**BÁO CÁO THỰC HÀNH LAB 5**

**LẬP TRÌNH HƯỚNG ĐỐI TƯỢNG**

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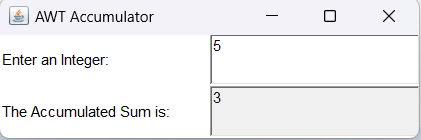
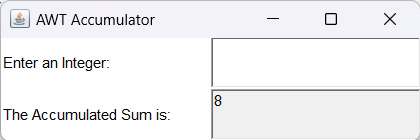
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1. **Swing components**
2. AWTAccumulator

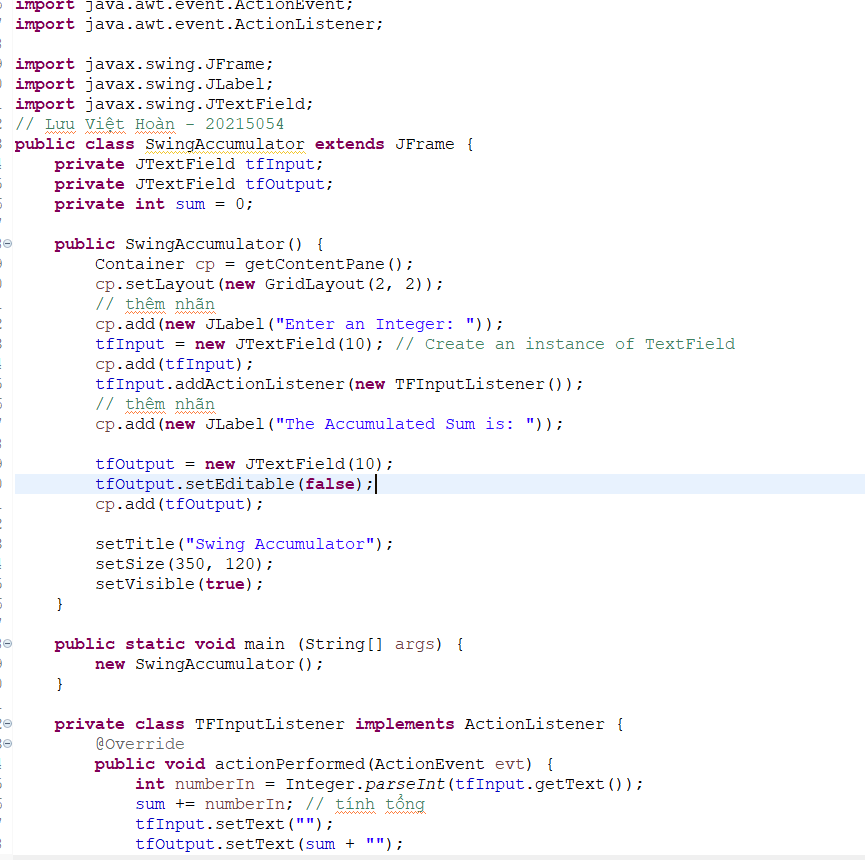
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Hình 1. AWTAccumulator

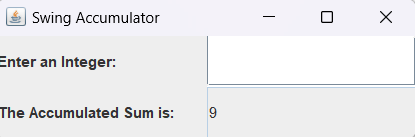
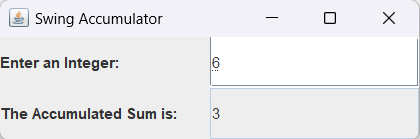
 

Hình 2. AWT\_Demo

1. SwingAccumulator



Hình 3. SwingAccumulator



Hình 4. SwingAccumulator\_Demo

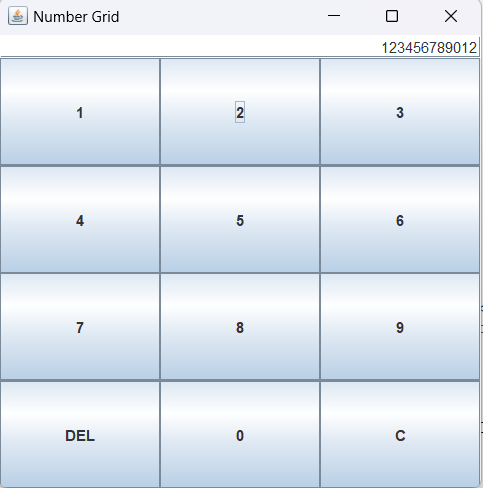
1. **Organizing Swing components with Layout Managers**



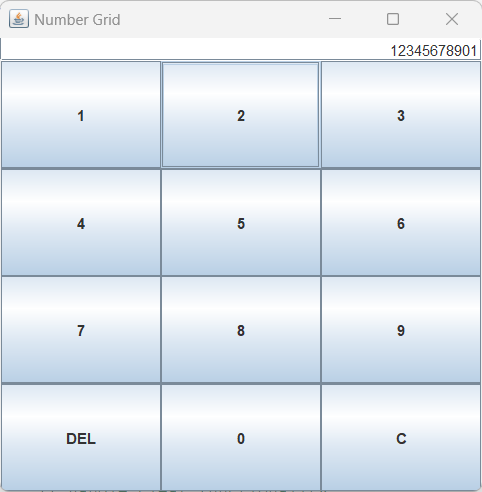
Hình 5. NumberGrid part 1



Hình 6. NumberGrid part 2



Hình 7. NumberGrid demo



Hình 8. NumberGrid demo DEL



Hình 9. NumberGrid demo C

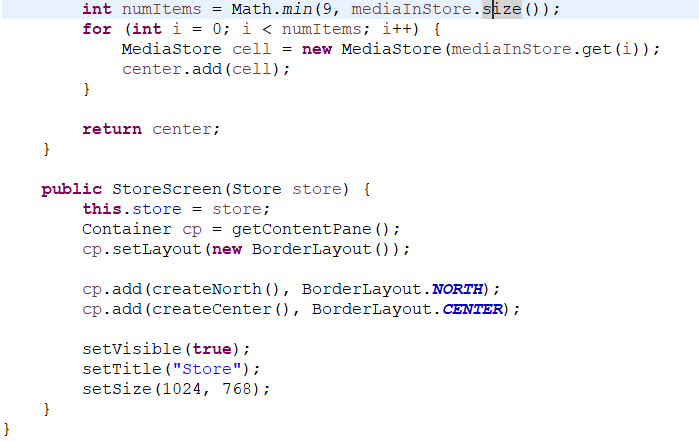
1. **Create a graphical user interface for AIMS with Swing**
2. StoreScreen



