

CIS22B FINAL PROJECT

- a. Requirements analysis.*
- b. UML diagrams.*
- c. Readable pseudo-code properly formatted (included in part A)*
- d. Application screen shots demonstrating application behavior*

Part A:

Book:

Requirement Analysis: Needs to store book details. It should have set and get functions so that its contents are accessible.

Constructor: Take all set/get for the Book information.

-Get the exception handling for set Price and Cost.

Destructor:

-No return or parameter from Book

Member Variables:

string isbn;

string title;

string author;

string publisher;

string date;

Use exception handling for quantity, price and cost.

Member Functions:

-Initialize for all the strings as isbn, title, author, publisher, date.

-Set the try and catch to test the error for Price, Cost and Quantity.

Menu:

- Abstract base class

Member functions:

menu()

- menu is a pure virtual function and overridden by Cashier, Inventory and Report

Destructor

- virtual destructor, so that the right destructor is called

Cashier:

Purpose:

- For the Cashier class, the module works as the cash register which is input the information from the book that being purchased from the customers then calculates the sales tax and give out total price. Also the program will update all the quantity of the book from Inventory which is automatically subtracted from the Inventory Database.

Constructor:

- Make an newBook array and start to count the book in the cart.
- Make Book at Check out and subtotal start at the beginning.

Destructor:

- Delete the book from the previous transaction and count it again.

updateBookQty()

- function will automatically update the Quantity base on Database from Inventory.

addToCart()

- Update input quantity. Ask the user the proper quantity that they want to add to cart.
 - Have the remain Qty function to get the quantity from check out.
 - Have the calculation function to deduct the check out quantity from the Inventory.
- Then if the Inventory does not carry enough the quantity that the customers need then will give the message to let them input lower quantity.
- If the customers still one big quatity then let them know we reach the max of quantity that the Inventory has.

checkoutBooks()

- Using the string and struct function to get the information from the user for the receipt:

1. Address
2. Date to purchase
3. Number of book to check out
4. ISBN and Book Title
5. Subtotal
6. Tax
7. Total

For total we have the function to add the original Price with the retail Price times Tax.

Also we have the function to search the book by ISBN and Title so the customers can use either of them to find the book and add to cart..

Menu() - Cashier:

- Display all Book information and Receipt for the Cashier.

Print():

- Use Friend function and overload of ostream to get the info from the Inventory Data Base.

Inventory

Requirement Analysis: The Inventory Module is required to add, edit and delete books. To add books, it should be able to read from file or be added manually. It should also contain functions that can search for Books using its ISBN/Title.

Inventory Module: menu:

When we select 2 from main menu then it will open up Inventory module.

Inventory module will open up 5 options for user:

Case 1

Lookup

If user chooses option 1 then

- Ask the user whether he /she wants look up by ISBN or book Title
- If user chooses option 1 look up by ISBN
- Then need to call 'searchByISBN' function of inventory
- If it returns 'null' then it will pop up message "Book not found"

Else

- It will call "printbook" function of Book class to print book details.
- If user chooses option 2 look up by title
- Then need to call 'searchBytitle' function of inventory
- If it returns 'null' then it will pop up message "Book not found"

Else

- It will call "printbook" function of Book class to print book details.
- If user chooses option 3 look up by title
- It returns to main.

Case 2

Add book

If user chooses option 2 then

- First it will ask user book's ISBN number with validation

- Then it will ask user book's title with validation
- Then it will ask user book's author name with validation
- Then it will ask user book's publisher name with validation
- Then time and date will update automatically from the system
- Then it will ask user book's quantity, price and cost
- Finally it will call 'addBook' function of inventory to add book to the book database.

Case 3

Edit a book record

If user choses option 3 then

- At first it will ask user book's unique key ISBN number for searching book's details and it will call 'searchByISBN' function.
- If it returns 'null' then it will pops up message "Book not found"

Else

- It will call "printbook" function of Book class to print book details.
- Then it will ask user book's new title, author name, publisher name, (with validation) quantity, price and cost.
- Every time after user input it will call appropriate set functions for setting book's details newly to book database file. (Since date is setting automatically from system and ISBN number will be book's unique key so it's not asking book's new ISBN number from user.)

Case 4

Delete a book

If user choses option 4 then

- Then it will ask user to enter book's ISBN number for searching book's details and it will call 'searchByISBN'function.
- If it returns 'null' then it will pops up message "Book not found"

Else

- It will call "deleteBook" function of inventory to delete a book from book database file. And pops up appropriate message "Book deleted".

Case 5

If user choses option 4 then

- Program will return to main the menu.

- Return to main
- Pseudocode for Inventory class constructor:
- Allocate book-array to keep book information of all books in the inventory.
- Read the inventory file and populate book-array.

