



Varsity College

ST10481803

**LUBANZI OLWETHU
MOSIA**

**PROG6112
ASSIGNMENT 1(PRAC)**

**DECLARATION OF
ORIGINALITY & AI
ASSISTANCE**

**2025
BCAD0701**

Declaration

I, **Lubanzi Olwethu Mosia**, hereby declare that the code and project submitted are my own original work.

This project was completed as part of the PROG6112 (Programming 1B) Practical Assignment, which included:

- **Section A & B:** TV Series Management System (common project assigned to all students).
- **Section C:** A unique project designed individually by each student.

For Section C, my chosen project is: **Cinema Management System**

AI Assistance

I acknowledge and declare that I used **OpenAI ChatGPT** as a tool for **structural guidance only**.

The AI was used to:

- Provide explanations of programming concepts (inheritance, arrays, loops, constructors, information hiding).
- Suggest structural corrections when I encounter syntax errors or logic problems.
- Recommend approaches for menu-driven console applications.

The final code was **typed, structured, and tested by me as the student**. ChatGPT was not used to generate final full solutions for submission, but to **assist in understanding and correcting mistakes** in the code.

Project Structure

This project makes use of:

- **Inheritance** (base and subclass).
- **Arrays/loops** for data storage and iteration.
- **Constructors** for object creation.
- **Encapsulation/information hiding** through private fields and getters/setters.
- **Console-based menus** for user interaction.

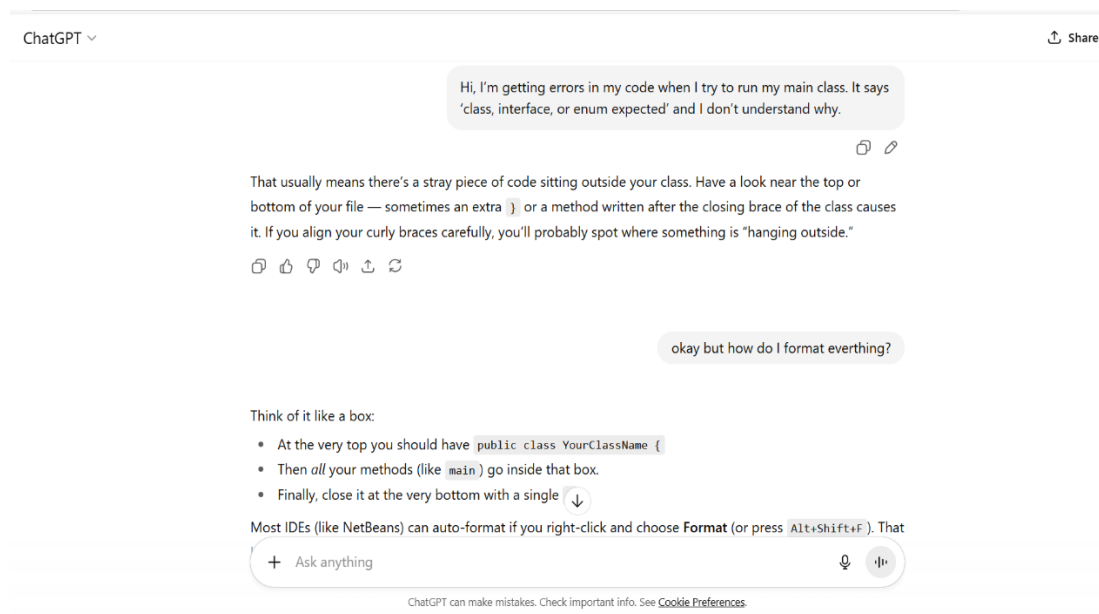
The structure of the project follows typical **Java console applications** built in NetBeans, with:

- `src/main/java/com/mycompany/[projectname]` containing all classes.
- `pom.xml` for Maven build configuration.
- `src/test/java/com/mycompany/[projectname]` for unit tests.