Hình 10. StoreScreen part 1

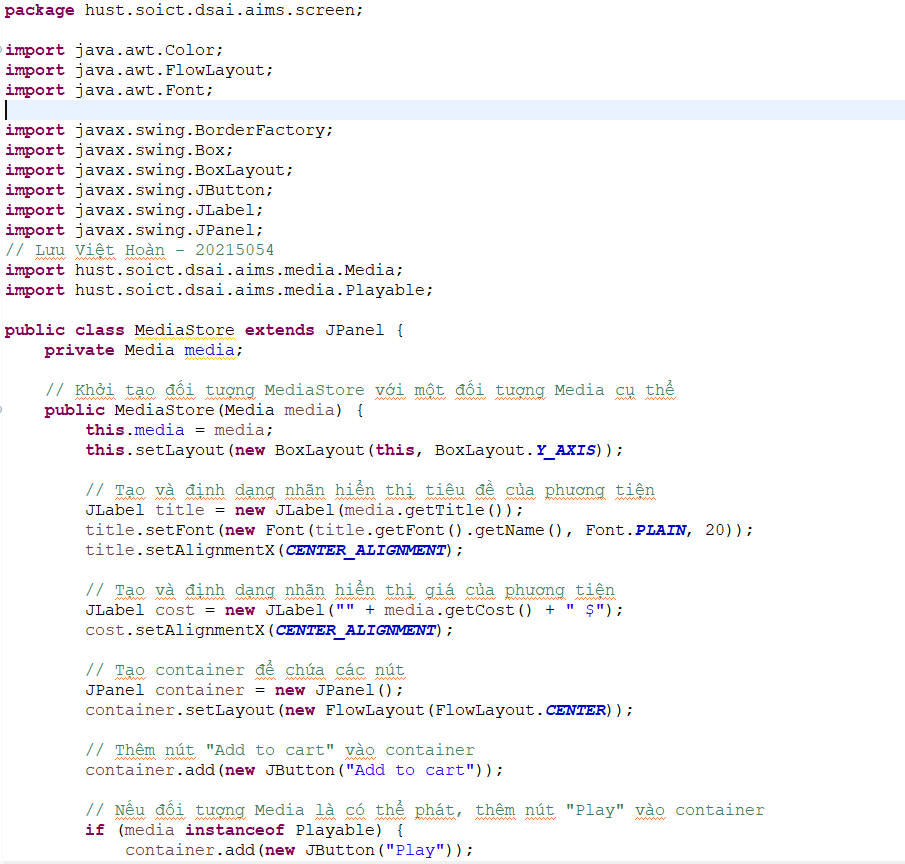


Hình 11. StoreScreen part 2

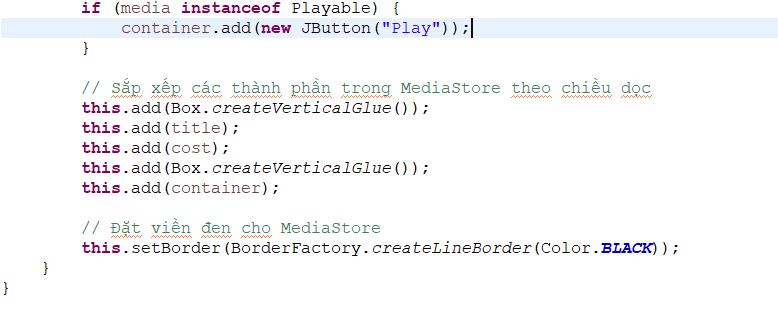


Hình 12. StoreScreen part 3

1. MediaStore



Hình 13. MediaStore part 1

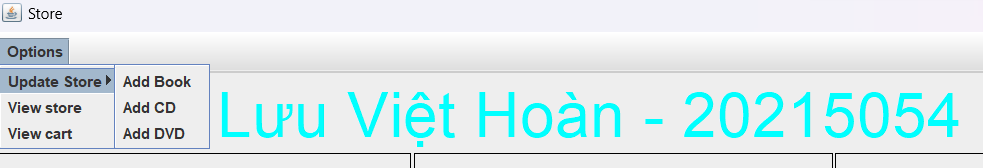


Hình 14. MediaStore part 2

