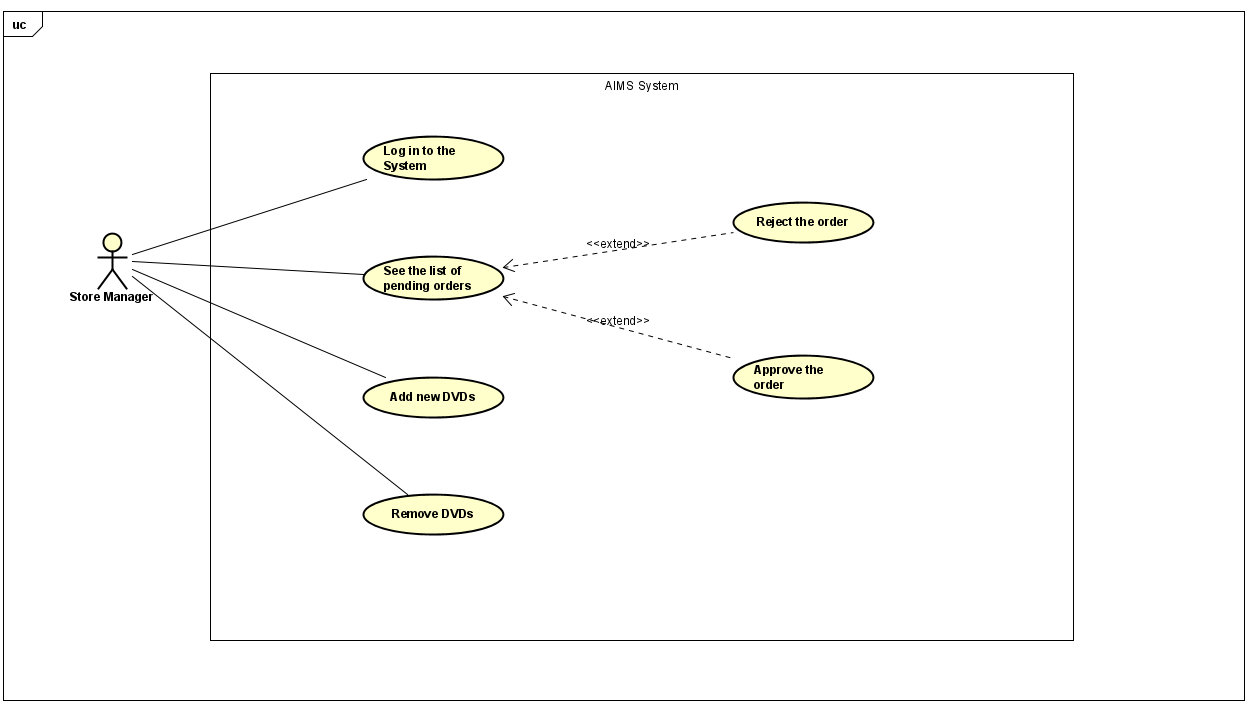
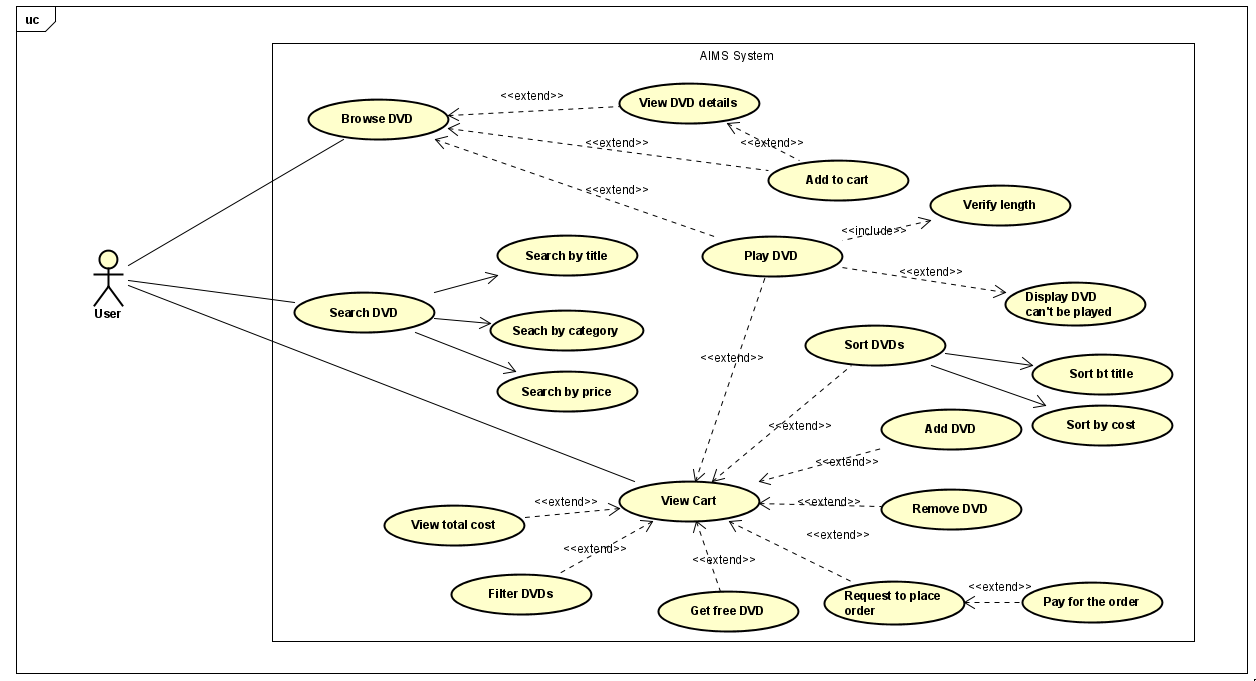
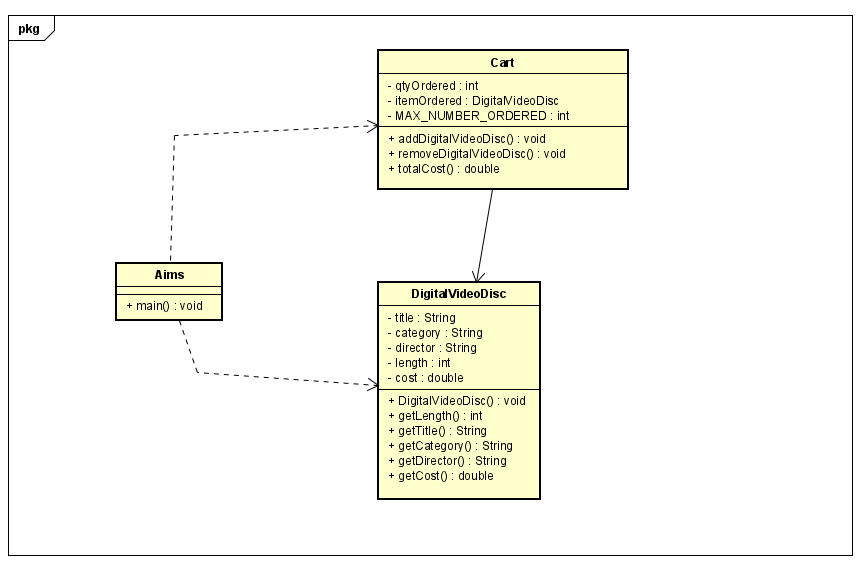
3. Use case diagram

