

INPUT	PROCESS	OUTPUT
Action choices	See what action the user wants to take.	Searched item(s)
Search terms	Quit if they choose	
	Find book of name if that's chosen	
	Search for searchterm if that's chosen	

#### PSEUDOCODE:

1. Function searchByName(name):
2.     Try to retrieve a book with the given name from books
3.     If a book is found:
4.         Print the book's details
5.     Otherwise:
6.         Print a message saying no book was found
- 7.
8. Function searchByProperty(searchTerm):
9.     For each book in books:
10.         If the book's properties contain the search term:
11.             Print a short representation of the book
12.     (This function searches across all properties - title, author, genre, year published, page count, price)
- 13.
14. Function main():
15.     Call fillMap to populate the books map with book details
16.     Initialize input as 1
17.     Display a welcome message
- 18.
19.     While input is not equal to 3:
20.         Display a menu with options 1, 2, and 3
21.         Repeat until a valid input (1, 2, or 3) is entered:
22.             Try to read an integer from the user
23.             If the input is not an integer (catch InputMismatchException):
24.                 Mark the input as invalid

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25.             Display an error message
26.
27.         If input is 1:
28.             Ask the user to enter a book's name
29.             Call searchByName with the entered name
30.         Else if input is 2:
31.             Ask the user to enter a number or word(s) to
search for in book properties
32.             Call searchByProperty with the entered search term
33.             (For input 3, the program will exit)
34.
35. Close the standard input
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