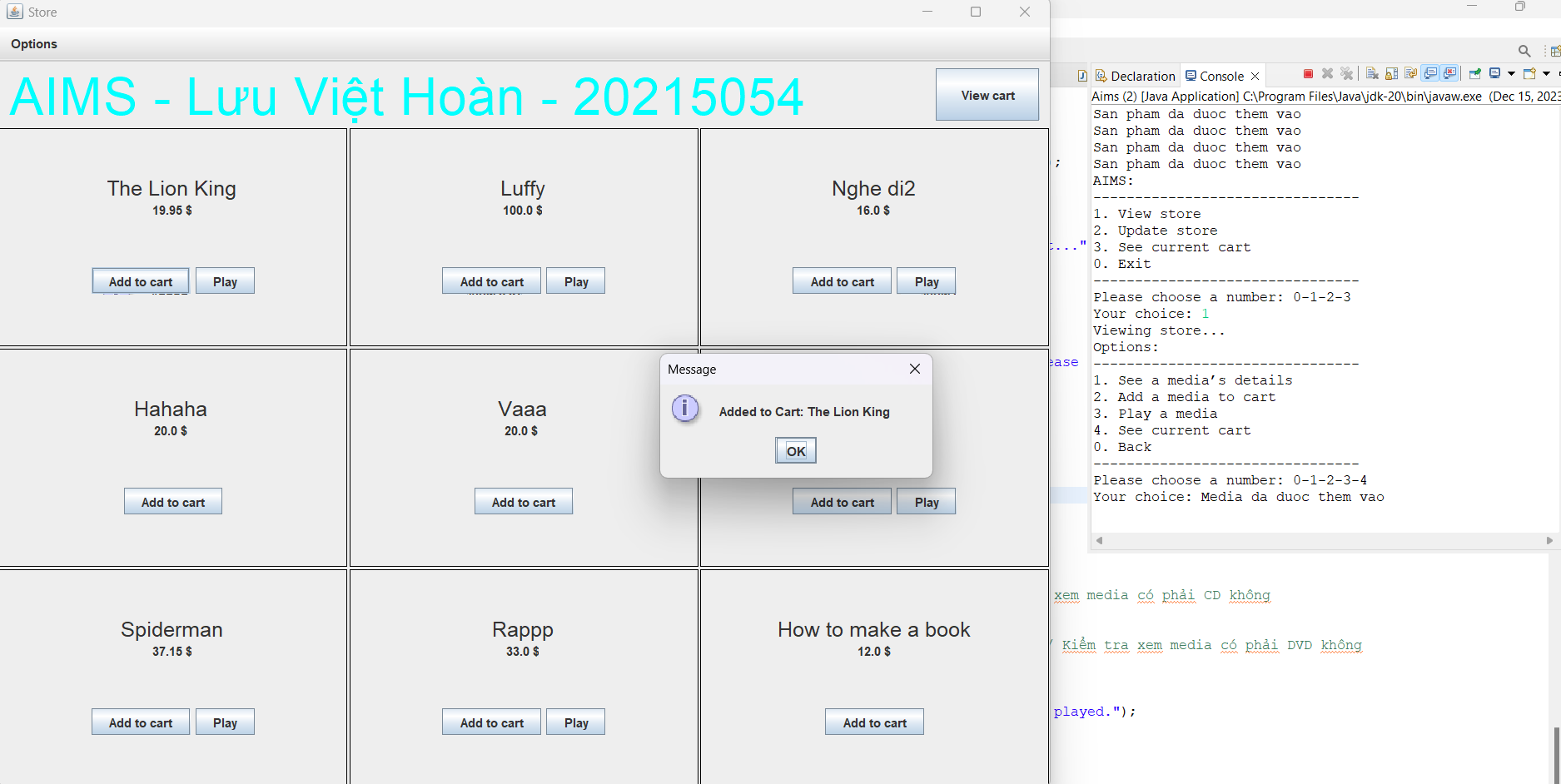
1. Kết quả



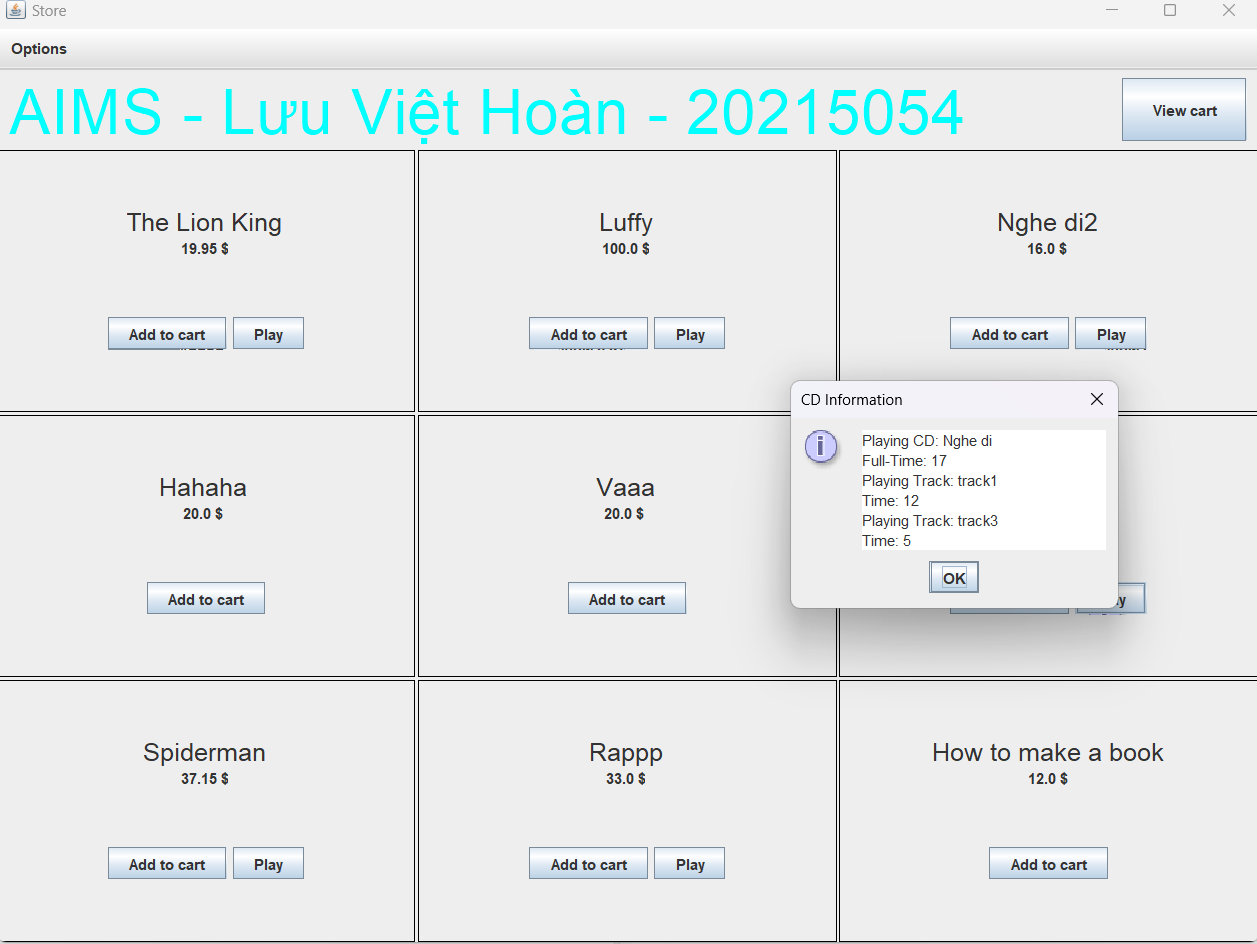
Hình 15. Kết quả 1



Hình 16. Kết quả 2

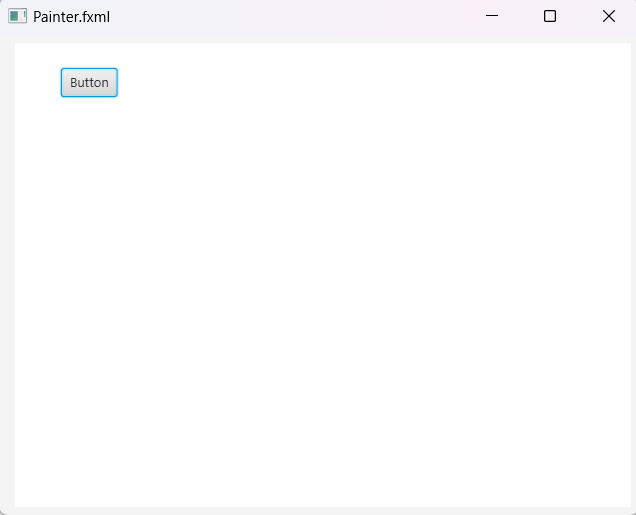


Hình 17. Kết quả add to cart



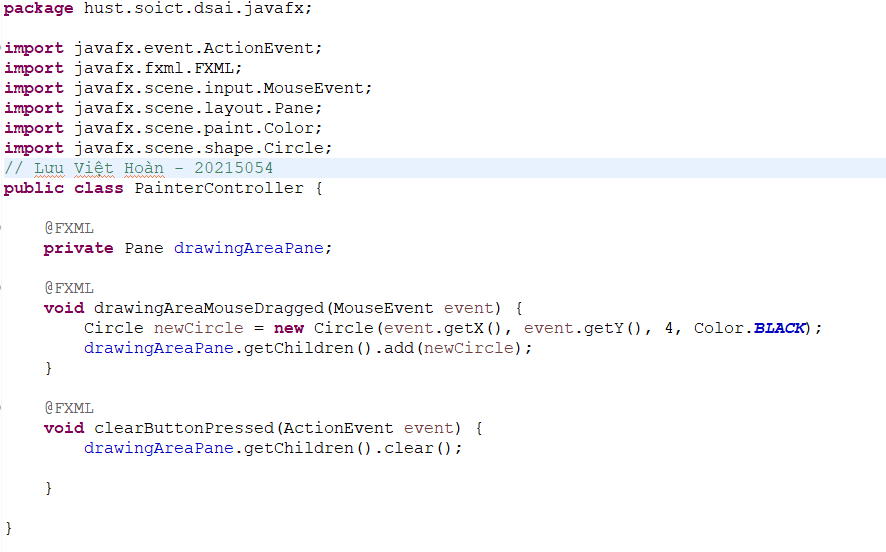
Hình 18. Kết quả play

1. **JavaFX API**
2. Create the FXML file