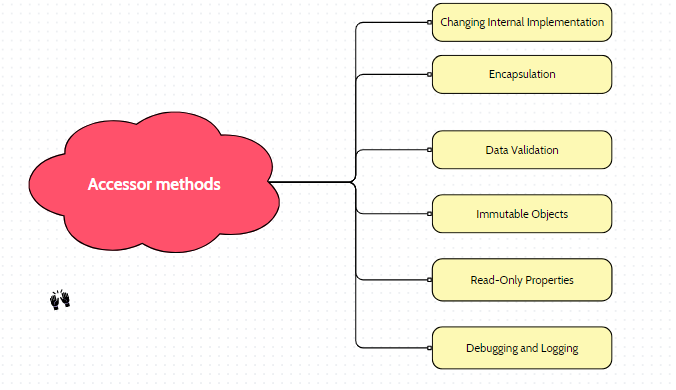


4. UML Class Diagram for use cases related to cart management



7. Create accessors and mutators for the class DigitalVideoDisc

**Reading Assignment**: When should accessor methods be used?



8. Create Constructor method.

**Question:**

* If you create a constructor method to build a DVD by title then create a constructor method to build a DVD by category. Does JAVA allow you to do this?

**Answer:**

* Yes, Java allows you to create multiple constructors for a class, a feature known as **constructor overloading**. This means you can define different constructors that accept different parameters to initialize an object in various ways.

10.Create Carts of DigitalVideoDiscs.

package MyPackage;

public class Aims {

public static void main(String[] args) {

// Create a new Cart

Cart newOrder = new Cart();

DigitalVideoDisc disc1 = new DigitalVideoDisc("The King of Lion", "LiveAction", "LongPahm", 69, 19.99);

DigitalVideoDisc disc2 = new DigitalVideoDisc("Avenger: End game", "LiveAction", "Anthony Russo", 119, 11.99);

DigitalVideoDisc disc3 = new DigitalVideoDisc("Hercules", "Cartoon", "Anthony Russo", 79, 10.99);

