BÁO CÁO THỰC HÀNH LAB 2

THỰC HÀNH LẬP TRÌNH HƯỚNG ĐỐI TƯỢNG

**Lab 02: Problem Modeling and Encapsulation**

1. **Assignment Submission**
2. **UML & Astah**
3. **Problem Statement of AIMS Project**
4. **Use case diagram**

Diagram

Description automatically generated

Figure 1: AIMS general use case diagram

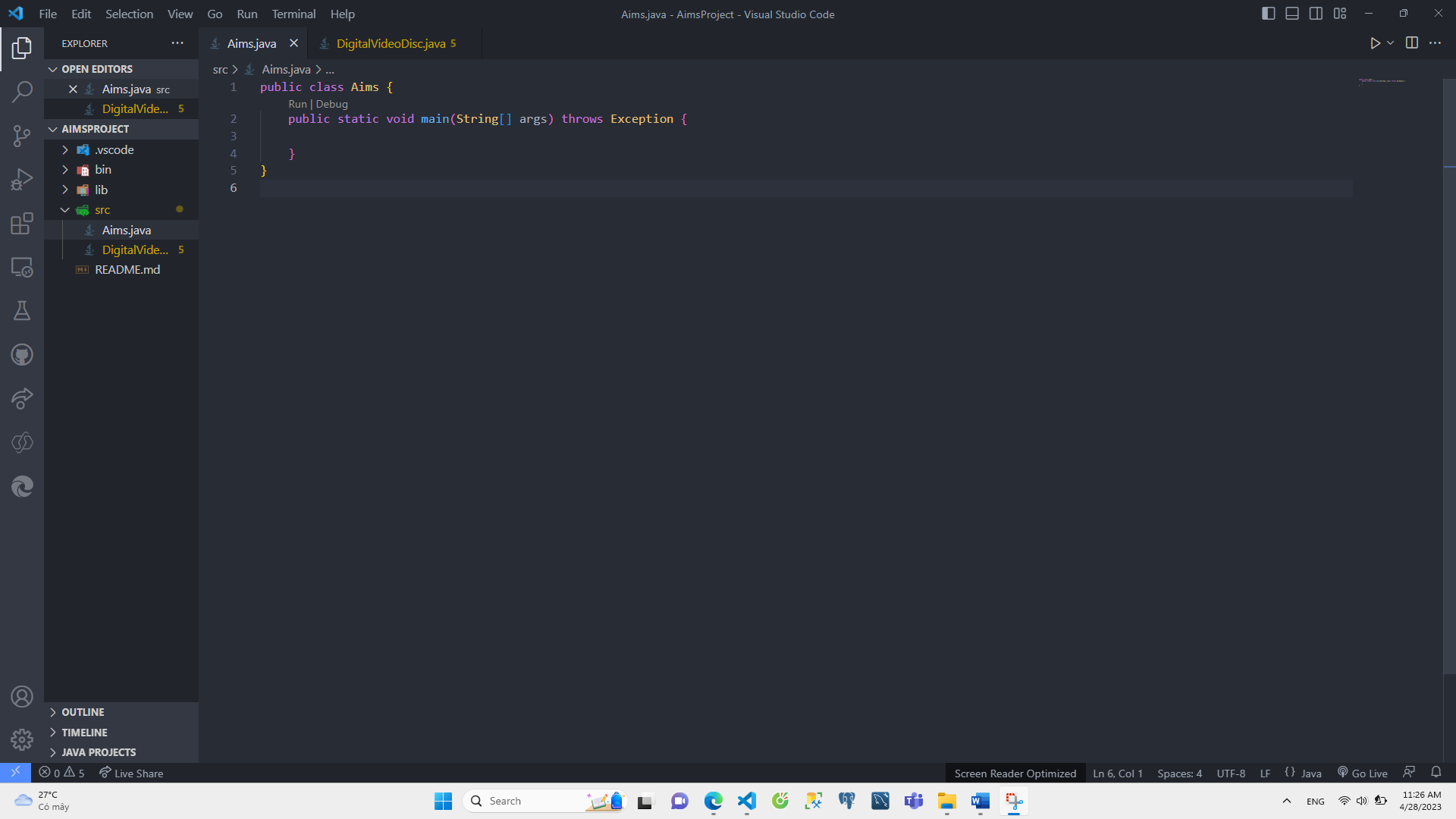
1. **UML Class Diagram for use cases realted to cart management**