Inventory class destructor:

- Write the book-array with all modifications during the program run back to inventory file.
- Delete all book objects in the book array
- Pseudocode for member function of Inventory
- writeToFile:
- Open out file
- For all books in the inventory
- If book is there
- Write every field to the out file
- Checking last 'endl' which should not be added to the outfile.

addBook:

- Create a new book-object with the inputs given and store in book array.
- If the maximum size of the array is reached, error out saying we have no more space.

searchByISBN:

- For all books in the inventory
- Match the input isbn with the book's isbn
- If matched return that Book object
- If no book has matched return NULL

searchBytitle:

- For all books in the inventory
- Match the input title with the book's title
- If matched return that Book object
- If no book has matched return NULL

deleteBook:

- first search by ISBN
- if book is there delete the book object

reportofInventory:

- For all books in the inventory
- Prints the book details

inventory_Wholesale:

- For each book in the inventory
- Adding the Wholesale cost of the book
- Return the total

inventory_Retail:

- For each book in the inventory
- Adding the retail cost of the book
- Return the total

readfromfile:

- Reading every book field from files
- if missing any field throw exception saying it is a bad inventory file.
- else adding book to the Book object Array

getCurrBookcnt:

- Return the current number-of-books in the inventory
- getBook:
- Return the book details from Book array

updateQtyByISBN:

Update the quantity of the book

getLowercase

Converting all string input to lowercase

Report Module

Requirement Analysis: The report module is required to get each book store in the report module in order to sort it. In order to sort by the contents of the Book object, it will have to compare the same member variables (ISBN with ISBN) with other Book objects. It will then have to swap its positions, depending if it is higher or lower than the variable data in the other Book object. Lastly, it will have to print the Book object's details onto the screen.

Constructor

- Gets the current number of books and stores in the int numofbooks
- Uses the num of books to dynamically create an array of Book pointers
- Iterates through a for-loop, and calls the getBook function (from inventory class) and stores into the array

Destructor

- Deletes dynamically allocated memory

Member Variables:

Book ** copy – used to store array of book objects

int numofbooks – used to store the current number of books

Inventory copybook – used to call Inventory functions and store in Book** copy and int numofbooks.

Member Functions:

menu()

- No return type
 - Inherits this function and overrides the inventory version
 - Prompts user to select an option from menu (1-7) and uses input to pass to switch statement.
- 1. Inventory List
 - 2. Inventory Wholesale Value
 - 3. Inventory Retail Value
 - 4. List by Quantity
 - 5. List by Cost.
 - 6. List by Age
 - 7. Return to Main
- If user selects 1-6, the choice is passed to the sort function
 - After which, the print Report function is called
 - If user selects 7, they will return to the main menu
 - Selecting anything outside of 1-7 will loop back and prompt user again

sort()

- Takes one int argument (User's input and passed from the menu)
- Uses a nested for loop to sort the elements in the array
- Depending on the value of c, the switch statement will pass varying book details(ISBN/TITLE) to the compareNSwap function along with the integer values of x and j from the for-loop.

compareNSwap()

- Template function
- Takes four arguments
- The first 2 arguments(T one, T two) are book details and the second two(int x, int j) are the
- for-loop positions

- Uses a Book pointer temp to temporarily store Book object in the swap
- The if-statement compares the variables one and two and if one is greater than two, it will swap the positions.

printReport()

- Takes two arguments
- The first is a string that stores the name of the report
- The second is the choice from the menu
- Prints the report to screen (Varies depending on the choice)

Book:

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- If user chooses option 1 look up by ISBN
- Then need to call 'searchByISBN' function of inventory
- If it returns 'null' then it will pop up message "Book not found"

Else

- It will call "printbook" function of Book class to print book details.
- If user chooses option 2 look up by title
- Then need to call 'searchBytitle' function of inventory
- If it returns 'null' then it will pop up message "Book not found"

Else

- It will call "printbook" function of Book class to print book details.
- If user chooses option 3 look up by title
- It returns to main.

Case 2

Add book

If user chooses option 2 then

- First it will ask user book's ISBN number with validation

- Then it will ask user book's title with validation
- Then it will ask user book's author name with validation
- Then it will ask user book's publisher name with validation
- Then time and date will update automatically from the system
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- Finally it will call 'addBook' function of inventory to add book to the book database.

Case 3

Edit a book record

If user chooses option 3 then

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Case 4

Delete a book

If user chooses option 4 then

- Then it will ask user to enter book's ISBN number for searching book's details and it will call 'searchByISBN' function.
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- It will call "deleteBook" function of inventory to delete a book from book database file. And pops up appropriate message "Book deleted".

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 - 6. List by Age
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sort()

- Takes one int argument (User's input and passed from the menu)
- Uses a nested for loop to sort the elements in the array
- Depending on the value of c, the switch statement will pass varying book details(ISBN/TITLE) to the compareNSwap function along with the integer values of x and j from the for-loop.

compareNSwap()

- Template function
- Takes four arguments
- The first 2 arguments(T one, T two) are book details and the second two(int x, int j) are the
- for-loop positions

