

# Final Report

## Methods and Tools in SW Development

### I. Group Information

Group Number: <insert number here>

Group 8

Group Member names/netIDs:

- Matthew Morgan
  - Dmm765
- Robert Gilliland
  - Rsg196
- Han Berdivev
  - Hb1136
- Brook Tebeje
  - Btt109

Group GitHub/GitLab repo link: <insert link here>

<https://github.com/han191299/Methods-Tool-GroupProject-Fall2022>

Who was assigned to do what?

## II. Updated Detailed Class Diagrams

When creating your project, did any of your classes change? Why did they have to change? Were the changes adding or removing items?

We have essentially changed all the class diagrams the only one not changing is the Account class diagram. We made two changes to Inventory class the first being taking out the Show\_electronic\_inventory() because we realized that we only needed one category for a four person group and this will make the programing aspct a little lighter on our group. The second change we made to the inventory class was the removal of Edit\_stock() because of a meeting we had with Mrs. Neal we found out that we only needed to handle the customer side of things and not the administrative side. The biggest change that was made was the complete removal of the Item Category class the reason for this was because like mention before we moved from multiple categories of products to just one. Now that the Item Category is removed we must meet the 4 class requirement so we made a Review class this class will allow User to leave reviews of the website.

Account has no change

Inventory- only has the displayBooks function

Shopping Cart- only has the "clear cart" funtion taken out

Item Category- was completely removed

Review- replaced the Item Category

\*\* after this point, add any class diagrams for classes that did change. Make sure it's the entire diagram, not just the items that were added/removed/edited -- one class diagram per page

Shopping Cart
ItemID Cost Stock Classification
AddItem() RemoveItem() CalculateTotal() <ul style="list-style-type: none"><li>• ClearCart()</li></ul> Checkout() PrintCart()

AddItem()- the ability to add item to the cart

RemoveItem()- the ability to remove item to the cart

CalculateTotal()- Calculate the total price of items in cart

- ClearCart()- get rid of all items in cart

Checkout()- Checkout the items

PrintCart()- show the contents of the cart

Inventory
Cost ItemID Classification
Show_books_inventory()

- Show\_books\_inventory()- shows the inventory of the books

Review
Rating Reviewer Name Content
Add_Review() Remove_Review() Organize()

Add\_Review()- gives you the ability to add a review

Remove\_Review()- lets you take down your review

Organize()- gives you the option to order the reviews in ascending or descending order

### **III. Conclusions**

If you were to flesh out your project more, what requirements do you think could be added?

Are there any overall design choices you wish you could have changed in hindsight? What are they and why?

What difficulties did your group have?

What did your group learn overall from the project?