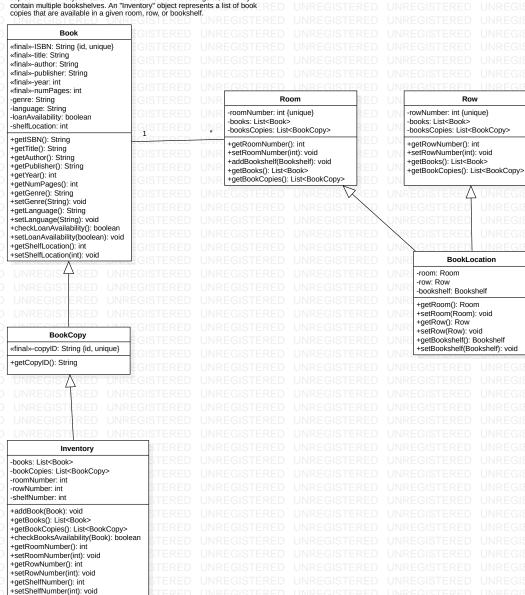
EXERCISE 3

The relationships between classes are represented by different arrows. A "BookCopy" object has a reference to a "Book" object, and may or may not be placed on a bookshelf. A "Bookshelf" object has a reference to the "Room" and "Row" objects it belongs to, and may contain multiple book copies. A "Row" object has a reference to the room it belongs to, and may contain multiple bookshelves. An "Inventory" object represents a list of book copies that are available in a given room, row, or bookshelf.



Bookshelf

-shelfNumber: int {id, unique} -shelfNumber: int -books: List<Book>

-booksCopies: List<BookCopy>

+getShelfNumber(): int +setShelfNumber(int): void

+getRoomNumber(): int +getBooks(): List<Book>

+getBooksCopies(): List<BookCopy>