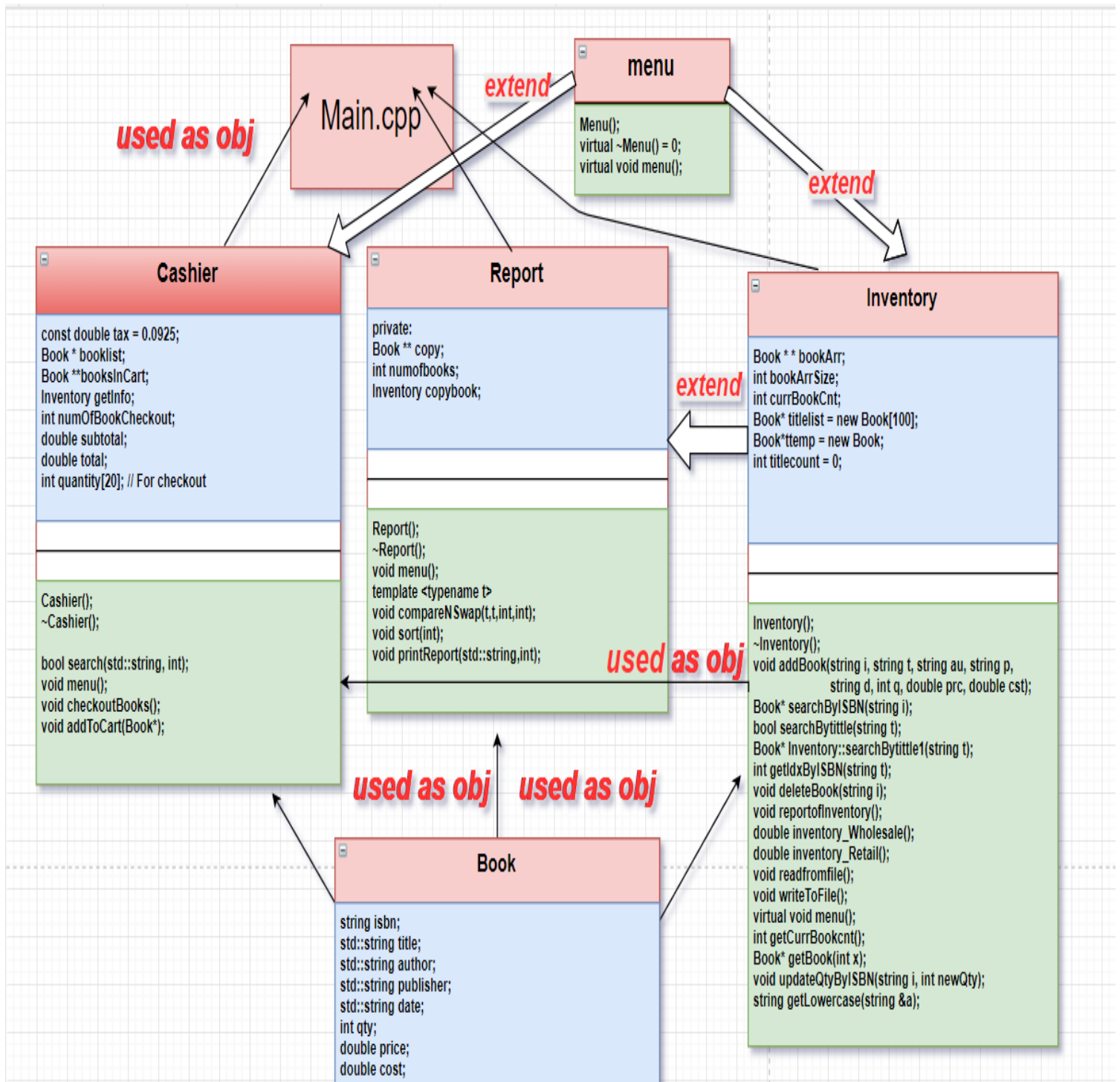
- Uses a Book pointer temp to temporarily store Book object in the swap
- The if-statement compares the variables one and two and if one is greater than two, it will swap the positions.

printReport()

- Takes two arguments
- The first is a string that stores the name of the report
- The second is the choice from the menu
- Prints the report to screen (Varies depending on the choice)

Part B:

UML diagram.



Part D:

Add Book inventory

```
C:\Users\Krshant\Desktop\22B_final_project_copy\Debug\22B_final_project.exe
Serendipity Booksellers
  Inventory Database
1. Look up a book.
2. Add a Book.
3. Edit a Book's Record.
4. Delete a book.
5. Return to Main
Please enter your choice
2
Book's isbn number:
978-1-891830-75-4
Book's title:
The Hunger game
Book's author name:
J. K. Rowling
Book's publisher:
Bloomsbury (UK)
Book's qty:
5
Book's price:
10
Book's cost:
10
Book already exists. Please use edit book function.Added book sucessfully
Press any key to continue . . .
```

Cashier Module:

```
C:\Users\Krshant\Desktop\22B_final_project_copy\Debug\22B_final_project.exe
Serendipity Booksellers
Cashier Module

1. Add book to cart using ISBN.
2. Add book to cart using book title.
3. Checkout.
4. Return to Main
Enter your choice
```

Select C:\Users\Krshant\Desktop\22B_final_project_copy\Debug\22B_final_project.exe

Book Found!

