**Kevin Gutierrez – CSCI 430 – Project 1 Final Implementation Group 12 -** 10/21/2025

**Work sharing percentage:**

Everyone else in my group: 0%

Me: 100%

I wrote **all** the code for the final implementation, as in **every single line** you see in the final implementation, there is not much to elaborate on there. Feel free to see my git repository commit history for details.

**Where to find code:**

The code can be found in my git repository (Kevin Gutierrez [LF1185YF]): <https://github.com/St-Cloud-State/full-sample-code-for-project-1-kygm/tree/main>

**Video of testing:**

<https://mediaspace.minnstate.edu/media/Csci430Project1FinalImplementation/1_bzryct2m>

**Testing Table:**

|  |  |  |
| --- | --- | --- |
| Operation Performed | Expected output | Actual output |
| Create five clients: C1 thru C5 | Client added successfully response for each client | Client added successfully response for each client **OK** |
| Print/display all clients | ID: C1, Name: … Balance: $0.00  For all clients | ID: C1, Name: … Balance: $0.00  For all clients **OK** |
| Add five products, p1 qty = 10, price = $1, p2 qty = 20, price = 2… thru p5 qty = 5, price = $5 | Product added successfully response for each product | Product added successfully response for each product **OK** |
| Print/display all products | ID: P1, Name: bubblegum, Quantity: 10, Price: $1.0  thru ID: P5, Name: book, Quantity: 50, Price: $5.0 | ID: P1, Name: bubblegum, Quantity: 10, Price: $1.0  thru ID: P5, Name: book, Quantity: 50, Price: $5.0 **OK** |
| Add 5 of p1 to c1 | Wishlist item added. | Wishlist item added. **OK** |
| Checkout client c2 | Client charged, checkout completed successfully | Select an option: 7  Enter client ID for checkout: C2  Client Test2 charged $49.0. New balance: $49.0  Transaction completed. Total: $49.0  Checkout completed successfully. **OK** |
| Display all transactions | --------------------------------------------------  Transaction ID: T1  Client ID: C2  Products: P1, P2, P4  Total: $49.00  Date: 2025-10-21 23:13:31  -------------------------------------------------- | --------------------------------------------------  Transaction ID: T1  Client ID: C2  Products: P1, P2, P4  Total: $49.00  Date: 2025-10-21 23:13:31  -------------------------------------------------- **OK** |
| Record a payment of $100 for client c1 | Payment of $100.0 recorded for Test1. New balance: $-60.0 | Payment of $100.0 recorded for Test1. New balance: $-60.0 **OK** |