Diagram

Description automatically generated with medium confidence

Figure 2: Cart management class diagram

1. **Create Aims class**

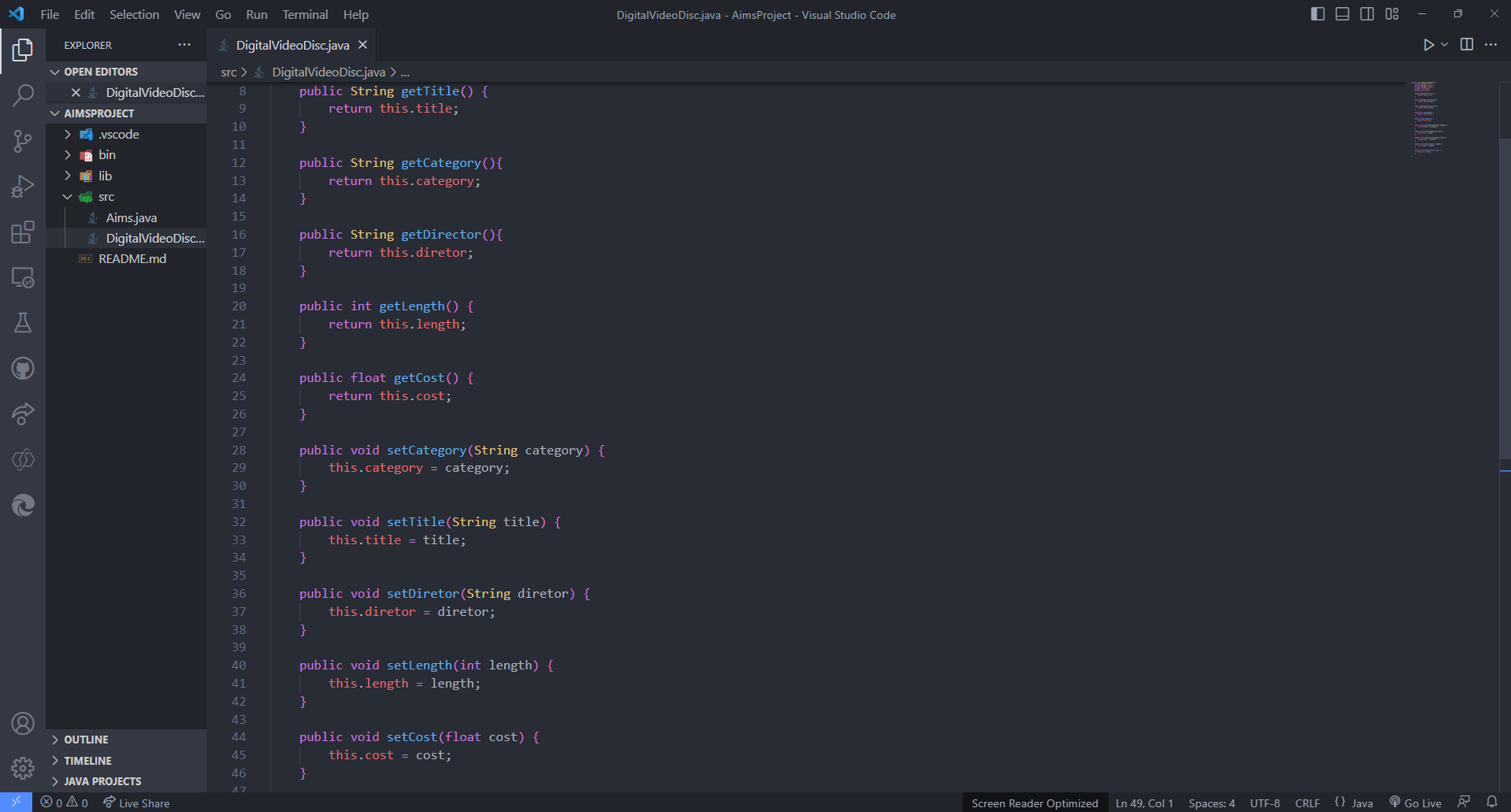


1. **Create the DigitalVideoDisc class and its attributes**

A screenshot of a computer

Description automatically generated with medium confidence

1. **Create accessors and mutators for the class DigitalVideoDisc**

