**Testing Verification Document**

This document confirms and explains the specifications for the program.

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| **Programmer Names** | Logan Baldwin, Parker Matchett |
| **Completion Date** | 2025-04-10 |

We have tested our project for the following specifications and indicated whether the program works as specified by placing **blue check mark** to indicating meeting the specification or **X** for not working. We have explained how the specification was met or indicated what is missing from the project.

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| **Spec** | **Description** | or **X** |
| **Forms** | Three created, centered on the screen with logo at top right. Both student names on form titles. Same font and design for each. |  |
| **Explain:** | *How data is sent between forms. Type here.* |  |
| **Login**  **Form** | Class structure of users. Login information read from file. Admin can change products, customers can order. |  |
| **Explain:** | *What happens if: (type here)*   1. *file issues, use of exception handling* 2. *user cannot login* 3. *admin logs in* 4. *customer logs in* |  |
| **Static Classes** | Static classes used for files and data validation. |  |
| **Explain:** | *Type here.* |  |
| **Product** | Class structure of products. Reading from file. |  |
| **Explain:** | *What happens if: Type here.*   1. *file issues, use of exception handling* 2. *how products are displayed to choose* |  |
| **Operator**  **Overloading** | Overload a mathematical and one relational operator |  |
| **Explain:** | *Math operator overloaded and when it is called. Type here.*  *Relational operator overloaded and when it is called. Type here.* |  |
| **Structures** | One list, using polymorphism to manage the collection. |  |
| **Explain:** | *List: type, scope, use and how it is updated and displayed. Type here.* |  |
| **Interface** | One built-in interface OR created interface. |  |
| **Explain:** | *Interface chosen, what it does and how it is called within program. Type here.* |  |
| **Checkout**  **Form** | Customer has selected items and is ready to place order. |  |
| **Explain:** | *How check out form works, class and file populated, how products get updated. Type here.* |  |
| **Design** | Design consistent throughout all forms (font, layout). |  |
| **Explain:** | *Type here.* |  |
| **Repeated Code** | Created methods for repeated code. |  |
| **Explain:** | *List methods. Type here.* |  |
| **Unit Testing** | Test one method with two pathways in one of the classes. |  |
| **Explain:** | *List class and method selected. Type here.* |  |
| **Submission** | Includes 4 files: memo, zip of solution, video of test cases, testing verification document |  |
| **Explain:** | *Submission as indicated. Type here.* |  |