

HACETTEPE COMPUTER SCIENCE BBM104'S 2nd ASSIGNMENT's REPORT

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Class Diagram and Solution:

Figure 1. Class diagram

My Solution:

After I read the pdf I created all the classes and define their attributes constructors etc. Then in Main class I created necessary methods. I read txt files and made objects with those then I added them into an arraylist. By reading commands, I did necessary operations with using those arraylists with for loops. For example: In "RATE" command I used for loop to get correct film and user. Then I added rate into that film with the given film id. I used hashmap in both user and film classes so that I could easily access who rated that film and who doesn't. Also I could easily access what film the user rated. In "ADD" command I created new film object then add into film arraylist with the given conditions.

Since we use encapsulation to prevent program to work incorrectly or avoid crashing by blocking direct access, I used public attributes and methods because I gave essential conditions in Main.java because there were so many classes and I wanted to do my job in one tab. Briefly it looked to me like it is more convenient .

The Advantages of My Solution:

- I could access almost everything in one file Main.java.
- It's readable and easily understandable.

The Disadvantages of My Solution

- Main.java had so many code line. It's too long.

My Comments and Feedbacks:

Assignment had so much work to do there were so many conditions so it took a long time. I learned inheritance. Since there were different and plenty of classes it thought me to struggle with big projects. That's all I can say.

References: <https://docs.oracle.com/en/java/javase/11/docs/api/index.html>

<https://www.javatpoint.com/java-string-format>

<https://www.geeksforgeeks.org/compare-two-strings-in-java/>

<https://www.oracle.com/java/technologies/javase/codeconventions-statements.html>