Book isbn number: 978-1-60309-405-4

Book title: The Hunger Games

Book author name: Suzanne Collins

Book publisher: Bloomsbury

Book date: 09/23/2010

Book qty: 19

Book price: 35.12

Book cost: 36.23

Add book to cart? (1 for Yes /2 for N)

1

Enter quantity:5

C:\Users\Krshant\Desktop\22B_final_project_copy\Debug\22B_final_project.exe

Serendipity Booksellers

123 Stevens Creek Blvd

20/6/2018

S/N	ISBN	Book Title	Quantity	Price	Total
1	978-1-60309-322-4	The Book Thief	5	19.74	98.70

Subtotal: \$ 98.70

Tax: \$ 9.13

Total: \$107.83

Thank you for shopping at Serendipity!

Press any key to continue . . .

C:\Users\Krshant\Desktop\22B_final_project_copy\Debug\22B_final_project.exe

Serendipity Booksellers
Inventory Database

1. Look up a book.
2. Add a Book.
3. Edit a Book's Record.
4. Delete a book.
5. Return to Main

Please enter your choice

4

You selected item 4

Book's isbn number:

978-1-891830-75-4

Book deleted

Press any key to continue . . .

C:\Users\Krshant\Desktop\22B_final_project_copy\Debug\22B_final_project.exe

Serendipity Booksellers
Inventory Database

1. Look up a book.
2. Add a Book.
3. Edit a Book's Record.
4. Delete a book.
5. Return to Main

Please enter your choice

3

You selected item 3

Enter Book's isbn number for edit book:

978-1-891830-75-4

Book isbn number: 978-1-891830-75-4

Book tittle: The Hunger game

Book author name: J. K. Rowling

Book publisher: Bloomsbury (UK)

Book date: 02/21/2016

Book qty: 5

Book price: 25.15

Book cost: 26.15

Enter book's new tittle:

1

Enter book's new author name:

1

Enter book's new publisher:

1

Enter Book's new qty:

1

Enter Book's new price:

1

Enter Book's new cost:

1

C:\Users\Krshant\Desktop\22B_final_project_copy\Debug\22B_final_project.exe

```
Serendipity Booksellers
  Inventory Database
1. Look up a book.
2. Add a Book.
3. Edit a Book's Record.
4. Delete a book.
5. Return to Main
Please enter your choice
```

C:\Users\Krshant\Desktop\22B_final_project_copy\Debug\22B_final_project.exe

```
Serendipity Booksellers
  Inventory Database
1. Look up a book.
2. Add a Book.
3. Edit a Book's Record.
4. Delete a book.
5. Return to Main
Please enter your choice

1. Look up a book by isbn number.
2. Look up a book by tittle.
3. Return to Inventory Menu
Please enter your choice

Enter book's tittle:
the book thief
Book isbn number: 978-1-60309-322-4
Book tittle: The Book Thief
Book author name: Suzanne Collins
Book publisher: Picador
Book date: 02/02/2015
Book qty: 30
Book price: 19.74
Book cost: 21.15

1. Look up a book by isbn number.
2. Look up a book by tittle.
3. Return to Inventory Menu
Please enter your choice
```

C:\Users\Krshant\Desktop\22B_final_project_copy\Debug\22B_final_project.exe

Serendipity Booksellers Main Menu

1. Cashier Module
 2. Inventory Database Module
 3. Report Module
 4. Exit
- Enter your choice:

C:\Users\Krshant\Desktop\22B_final_project_copy\Debug\22B_final_project.exe

Serendipity Booksellers
List By Age Report
Date:20/6/2018

S/N	ISBN	Title	Author	Publisher	Date Added	Quantity	Retail Price	Wholesale Cost
1	978-1-60309-050-6	Harry Potter and the Order of the Phoenix	J. K. Rowling	Bloomsbury (UK)	05/28/2001	8	14.75	15.00
2	978-1-60309-016-2	Harry Potter and the Prisoner of Azkaban	J. K. Rowling	Bloomsbury (UK)	01/17/2002	25	14.97	15.81
3	978-1-60309-026-1	The Catcher in the Rye	J.D Salinger	HarperCollins	09/07/2004	41	15.67	17.25
4	978-1-60309-069-8	The Da Vinci Code	Dan Brown	Penguin Random	01/03/2005	67	14.74	17.00
5	978-1-891830-40-2	The Lord of the Rings	Charlotte Brontë	Elsevier	07/11/2006	19	65.78	66.37
6	978-1-60309-420-7	Life of Pi	Suzanne Collins	Pearson Education	06/16/2007	62	21.74	26.00
7	978-1-891830-37-2	Brave New World	Aldous Huxley	Simon & Schuster	11/23/2007	25	26.21	28.24
8	978-1-60309-369-9	Pride and Prejudice	Jane Austen	Thomas Egerton	07/04/2008	37	28.74	29.27
9	978-1-60309-273-9	Fahrenheit 451	Stephenie Meyer	Bloomsbury	12/11/2008	23	37.18	41.21
10	978-1-60309-027-8	Twilight	Stephenie Meyer	Pearson Education	12/28/2009	52	21.36	25.27
11	978-1-60309-405-4	The Hunger Games	Suzanne Collins	Bloomsbury	09/23/2010	9	35.12	36.23
12	978-1-891830-85-3	Harry Potter and the Philosopher's Stone	J. K. Rowling	Bloomsbury (UK)	05/23/2011	12	18.54	19.65
13	978-1-891830-71-6	To Kill a Mockingbird	Harper Lee	Allen & Unwin	06/21/2011	7	26.78	27.13
14	978-1-60309-047-6	Twilight	Stephenie Meyer	Doubleday	03/04/2012	7	41.31	42.08
15	978-1-60309-265-4	Harry Potter and the Half-Blood Prince	J. K. Rowling	Bloomsbury (UK)	04/10/2012	14	20.32	21.82
16	978-1-60309-380-4	The Great Gatsby	F.Scott Fitzgerald	Pan Macmillan	06/12/2013	39	32.14	33.03
17	978-1-60309-077-3	The Hobbit	J. R.R. Tolkien	Allen & Unwin	09/06/2013	54	35.64	36.17
18	978-1-60309-239-5	Harry Potter and the Order of the Phoenix	J. K. Rowling	Bloomsbury (UK)	08/26/2014	36	36.87	38.34
19	978-1-60309-322-4	The Book Thief	Suzanne Collins	Picador	02/02/2015	25	19.74	21.15
20	978-1-60309-063-6	New Moon	Kurt Vonnegut	Pan Macmillan	01/17/2016	54	26.74	27.46
21	978-1-60309-029-2	Kite Runner	Khaled Hosseini	John Wiley & Sons	03/05/2016	35	48.16	51.07
22	978-1-60309-025-4	Pride and Prejudice	Jane Austen	Thomas Egerton	05/13/2017	22	23.17	25.71
23	978-1-891830-56-3	Angels & Demons	Yann Martel	Egmont	08/22/2017	15	23.65	25.68
24	978-1-60309-042-1	To Kill a Mockingbird	Harper Lee	Hachette Livre	03/18/2018	84	34.85	37.25

