

CSE212
SOFTWARE DEVELOPMENT METHODOLOGIES
SPRING 2024
LABWORK 9 - SECTION 1 & 2

Below, you can find the description of your labwork for today. You can also find the expected output of this code in the Application Walkthrough section.

You are going to improve your Rental System on top of your previous week's labwork by incorporating Exceptions.

You are required to modify the code so that input mismatch exceptions can be caught. Exceptions should be generated upon entering invalid data instead of a number while providing the length of Content.

Also, when entering the name of the Customer you should check if the name contains numbers. If the name contains a number, you should throw an `InputMismatchException` and handle the exception until the user enters the name correctly. The expected output can be seen in the Application Walkthrough section.

Application Walkthrough

1. Create a new Customer
2. Create a new DVD
3. Create a new DVD with genre
4. Create a new Digital Movie
5. Rent a DVD
6. Display Customer Information
7. Display Content Information
8. Display number of customers
9. Display All Contents in order
10. Display All Customers in order
0. Exit

1

Enter id

1000

Enter name

John34

Name cannot contain any numbers!

Enter name

John

Enter surname

Blake

Enter age

34

Enter postal code

34724

Enter email
johnblake@gmail.com

1. Create a new Customer
2. Create a new DVD
3. Create a new DVD with genre
4. Create a new Digital Movie
5. Rent a DVD
6. Display Customer Information
7. Display Content Information
8. Display number of customers
9. Display All Contents in order
10. Display All Customers in order
0. Exit

2

Enter id
10
Enter title
The Lord of the Rings: The Fellowship of the Ring
Enter artist
Elijah Wood
Enter length
hundred seventy-eight
length cannot be a String!
Enter length
178

1. Create a new Customer
2. Create a new DVD
3. Create a new DVD with genre
4. Create a new Digital Movie
5. Rent a DVD
6. Display Customer Information
7. Display Content Information
8. Display number of customers
9. Display All Contents in order
10. Display All Customers in order
0. Exit

3

Enter genre
Thriller
Enter id
11
Enter title
Parasite
Enter artist
Song Kang-ho
Enter length
hundred thirty-two
length cannot be a String!
Enter length
132

1. Create a new Customer
2. Create a new DVD
3. Create a new DVD with genre
4. Create a new Digital Movie

5. Rent a DVD
6. Display Customer Information
7. Display Content Information
8. Display number of customers
9. Display All Contents in order
10. Display All Customers in order
0. Exit

4

Enter id

12

Enter title

Spenser Confidential

Enter artist

Mark Wahlberg

Enter length

hundred eleven

length cannot be a String!

Enter length

111

Enter streaming service:

Netflix

1. Create a new Customer
2. Create a new DVD
3. Create a new DVD with genre
4. Create a new Digital Movie
5. Rent a DVD
6. Display Customer Information
7. Display Content Information
8. Display number of customers
9. Display All Contents in order
10. Display All Customers in order
0. Exit

0