Evidence of Consultation

Screenshots of my interaction with ChatGPT have been provided. These include:

- Instances where syntax errors were pointed out.
- Suggestions on restructuring methods.
- Guidance on package naming and project organization.



https://chatgpt.com/share/68b98c32-be64-8011-88e0-62f159ce8489

ChatGPT

- * Title: Java Arrays
- * Author: Oracle
- * Date Accessed: 02 September 2025
- * Version: Java SE 8
- * Available: <https://docs.oracle.com/javase/tutorial/java/nutsandbolts/arrays.html>

is my code attribution fine

Yes, your attribution is **mostly fine**, but I can suggest a few small improvements for clarity and proper formatting according to typical citation standards for online sources:

Current version:

```
yml
* Title: Java Arrays
* Author: Oracle
* Date Accessed: 02 September 2025
* Version: Java SE 8
* Available: https://docs.oracle.com/javase/tutorial/java/nutsandbolts/arrays.html
```

+ Message ChatGPT

ChatGPT can make mistakes. Check important info. See [Cookie Preferences](#)

68b98c32-be64-8011-88e0-62f159ce8489

ChatGPT

Ah! I see the issue. In Java, **you cannot compare strings with `==`** because `==` checks **reference equality**, not content. You should use `.equals()` for string comparison.

Here's the fixed version:

```
java
for (int i = 0; i < count; i++) {
    if (items[i].getTitle().equals(input)) { // use .equals() instead of ==
        System.out.println("Found: " + items[i].getDetails());
    }
}
```

✓ **Extra tip:**

- If you want the search to be **case-insensitive**, use:

```
java
if (items[i].getTitle().equalsIgnoreCase(input)) {
    System.out.println("Found: " + items[i].getDetails());
}
```

+ Message ChatGPT

https://chatgpt.com/share/68b98c32-be64-8011-88e0-62f159ce8489

ChatGPT

Here's the fixed version:

```
java
for (int i = 0; i < count; i++) {
    if (items[i].getTitle().equals(input)) { // use .equals() instead of ==
        System.out.println("Found: " + items[i].getDetails());
    }
}
```

✓ **Extra tip:**

- If you want the search to be **case-insensitive**, use:

```
java
if (items[i].getTitle().equalsIgnoreCase(input)) {
    System.out.println("Found: " + items[i].getDetails());
}
```

This is a common mistake in Java when comparing strings.

Do you want me to **also add a check if the book is found** so it prints "Not found" instead of doing nothing?

+ Message ChatGPT

ChatGPT can make mistakes. Check important info. See [Cookie Preferences](#)

ChatGPT

suggested improvements.

1. Use "Accessed on" instead of "Date Accessed" (more common).
2. Include "Oracle Java SE 8 Documentation" as the main source name.
3. Ensure the URL is clickable if needed in your report.

yami

 Copy code

- * Title: Java Arrays
- * Author: Oracle
- * Source: Java SE 8 Documentation
- * Accessed on: 02 September 2025
- * Available at: <https://docs.oracle.com/javase/tutorial/java/nutsandbolts/arrays.html>

✔ This is clear, professional, and follows standard citation style for online technical resources.

If you want, I can rewrite all your references (like Book, JUnit, Scanner) in the same clean format so your bibliography looks consistent. Do you want me to do that?

+ Message ChatGPT

ChatGPT can make mistakes. Check important info. See [Cookie Preferences](#).

Code ATTRIBUTION

/**

*

* @author Lubanzi.m

*/

/**

* This is the main class that runs the Cinema System program.

* It allows users to add books or magazines and view a report of all items.

*

* Code Attribution:

*

* Title: Java Arrays

* Author: Oracle

* Date Accessed: 02 September 2025

* Version: Java SE 8

* Available: <https://docs.oracle.com/javase/tutorial/java/nutsandbolts/arrays.html>

* Title: Java Scanner Class

* Author: W3Schools

* Date Accessed: 02 September 2025

* Version: N/A

* Available: https://www.w3schools.com/java/java_user_input.asp

* Title: JUnit 5 Basics

* Author: Baeldung

* Date Accessed: 02 September 2025

* Version: N/A

* Available: <https://www.baeldung.com/junit-5>

**/

Signed: LOM

Lubanzi Mosia - ST10481803

Date: 4 September 2025