Press any key to continue . . .

C:\Users\Krshant\Desktop\228_final_project_copy\Debug\228_final_project.exe

- □ X

Serendipity Booksellers

List by Cost Report

Date: 20/6/2018

S/N	ISBN	Title	Author	Publisher	Date Added	Quantity	Retail Price	Wholesale Cost
1	978-1-891830-40-2	The Lord of the Rings	Charlotte Brontë	Elsevier	07/11/2006	19	65.78	66.37
2	978-1-60309-029-2	Kite Runner	Khaled Hosseini	John Wiley & Sons	03/05/2016	35	48.16	51.07
3	978-1-60309-047-6	Twilight	Stephenie Meyer	Doubleday	03/04/2012	7	41.31	42.08
4	978-1-60309-273-9	Fahrenheit 451	Stephenie Meyer	Bloomsbury	12/11/2008	23	37.18	41.21
5	978-1-60309-239-5	Harry Potter and the Order of the Phoenix	J. K. Rowling	Bloomsbury (UK)	08/26/2014	36	36.87	38.34
6	978-1-60309-042-1	To Kill a Mockingbird	Harper Lee	Hachette Livre	03/18/2018	84	34.85	37.25
7	978-1-60309-405-4	The Hunger Games	Suzanne Collins	Bloomsbury	09/23/2010	9	35.12	36.23
8	978-1-60309-077-3	The Hobbit	J. R.R. Tolkien	Allen & Unwin	09/06/2013	54	35.64	36.17
9	978-1-60309-380-4	The Great Gatsby	F.Scott Fitzgerald	Pan Macmillan	06/12/2013	39	32.14	33.03
10	978-1-60309-369-9	Pride and Prejudice	Jane Austen	Thomas Egerton	07/04/2008	37	28.74	29.27
11	978-1-891830-37-2	Brave New World	Aldous Huxley	Simon & Schuster	11/23/2007	25	26.21	28.24
12	978-1-60309-063-6	New Moon	Kurt Vonnegut	Pan Macmillan	01/17/2016	54	26.74	27.46
13	978-1-891830-71-6	To Kill a Mockingbird	Harper Lee	Allen & Unwin	06/21/2011	7	26.78	27.13
14	978-1-60309-420-7	Life of Pi	Suzanne Collins	Pearson Education	06/16/2007	62	21.74	26.00
15	978-1-60309-025-4	Pride and Prejudice	Jane Austen	Thomas Egerton	05/13/2017	22	23.17	25.71
16	978-1-891830-56-3	Angels & Demons	Yann Martel	Egmont	08/22/2017	15	23.65	25.68
17	978-1-60309-027-8	Twilight	Stephenie Meyer	Pearson Education	12/28/2009	52	21.36	25.27
18	978-1-60309-265-4	Harry Potter and the Half-Blood Prince	J. K. Rowling	Bloomsbury (UK)	04/10/2012	14	20.32	21.82
19	978-1-60309-322-4	The Book Thief	Suzanne Collins	Picador	02/02/2015	25	19.74	21.15
20	978-1-891830-85-3	Harry Potter and the Philosopher's Stone	J. K. Rowling	Bloomsbury (UK)	05/23/2011	12	18.54	19.65
21	978-1-60309-026-1	The Catcher in the Rye	J.D Salinger	HarperCollins	09/07/2004	41	15.67	17.25
22	978-1-60309-069-8	The Da Vinci Code	Dan Brown	Penguin Random	01/03/2005	67	14.74	17.00
23	978-1-60309-016-2	Harry Potter and the Prisoner of Azkaban	J. K. Rowling	Bloomsbury (UK)	01/17/2002	25	14.97	15.81
24	978-1-60309-050-6	Harry Potter and the Order of the Phoenix	J. K. Rowling	Bloomsbury (UK)	05/28/2001	8	14.75	15.00

