```
import java.util.ArrayList;
import java.util.Scanner;


class Book {
    private String title;
    private String author;
    private double price;
    private int quantity;


    public Book(String title, String author, double price, int
quantity) {
        this.title = title;
        this.author = author;
        this.price = price;
        this.quantity = quantity;
    }


    public String getTitle() {
        return title;
    }


    public void setQuantity(int quantity) {
```

```
        this.quantity = quantity;
    }

    public int getQuantity() {
        return quantity;
    }

    @Override
    public String toString() {
        return "Title: " + title + ", Author: " + author + ", Price: " + price
+ ", Quantity: " + quantity;
    }
}

class BookStore {
    private ArrayList<Book> books;

    public BookStore() {
        books = new ArrayList<>();
    }

    public void addBook(Book book) {
```

```
    books.add(book);
    System.out.println("Book added successfully.");
}

public Book searchBook(String title) {
    for (Book book : books) {
        if (book.getTitle().equalsIgnoreCase(title)) {
            return book;
        }
    }
    return null;
}

public void listBooks() {
    if (books.isEmpty()) {
        System.out.println("No books available.");
    } else {
        for (Book book : books) {
            System.out.println(book);
        }
    }
}
```

```
    public void sellBook(String title, int quantity) {
        Book book = searchBook(title);
        if (book != null) {
            if (book.getQuantity() >= quantity) {
                book.setQuantity(book.getQuantity() - quantity);
                System.out.println("Sold " + quantity + " copies of " +
title);
            } else {
                System.out.println("Not enough copies available.");
            }
        } else {
            System.out.println("Book not found.");
        }
    }
}


public class BookStoreManagementSystem {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        BookStore store = new BookStore();
        int choice;


        do {
```

```
System.out.println("Book Store Management System");
System.out.println("1. Add Book");
System.out.println("2. Search Book");
System.out.println("3. List All Books");
System.out.println("4. Sell Book");
System.out.println("5. Exit");
System.out.print("Enter your choice: ");
choice = scanner.nextInt();
scanner.nextLine();  // Consume newline


switch (choice) {
    case 1:
        System.out.print("Enter title: ");
        String title = scanner.nextLine();
        System.out.print("Enter author: ");
        String author = scanner.nextLine();
        System.out.print("Enter price: ");
        double price = scanner.nextDouble();
        System.out.print("Enter quantity: ");
        int quantity = scanner.nextInt();
        scanner.nextLine();  // Consume newline
        Book book = new Book(title, author, price, quantity);
        store.addBook(book);
        break;
```

```
case 2:
    System.out.print("Enter title to search: ");
    title = scanner.nextLine();
    Book foundBook = store.searchBook(title);
    if (foundBook != null) {
        System.out.println("Book found: " + foundBook);
    } else {
        System.out.println("Book not found.");
    }
    break;


case 3:
    store.listBooks();
    break;


case 4:
    System.out.print("Enter title to sell: ");
    title = scanner.nextLine();
    System.out.print("Enter quantity to sell: ");
    quantity = scanner.nextInt();
    scanner.nextLine();  // Consume newline
    store.sellBook(title, quantity);
```

```
                break;


            case 5:
                System.out.println("Exiting the system. Goodbye!");
                break;


            default:
                System.out.println("Invalid choice. Please try again.");
                break;
        }
    } while (choice != 5);


    scanner.close();
  }
}
```