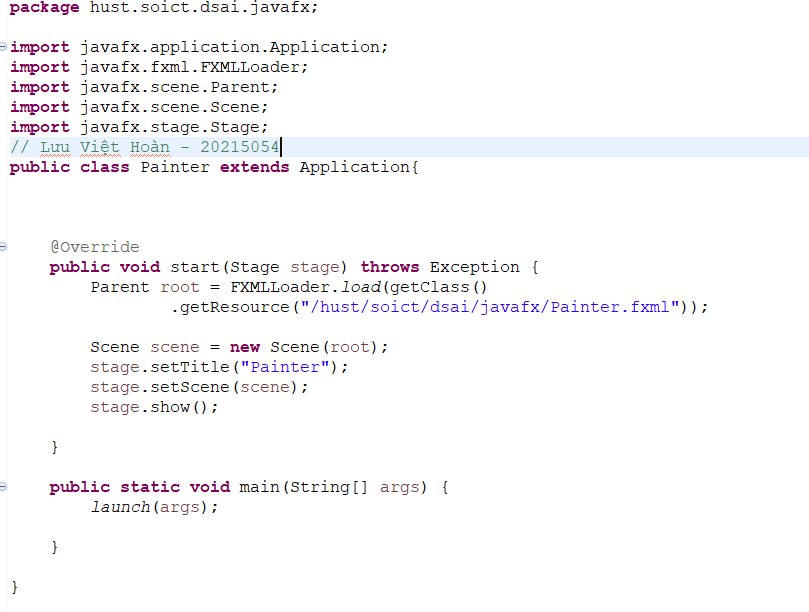
Hình 19. Preview

1. Create the controller class

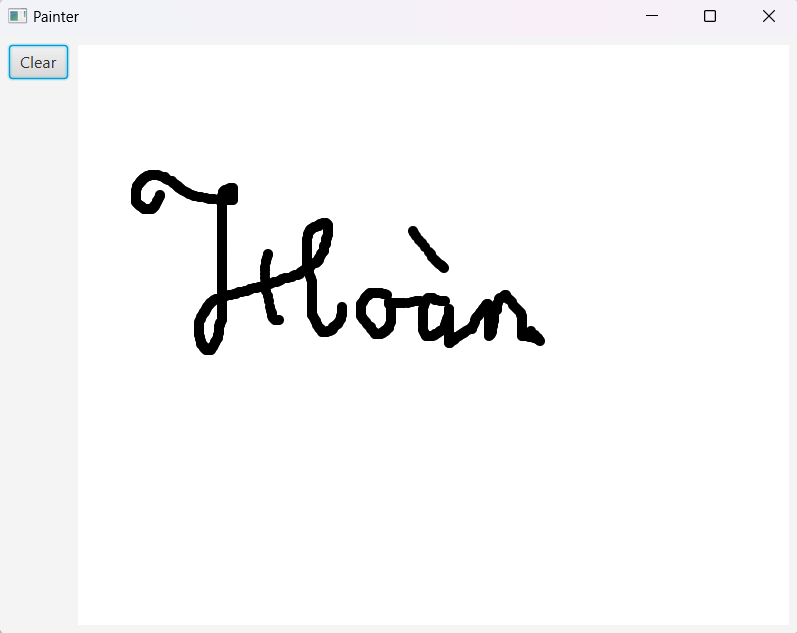


Hình 20. PainterController

1. Create the application



Hình 21. Painter

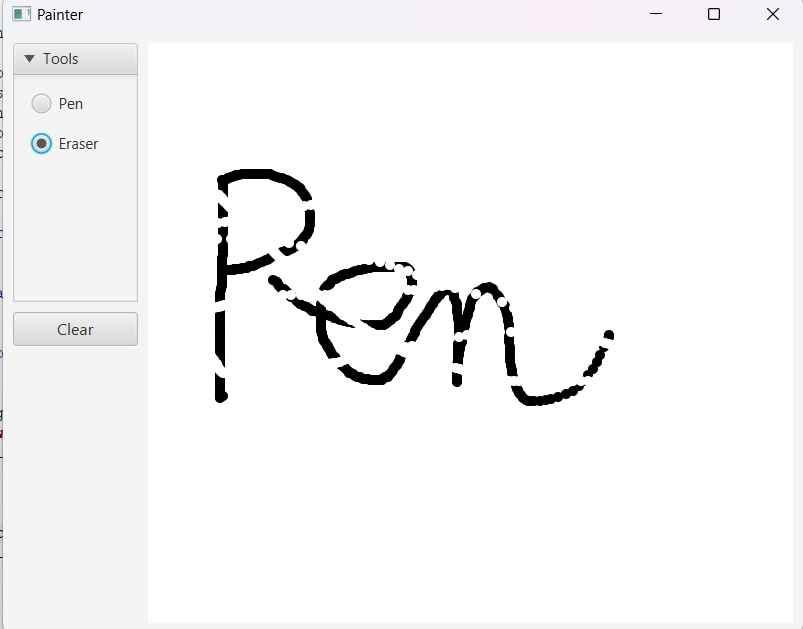


Hình 22. Kết quả Painter

1. Practice exercise