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Serendipity Booksellers

List By Inventory Report

Date:20/6/2018

S/N	ISBN	Title	Author	Publisher	Date Added	Quantity	Retail Price	Wholesale Cost
1	978-1-891830-56-3	Angels & Demons	Yann Martel	Egmont	08/22/2017	15	23.65	25.68
2	978-1-891830-37-2	Brave New World	Aldous Huxley	Simon & Schuster	11/23/2007	25	26.21	28.24
3	978-1-60309-273-9	Fahrenheit 451	Stephenie Meyer	Bloomsbury	12/11/2008	23	37.18	41.21
4	978-1-60309-265-4	Harry Potter and the Half-Blood Prince	J. K. Rowling	Bloomsbury (UK)	04/10/2012	14	20.32	21.82
5	978-1-60309-239-5	Harry Potter and the Order of the Phoenix	J. K. Rowling	Bloomsbury (UK)	08/26/2014	36	36.87	38.34
6	978-1-60309-050-6	Harry Potter and the Order of the Phoenix	J. K. Rowling	Bloomsbury (UK)	05/28/2001	8	14.75	15.00
7	978-1-891830-85-3	Harry Potter and the Philosopher's Stone	J. K. Rowling	Bloomsbury (UK)	05/23/2011	12	18.54	19.65
8	978-1-60309-016-2	Harry Potter and the Prisoner of Azkaban	J. K. Rowling	Bloomsbury (UK)	01/17/2002	25	14.97	15.81
9	978-1-60309-029-2	Kite Runner	Khaled Hosseini	John Wiley & Sons	03/05/2016	35	48.16	51.07
10	978-1-60309-420-7	Life of Pi	Suzanne Collins	Pearson Education	06/16/2007	62	21.74	26.00
11	978-1-60309-063-6	New Moon	Kurt Vonnegut	Pan Macmillan	01/17/2016	54	26.74	27.46
12	978-1-60309-025-4	Pride and Prejudice	Jane Austen	Thomas Egerton	05/13/2017	22	23.17	25.71
13	978-1-60309-369-9	Pride and Prejudice	Jane Austen	Thomas Egerton	07/04/2008	37	28.74	29.27
14	978-1-60309-322-4	The Book Thief	Suzanne Collins	Picador	02/02/2015	30	19.74	21.15
15	978-1-60309-026-1	The Catcher in the Rye	J.D Salinger	HarperCollins	09/07/2004	41	15.67	17.25
16	978-1-60309-069-8	The Da Vinci Code	Dan Brown	Penguin Random	01/03/2005	67	14.74	17.00
17	978-1-60309-380-4	The Great Gatsby	F.Scott Fitzgerald	Pan Macmillan	06/12/2013	39	32.14	33.03
18	978-1-60309-077-3	The Hobbit	J. R.R. Tolkien	Allen & Unwin	09/06/2013	54	35.64	36.17
19	978-1-60309-405-4	The Hunger Games	Suzanne Collins	Bloomsbury	09/23/2010	19	35.12	36.23
20	978-1-891830-75-4	The Hunger game	J. K. Rowling	Bloomsbury (UK)	02/21/2016	5	25.15	26.15
21	978-1-891830-40-2	The Lord of the Rings	Charlotte Brontë	Elsevier	07/11/2006	19	65.78	66.37
22	978-1-891830-19-8	The Odyssey	Homer	Random House	06/13/2011	84	23.17	24.87
23	978-1-60309-042-1	To Kill a Mockingbird	Harper Lee	Hachette Livre	03/18/2018	84	34.85	37.25
24	978-1-891830-71-6	To Kill a Mockingbird	Harper Lee	Allen & Unwin	06/21/2011	7	26.78	27.13
25	978-1-60309-027-8	Twilight	Stephenie Meyer	Pearson Education	12/28/2009	52	21.36	25.27
26	978-1-60309-047-6	Twilight	Stephenie Meyer	Doubleday	03/04/2012	7	41.31	42.08