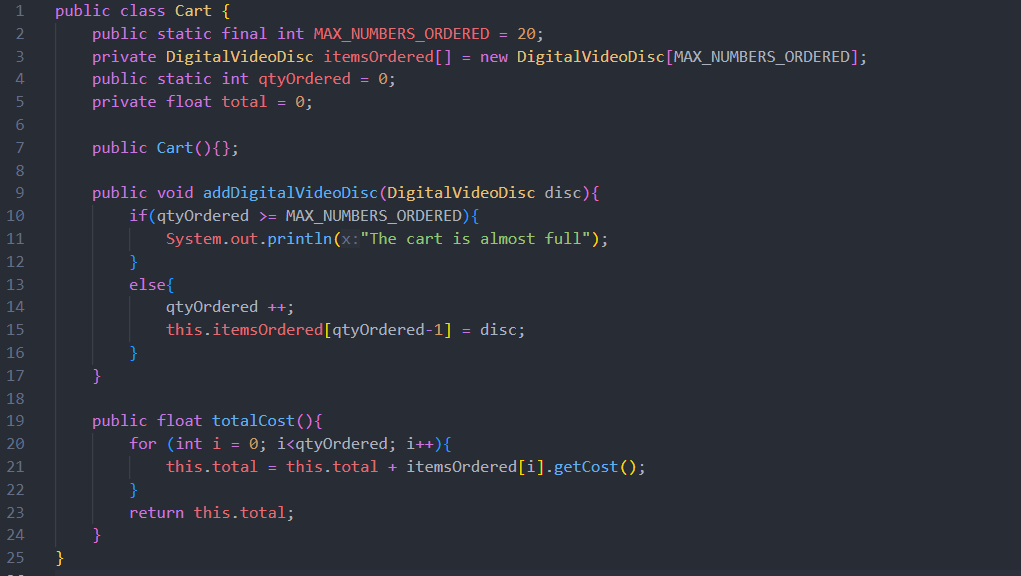


1. **Create Constructor method**

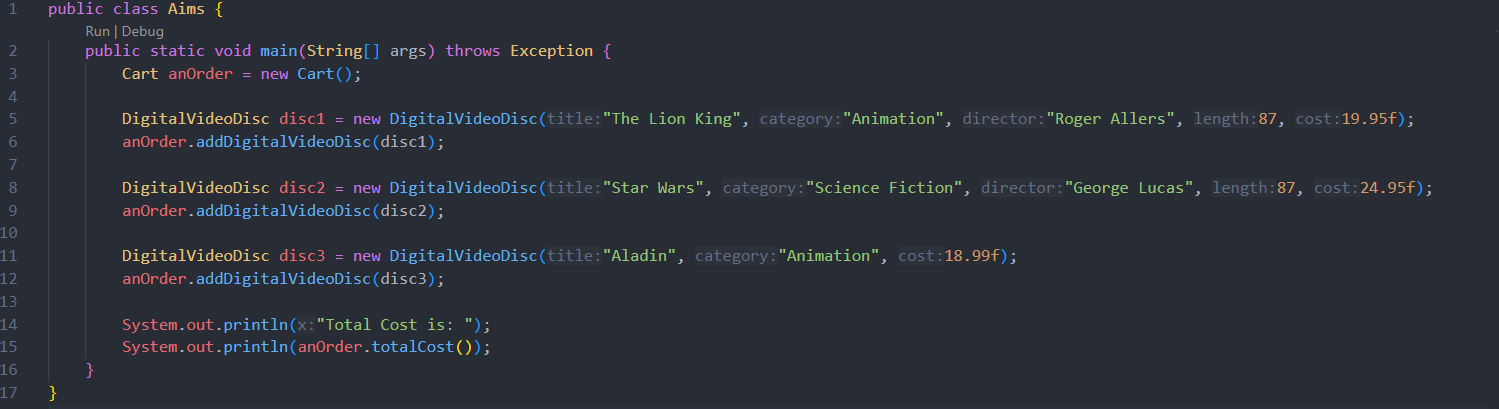
**Text

Description automatically generated**

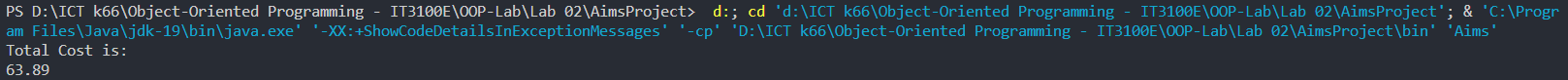
1. **Create Cart class to work with DigitalVideoDisc**

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1. **Create Carts of DigitalVideoDiscs**