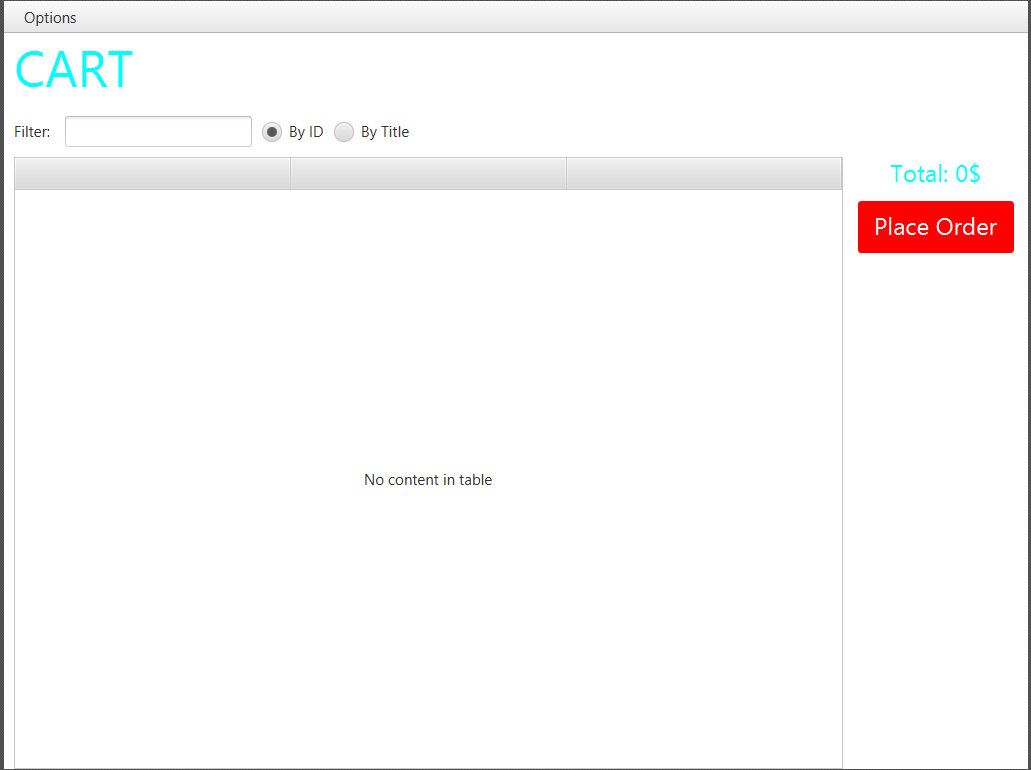


Hình 23. Painter code



Hình 24. Kết quả UpdatedPainter

1. **Setting up the View Cart Screen with ScreenBuilder**



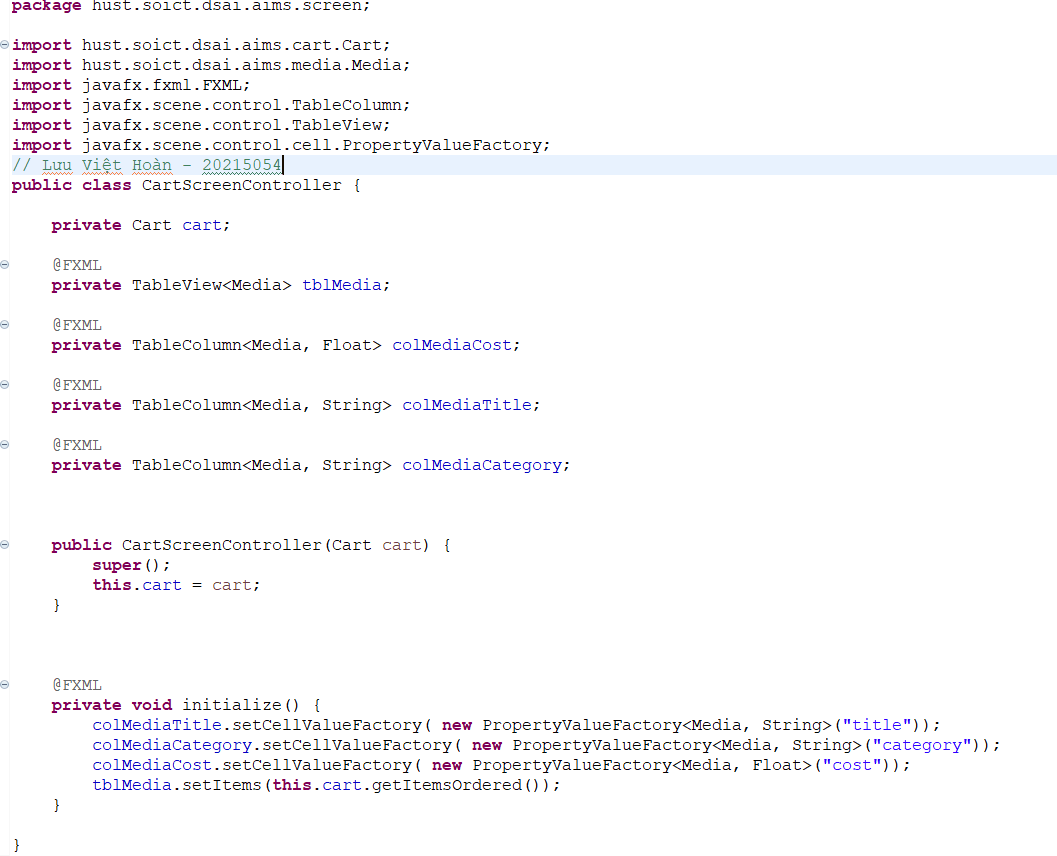
Hình 25. Cart\_Setup

1. **Integrating JavaFX into Swing application – the JFXPanel class**