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Serendipity Booksellers

List By Quantity Report

Date:20/6/2018

S/N	ISBN	Title	Author	Publisher	Date Added	Quantity	Retail Price	Wholesale Cost
1	978-1-60309-042-1	To Kill a Mockingbird	Harper Lee	Hachette Livre	03/18/2018	84	34.85	37.25
2	978-1-60309-069-8	The Da Vinci Code	Dan Brown	Penguin Random	01/03/2005	67	14.74	17.00
3	978-1-60309-420-7	Life of Pi	Suzanne Collins	Pearson Education	06/16/2007	62	21.74	26.00
4	978-1-60309-063-6	New Moon	Kurt Vonnegut	Pan Macmillan	01/17/2016	54	26.74	27.46
5	978-1-60309-077-3	The Hobbit	J. R.R. Tolkien	Allen & Unwin	09/06/2013	54	35.64	36.17
6	978-1-60309-027-8	Twilight	Stephenie Meyer	Pearson Education	12/28/2009	52	21.36	25.27
7	978-1-60309-026-1	The Catcher in the Rye	J.D Salinger	HarperCollins	09/07/2004	41	15.67	17.25
8	978-1-60309-380-4	The Great Gatsby	F.Scott Fitzgerald	Pan Macmillan	06/12/2013	39	32.14	33.03
9	978-1-60309-369-9	Pride and Prejudice	Jane Austen	Thomas Egerton	07/04/2008	37	28.74	29.27
10	978-1-60309-239-5	Harry Potter and the Order of the Phoenix	J. K. Rowling	Bloomsbury (UK)	08/26/2014	36	36.87	38.34
11	978-1-60309-029-2	Kite Runner	Khaled Hosseini	John Wiley & Sons	03/05/2016	35	48.16	51.07
12	978-1-60309-322-4	The Book Thief	Suzanne Collins	Picador	02/02/2015	25	19.74	21.15
13	978-1-891830-37-2	Brave New World	Aldous Huxley	Simon & Schuster	11/23/2007	25	26.21	28.24
14	978-1-60309-016-2	Harry Potter and the Prisoner of Azkaban	J. K. Rowling	Bloomsbury (UK)	01/17/2002	25	14.97	15.81
15	978-1-60309-273-9	Fahrenheit 451	Stephenie Meyer	Bloomsbury	12/11/2008	23	37.18	41.21
16	978-1-60309-025-4	Pride and Prejudice	Jane Austen	Thomas Egerton	05/13/2017	22	23.17	25.71
17	978-1-891830-40-2	The Lord of the Rings	Charlotte Brontë	Elsevier	07/11/2006	19	65.78	66.37
18	978-1-891830-56-3	Angels & Demons	Yann Martel	Egmont	08/22/2017	15	23.65	25.68
19	978-1-60309-265-4	Harry Potter and the Half-Blood Prince	J. K. Rowling	Bloomsbury (UK)	04/10/2012	14	20.32	21.82
20	978-1-891830-85-3	Harry Potter and the Philosopher's Stone	J. K. Rowling	Bloomsbury (UK)	05/23/2011	12	18.54	19.65
21	978-1-60309-405-4	The Hunger Games	Suzanne Collins	Bloomsbury	09/23/2010	9	35.12	36.23
22	978-1-60309-050-6	Harry Potter and the Order of the Phoenix	J. K. Rowling	Bloomsbury (UK)	05/28/2001	8	14.75	15.00
23	978-1-891830-71-6	To Kill a Mockingbird	Harper Lee	Allen & Unwin	06/21/2011	7	26.78	27.13
24	978-1-60309-047-6	Twilight	Stephenie Meyer	Doubleday	03/04/2012	7	41.31	42.08

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Serendipity Booksellers

Inventory Retail Value Report

Date:20/6/2018

S/N	ISBN	Title	Author	Publisher	Date Added	Quantity	Retail Price	Wholesale Cost
1	978-1-60309-069-8	The Da Vinci Code	Dan Brown	Penguin Random	01/03/2005	67	14.74	17.00
2	978-1-60309-050-6	Harry Potter and the Order of the Phoenix	J. K. Rowling	Bloomsbury (UK)	05/28/2001	8	14.75	15.00
3	978-1-60309-016-2	Harry Potter and the Prisoner of Azkaban	J. K. Rowling	Bloomsbury (UK)	01/17/2002	25	14.97	15.81
4	978-1-60309-026-1	The Catcher in the Rye	J.D Salinger	HarperCollins	09/07/2004	41	15.67	17.25
5	978-1-891830-85-3	Harry Potter and the Philosopher's Stone	J. K. Rowling	Bloomsbury (UK)	05/23/2011	12	18.54	19.65
6	978-1-60309-322-4	The Book Thief	Suzanne Collins	Picador	02/02/2015	25	19.74	21.15
7	978-1-60309-265-4	Harry Potter and the Half-Blood Prince	J. K. Rowling	Bloomsbury (UK)	04/10/2012	14	20.32	21.82
8	978-1-60309-027-8	Twilight	Stephenie Meyer	Pearson Education	12/28/2009	52	21.36	25.27
9	978-1-60309-420-7	Life of Pi	Suzanne Collins	Pearson Education	06/16/2007	62	21.74	26.00
10	978-1-60309-025-4	Pride and Prejudice	Jane Austen	Thomas Egerton	05/13/2017	22	23.17	25.71
11	978-1-891830-56-3	Angels & Demons	Yann Martel	Egmont	08/22/2017	15	23.65	25.68
12	978-1-891830-37-2	Brave New World	Aldous Huxley	Simon & Schuster	11/23/2007	25	26.21	28.24
13	978-1-60309-063-6	New Moon	Kurt Vonnegut	Pan Macmillan	01/17/2016	54	26.74	27.46
14	978-1-891830-71-6	To Kill a Mockingbird	Harper Lee	Allen & Unwin	06/21/2011	7	26.78	27.13
15	978-1-60309-369-9	Pride and Prejudice	Jane Austen	Thomas Egerton	07/04/2008	37	28.74	29.27
16	978-1-60309-380-4	The Great Gatsby	F.Scott Fitzgerald	Pan Macmillan	06/12/2013	39	32.14	33.03
17	978-1-60309-042-1	To Kill a Mockingbird	Harper Lee	Hachette Livre	03/18/2018	84	34.85	37.25
18	978-1-60309-405-4	The Hunger Games	Suzanne Collins	Bloomsbury	09/23/2010	9	35.12	36.23
19	978-1-60309-077-3	The Hobbit	J. R.R. Tolkien	Allen & Unwin	09/06/2013	54	35.64	36.17
20	978-1-60309-239-5	Harry Potter and the Order of the Phoenix	J. K. Rowling	Bloomsbury (UK)	08/26/2014	36	36.87	38.34
21	978-1-60309-273-9	Fahrenheit 451	Stephenie Meyer	Bloomsbury	12/11/2008	23	37.18	41.21
22	978-1-60309-047-6	Twilight	Stephenie Meyer	Doubleday	03/04/2012	7	41.31	42.08
23	978-1-60309-029-2	Kite Runner	Khaled Hosseini	John Wiley & Sons	03/05/2016	35	48.16	51.07
24	978-1-891830-40-2	The Lord of the Rings	Charlotte Brontë	Elsevier	07/11/2006	19	65.78	66.37

