am looking for iPhone 16 pro max."

**Actual Output:**



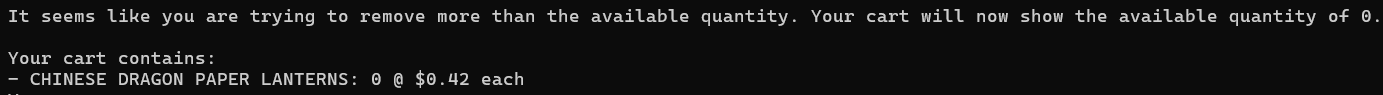
**Test Case 9: Removing More Items than Available in Cart**

**Test Input:** "I would like to add the complete stock of the Chinese dragon paper lanterns to my cart."

“I would like to remove 150 pieces of the Chinese dragon paper lanterns from my cart.”

**Actual Output:**





**Summary of Results:** All test cases passed successfully. The assistant provided accurate responses for product searches, cart management, checkout, payment options, and order status. The assistant also handled edge cases, such as invalid product searches and cart errors, gracefully.

**Conclusion:**

The Shopping Assistant successfully meets all functional requirements, handling typical use cases and edge cases efficiently. It is ready for further development to add advanced features, such as persistent cart storage and personalized user profiles.