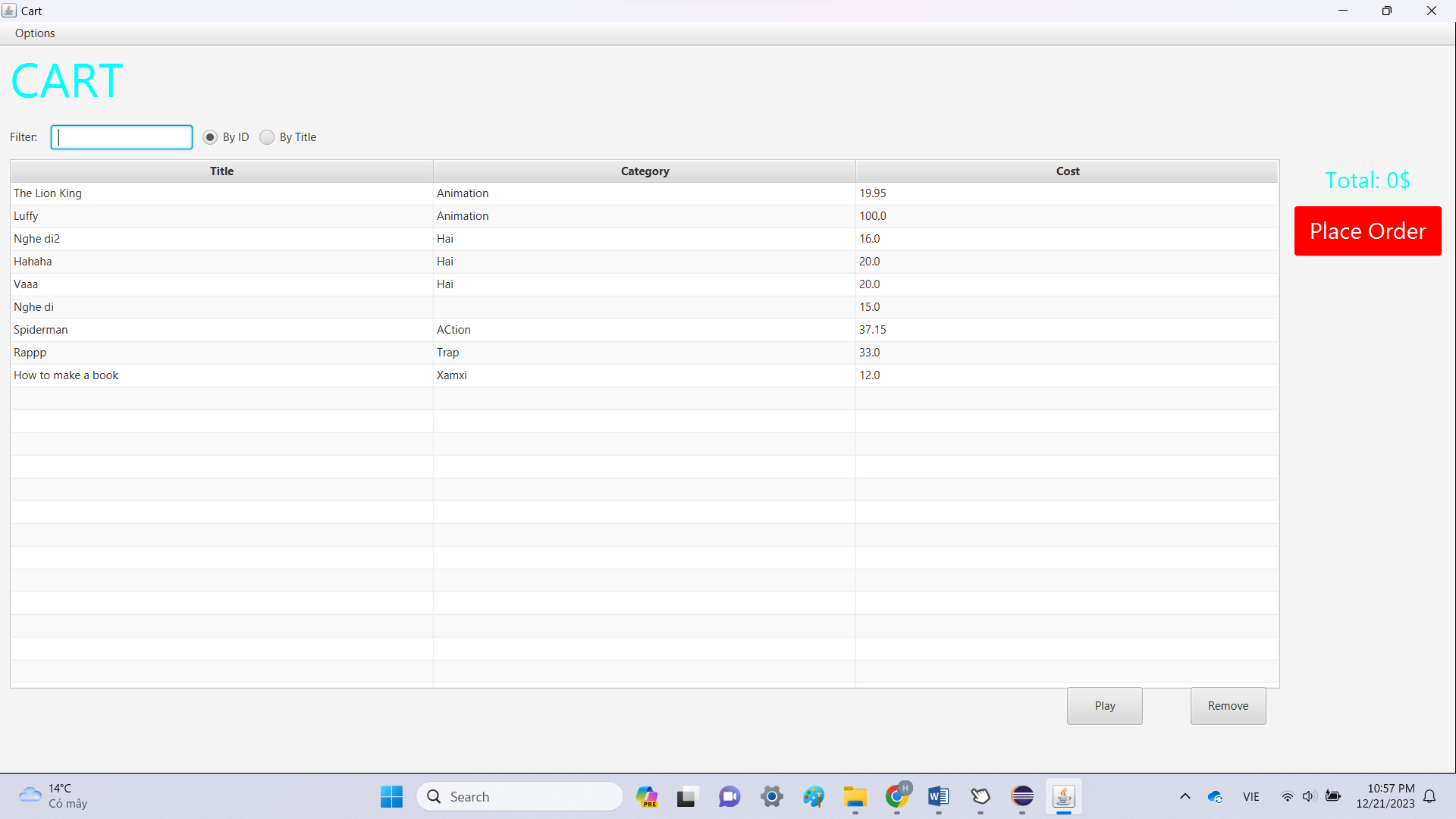


Hình 26. CartScreen

1. **View the items in cart – JavaFX’s data-driven UI**

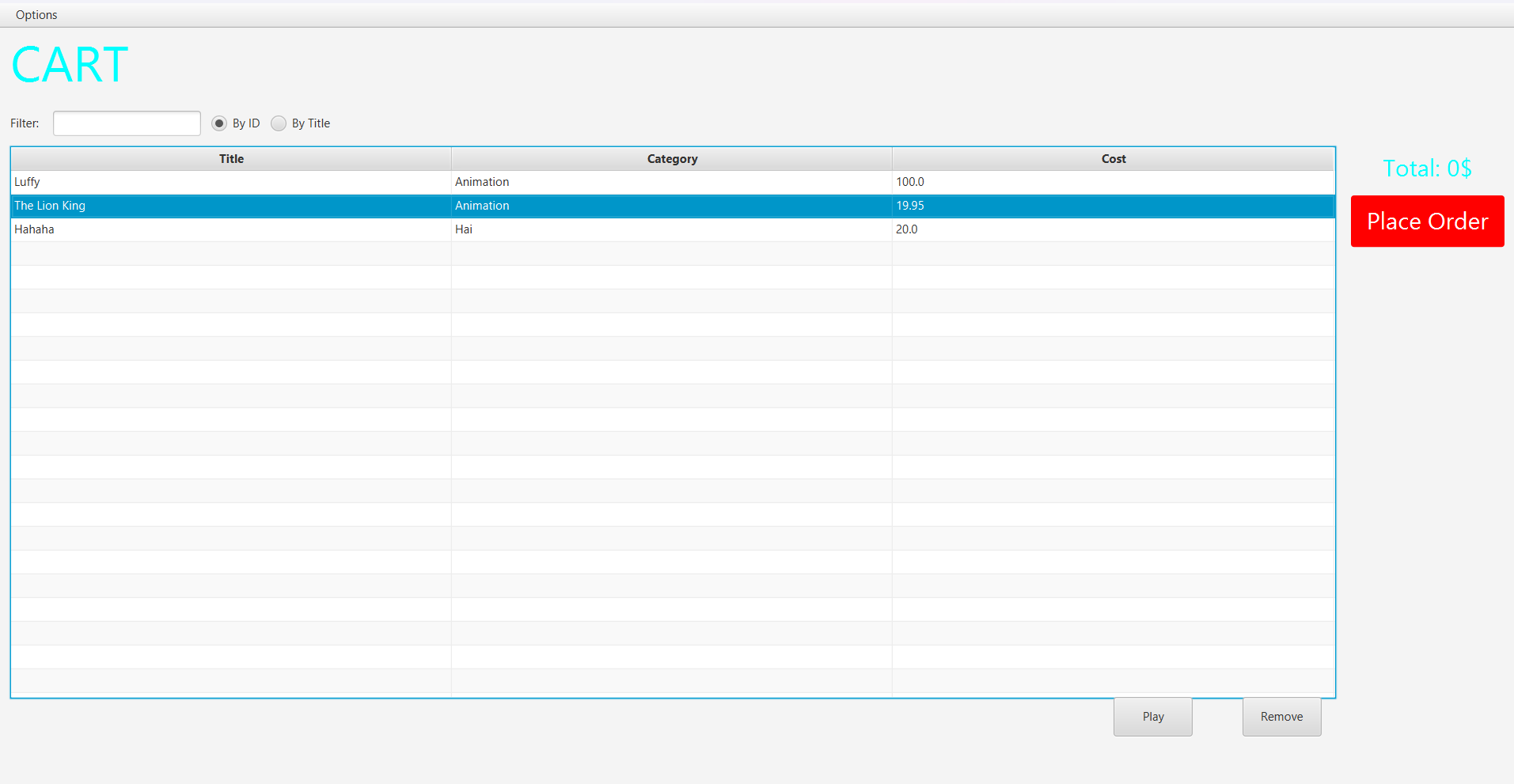


Hình 27. CartScreenController



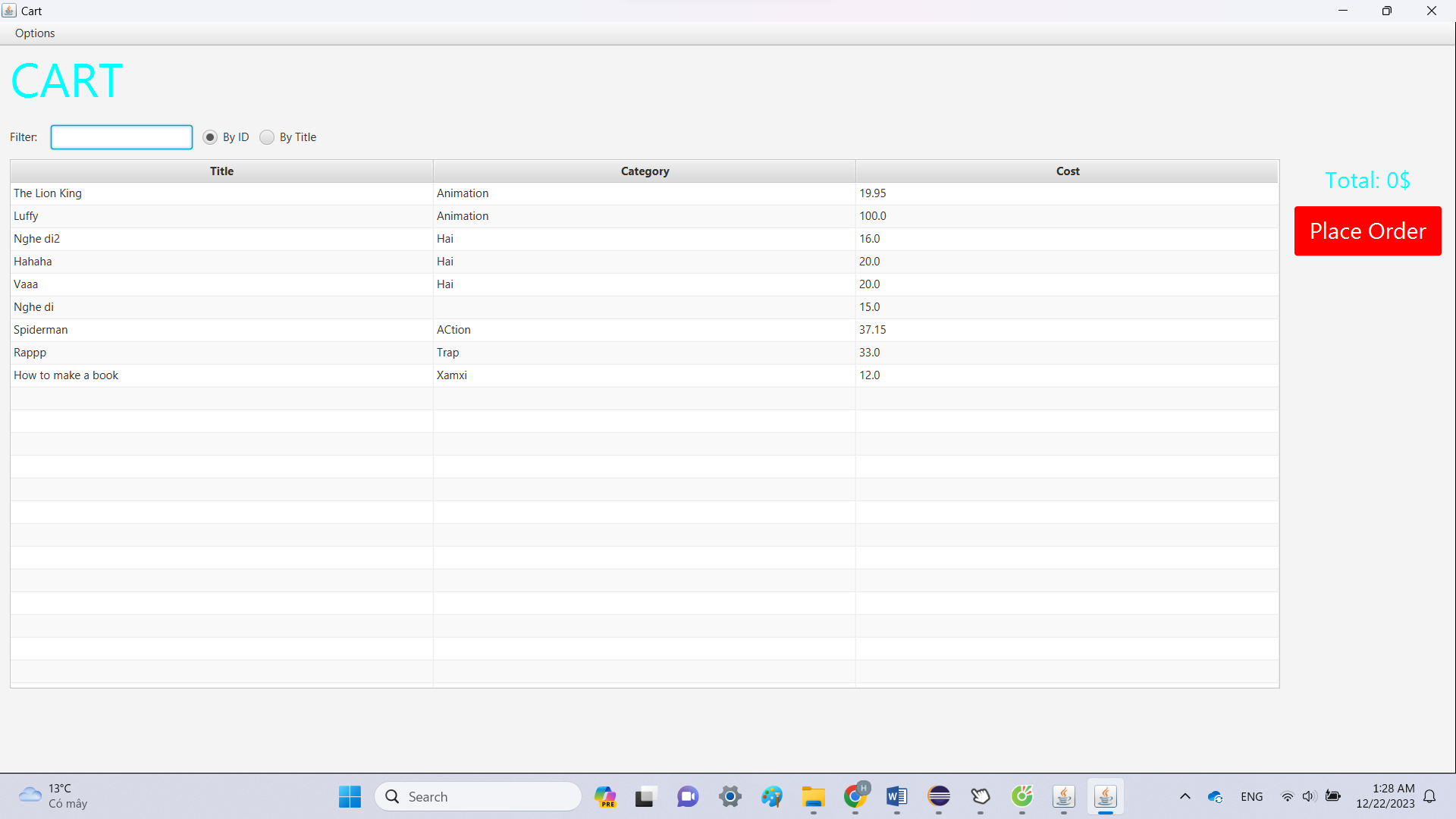
Hình 28. Demo\_View\_Cart

1. **Updating buttons based on selected item in TableView – ChangeListener**