Inventory Retail Value: \$21624.45

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Serendipity Booksellers

Inventory Wholesale Value Report

Date:20/6/2018

S/N	ISBN	Title	Author	Publisher	Date Added	Quantity	Retail Price	Wholesale Cost
1	978-1-60309-050-6	Harry Potter and the Order of the Phoenix	J. K. Rowling	Bloomsbury (UK)	05/28/2001	8	14.75	15.00
2	978-1-60309-016-2	Harry Potter and the Prisoner of Azkaban	J. K. Rowling	Bloomsbury (UK)	01/17/2002	25	14.97	15.81
3	978-1-60309-069-8	The Da Vinci Code	Dan Brown	Penguin Random	01/03/2005	67	14.74	17.00
4	978-1-60309-026-1	The Catcher in the Rye	J.D Salinger	HarperCollins	09/07/2004	41	15.67	17.25
5	978-1-891830-85-3	Harry Potter and the Philosopher's Stone	J. K. Rowling	Bloomsbury (UK)	05/23/2011	12	18.54	19.65
6	978-1-60309-322-4	The Book Thief	Suzanne Collins	Picador	02/02/2015	25	19.74	21.15
7	978-1-60309-265-4	Harry Potter and the Half-Blood Prince	J. K. Rowling	Bloomsbury (UK)	04/10/2012	14	20.32	21.82
8	978-1-60309-027-8	Twilight	Stephenie Meyer	Pearson Education	12/28/2009	52	21.36	25.27
9	978-1-891830-56-3	Angels & Demons	Yann Martel	Egmont	08/22/2017	15	23.65	25.68
10	978-1-60309-025-4	Pride and Prejudice	Jane Austen	Thomas Egerton	05/13/2017	22	23.17	25.71
11	978-1-60309-420-7	Life of Pi	Suzanne Collins	Pearson Education	06/16/2007	62	21.74	26.00
12	978-1-891830-71-6	To Kill a Mockingbird	Harper Lee	Allen & Unwin	06/21/2011	7	26.78	27.13
13	978-1-60309-063-6	New Moon	Kurt Vonnegut	Pan Macmillan	01/17/2016	54	26.74	27.46
14	978-1-891830-37-2	Brave New World	Aldous Huxley	Simon & Schuster	11/23/2007	25	26.21	28.24
15	978-1-60309-369-9	Pride and Prejudice	Jane Austen	Thomas Egerton	07/04/2008	37	28.74	29.27
16	978-1-60309-380-4	The Great Gatsby	F.Scott Fitzgerald	Pan Macmillan	06/12/2013	39	32.14	33.03
17	978-1-60309-077-3	The Hobbit	J. R.R. Tolkien	Allen & Unwin	09/06/2013	54	35.64	36.17
18	978-1-60309-405-4	The Hunger Games	Suzanne Collins	Bloomsbury	09/23/2010	9	35.12	36.23
19	978-1-60309-042-1	To Kill a Mockingbird	Harper Lee	Hachette Livre	03/18/2018	84	34.85	37.25
20	978-1-60309-239-5	Harry Potter and the Order of the Phoenix	J. K. Rowling	Bloomsbury (UK)	08/26/2014	36	36.87	38.34
21	978-1-60309-273-9	Fahrenheit 451	Stephenie Meyer	Bloomsbury	12/11/2008	23	37.18	41.21
22	978-1-60309-047-6	Twilight	Stephenie Meyer	Doubleday	03/04/2012	7	41.31	42.08
23	978-1-60309-029-2	Kite Runner	Khaled Hosseini	John Wiley & Sons	03/05/2016	35	48.16	51.07
24	978-1-891830-40-2	The Lord of the Rings	Charlotte Brontë	Elsevier	07/11/2006	19	65.78	66.37

Inventory Wholesale Value: \$23137.66

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