DigitalVideoDisc disc4 = new DigitalVideoDisc("The King of Lion", "LiveAction", "LongPahm", 99, 9.99);

newOrder.addDigitalVideoDisc(disc1);

newOrder.addDigitalVideoDisc(disc2);

newOrder.addDigitalVideoDisc(disc3);

newOrder.addDigitalVideoDisc(disc4);

System.***out***.print("Total cost is: ");

System.***out***.println(newOrder.totalCost());

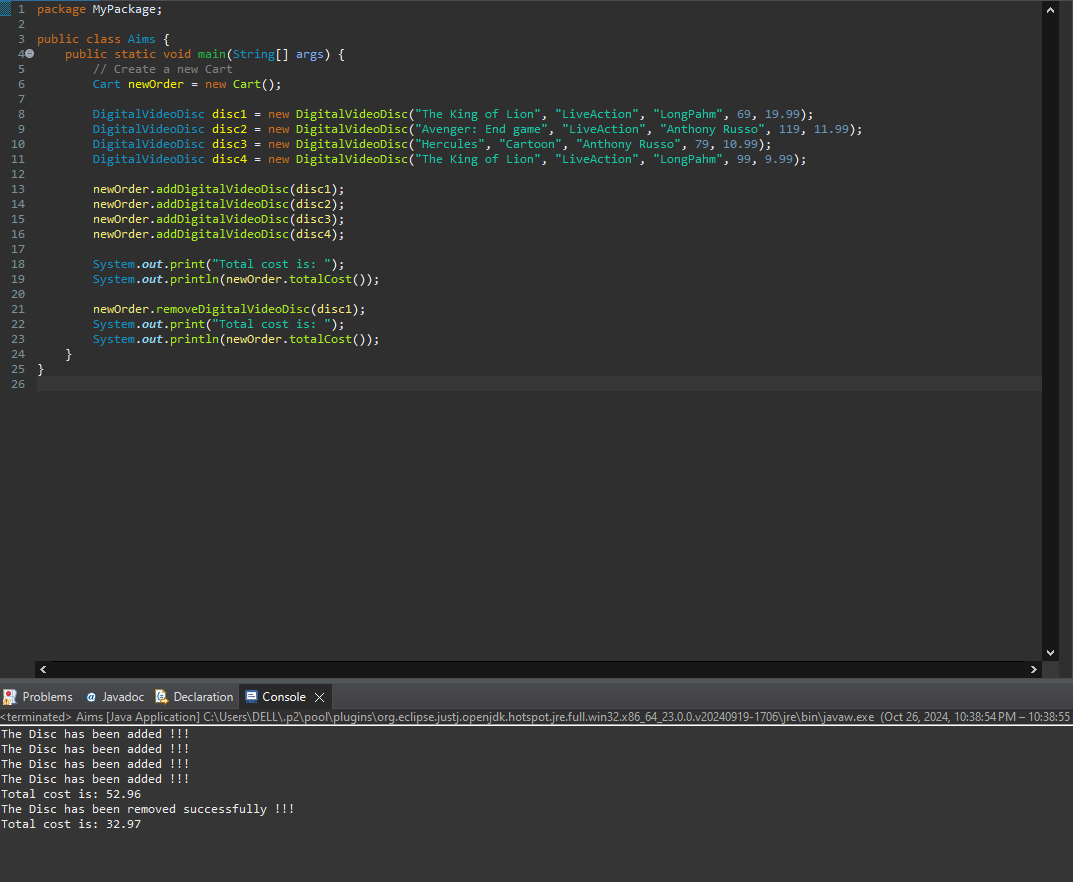
newOrder.removeDigitalVideoDisc(disc1);

System.***out***.print("Total cost is: ");

System.***out***.println(newOrder.totalCost());

}

}



11.Removing items from the cart

package MyPackage;

public class Aims {

public static void main(String[] args) {

// Create a new Cart

Cart newOrder = new Cart();

DigitalVideoDisc disc1 = new DigitalVideoDisc("The King of Lion", "LiveAction", "LongPahm", 69, 19.99);

DigitalVideoDisc disc2 = new DigitalVideoDisc("Avenger: End game", "LiveAction", "Anthony Russo", 119, 11.99);

DigitalVideoDisc disc3 = new DigitalVideoDisc("Hercules", "Cartoon", "Anthony Russo", 79, 10.99);

DigitalVideoDisc disc4 = new DigitalVideoDisc("The King of Lion", "LiveAction", "LongPahm", 99, 9.99);

newOrder.addDigitalVideoDisc(disc1);

newOrder.addDigitalVideoDisc(disc2);

newOrder.addDigitalVideoDisc(disc3);

newOrder.addDigitalVideoDisc(disc4);

System.***out***.print("Total cost is: ");

System.***out***.println(newOrder.totalCost());

newOrder.removeDigitalVideoDisc(disc1);

System.***out***.print("Total cost is: ");

System.***out***.println(newOrder.totalCost());

}

}