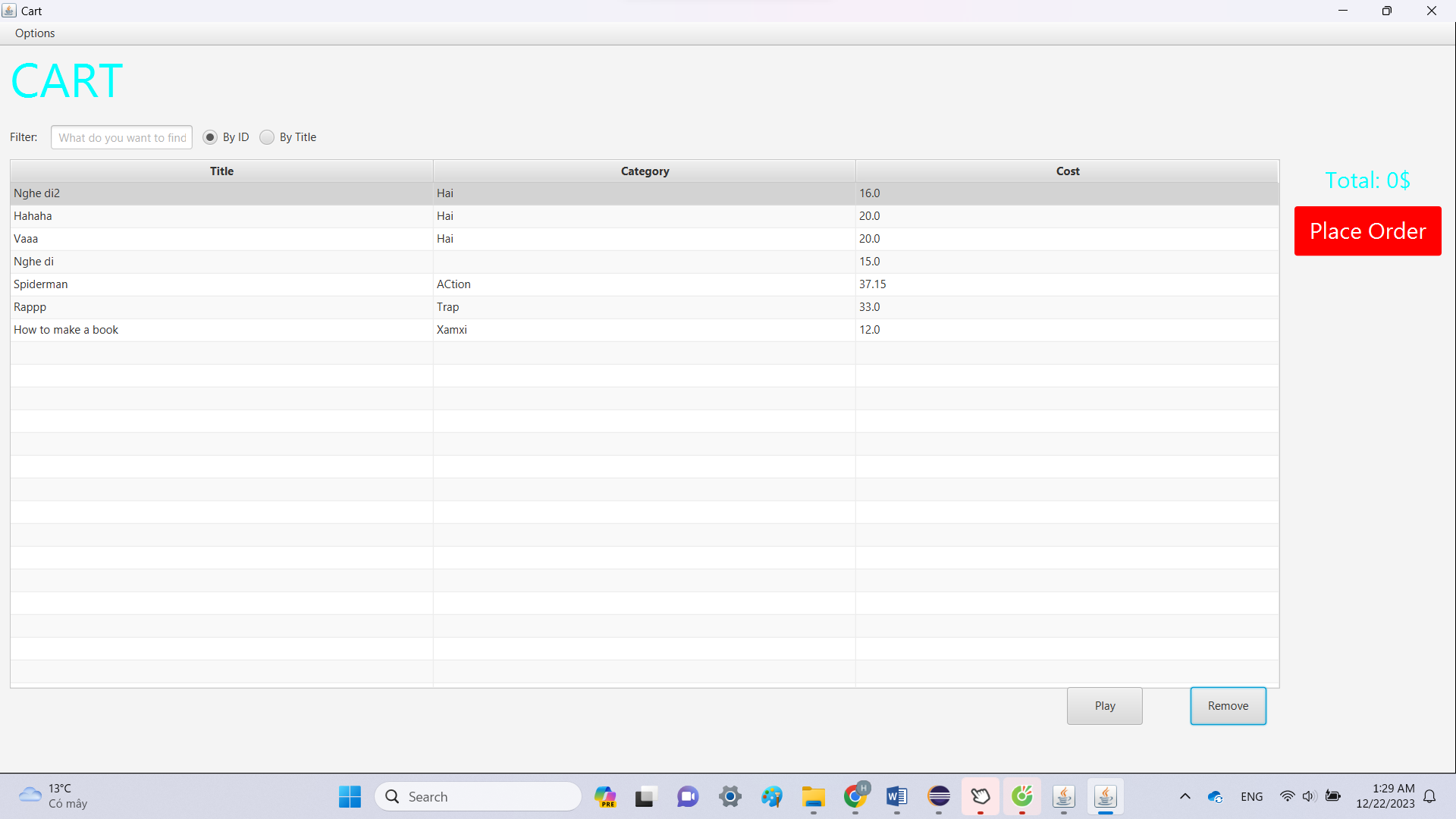


Hình 29. Demo update button

1. **Deleting a media**

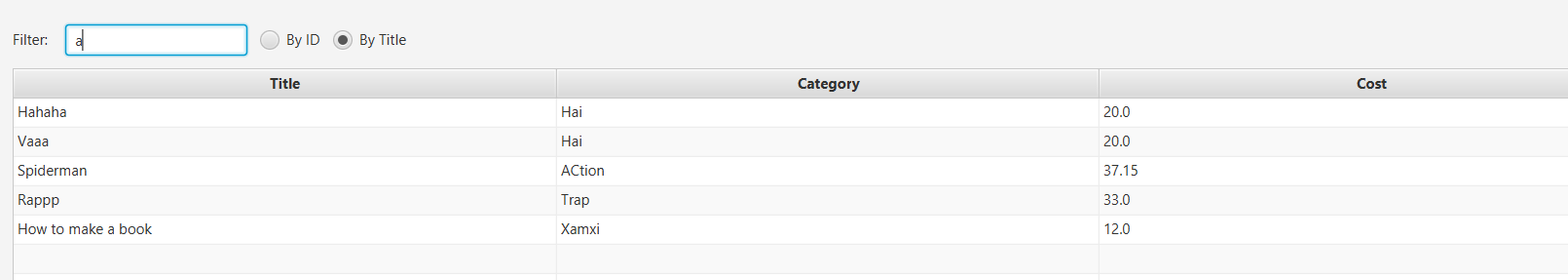


Hình 30. Before\_DeleteMedia

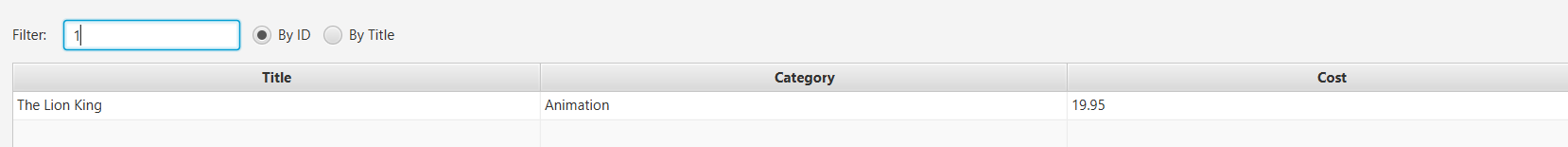


Hình 31. After\_DeleteMedia

1. **Filter items in cart – FilteredList**