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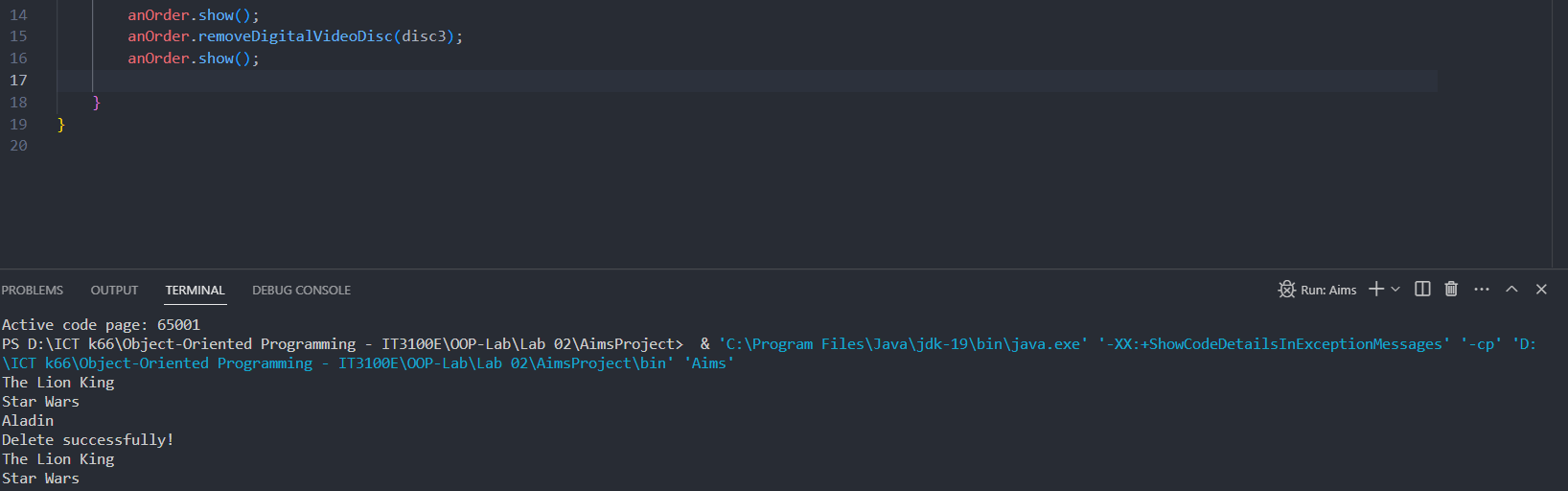
Result:

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1. **Removing items from the cart**



**Result:**



1. **References**

James Rumbaugh, Ivar Jacobson, and Grady Booch (2004). Unified Modeling Language Reference Manual, The (2nd Edition). Pearson Higher Education