**Sprint 1**

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User Story: ”As an employee I would like to update the availability of a book when a new shipment arrives.”

1. “As an employee I would like to update the availability of a book.”
2. “As an employee I would like to view the status of a new shipment.”

Test Cases for - As an employee I would like to update the availability of a book.

Valid inputs -> positive numbers ex. 5, 10, 35. Negative numbers ex. -5, -10, -35

Invalid inputs -> Strings, decimal numbers ex. “Hello”, 12.5

Valid outputs -> message stating the quantity of book and current stock after update.

Invalid outputs -> message stating there’s no stock available for purchase.

VEC: any integer values that combine with current book stock and doesn’t reduce book quantity below 0.

IEC: String, decimal numbers

**Test case 1 (adding 0 to stock of 0):**

Run updateAvailability function

Input book name: “Intro to agile”

Input quantity to add: 0

System returns "No updates made"

End program

**Test case 2 (increase stock from 0 to positive quantity):**

Run updateAvailability function

Input book name: “Intro to agile”

Input quantity to add: 5

System returns “The Book 'Intro to agile 1' now has 5 books in stock”.

End program

**Test case 3 (decrease stock below available stock ex. 5):**

Run updateAvailability function

Input book name: “Intro to agile”

Input quantity to add: -10

System returns "The Book 'Intro to agile 1' has insufficient stock"

End program

**Test case 4 (decreasing stock to 0 from positive stock ex. 5):**

Run updateAvailability function

Input book name: “Intro to agile”

Input quantity to add: -5

System returns "The Book ‘Intro to agile 1’ is now out of stock"

End program

**Test case 5 (decrease stock to negative quantity from 0):**

Run updateAvailability function

Input book name: “Intro to agile”

Input quantity to add: -5

System returns "The Book 'Intro to agile 1' is not in stock"

End program

**Test case 6 (specified book name is not within inventory):**

Run updateAvailability function

Input book name: “Intro to algorithm”

Input quantity to add: -5

System returns "Book does not exist within the inventory"

End program