Hình 32. Filter\_by\_Title



Hình 33. Filter\_by\_Id

1. **Complete the Aims GUI application**

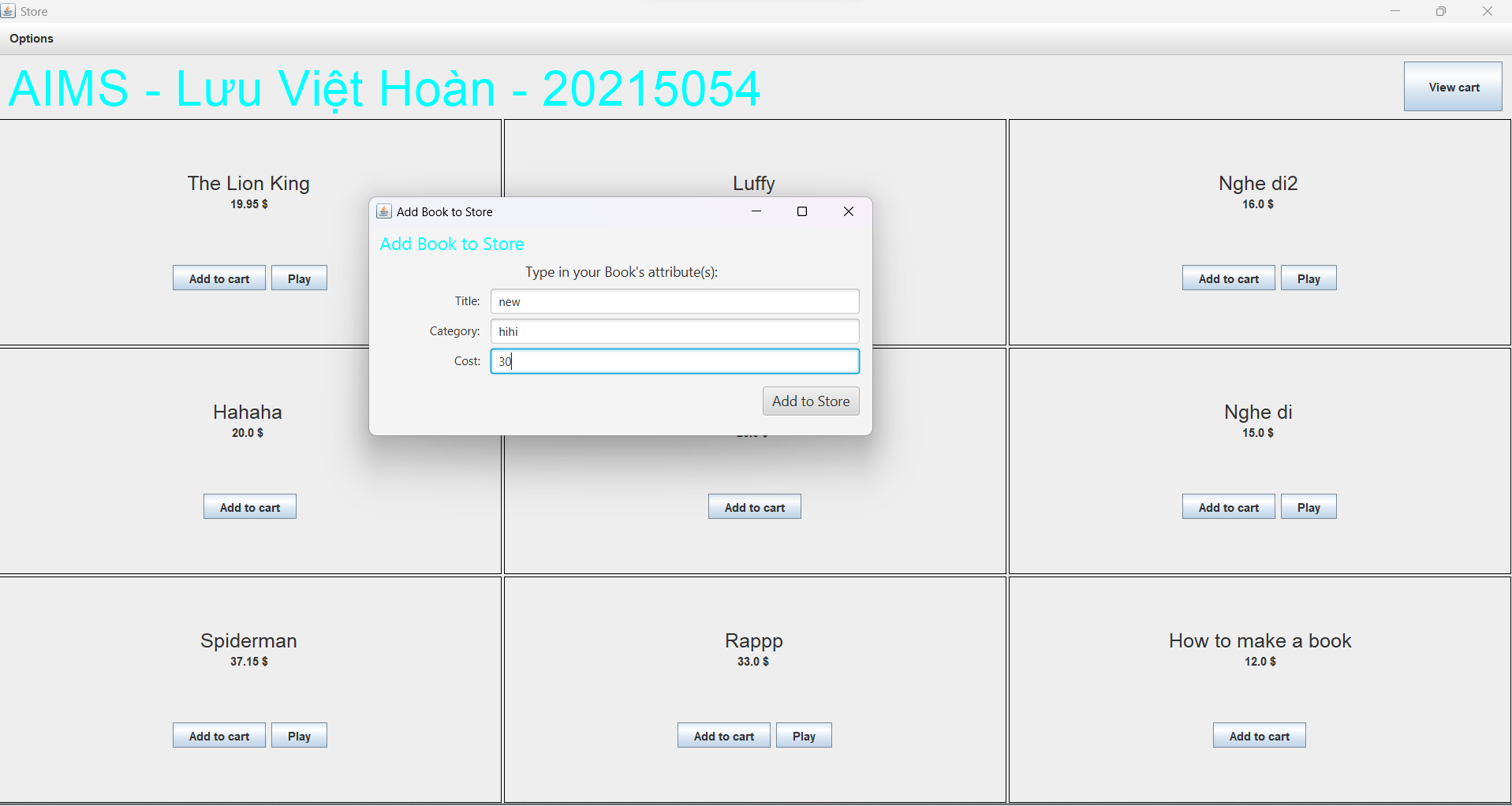


Figure 1. Add\_Book

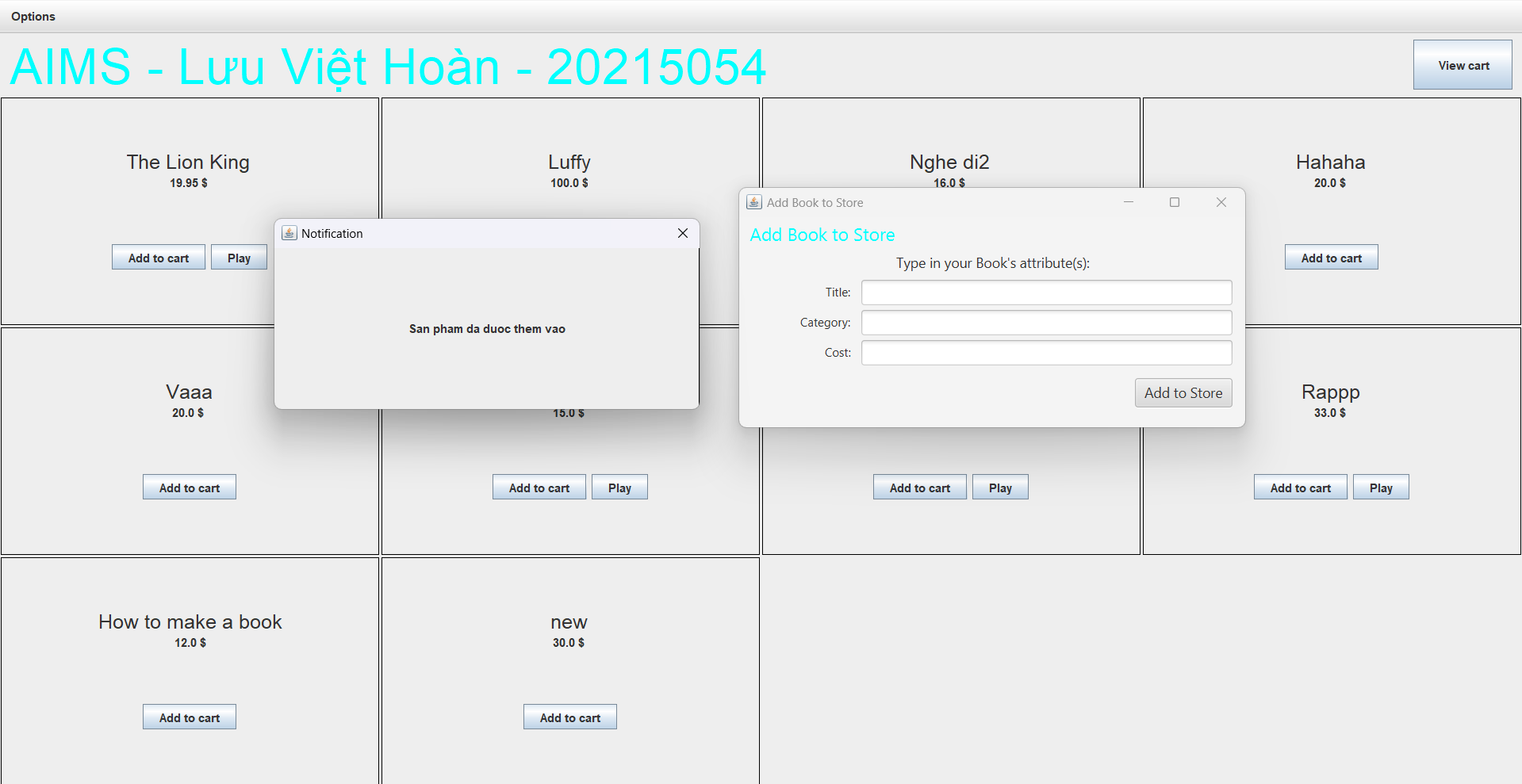


Figure 2. Add Book Kết quả

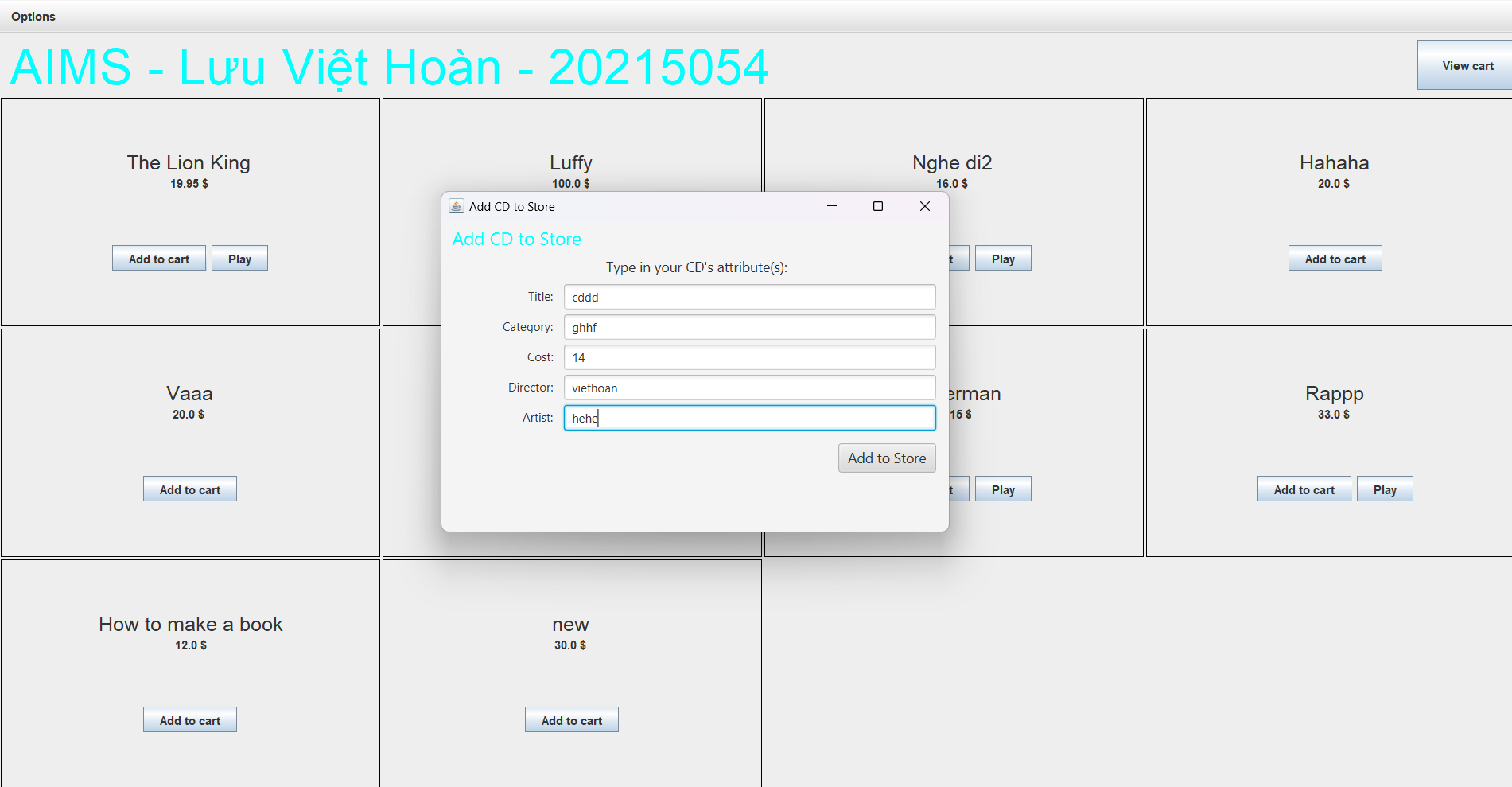


Figure 3. Add CD

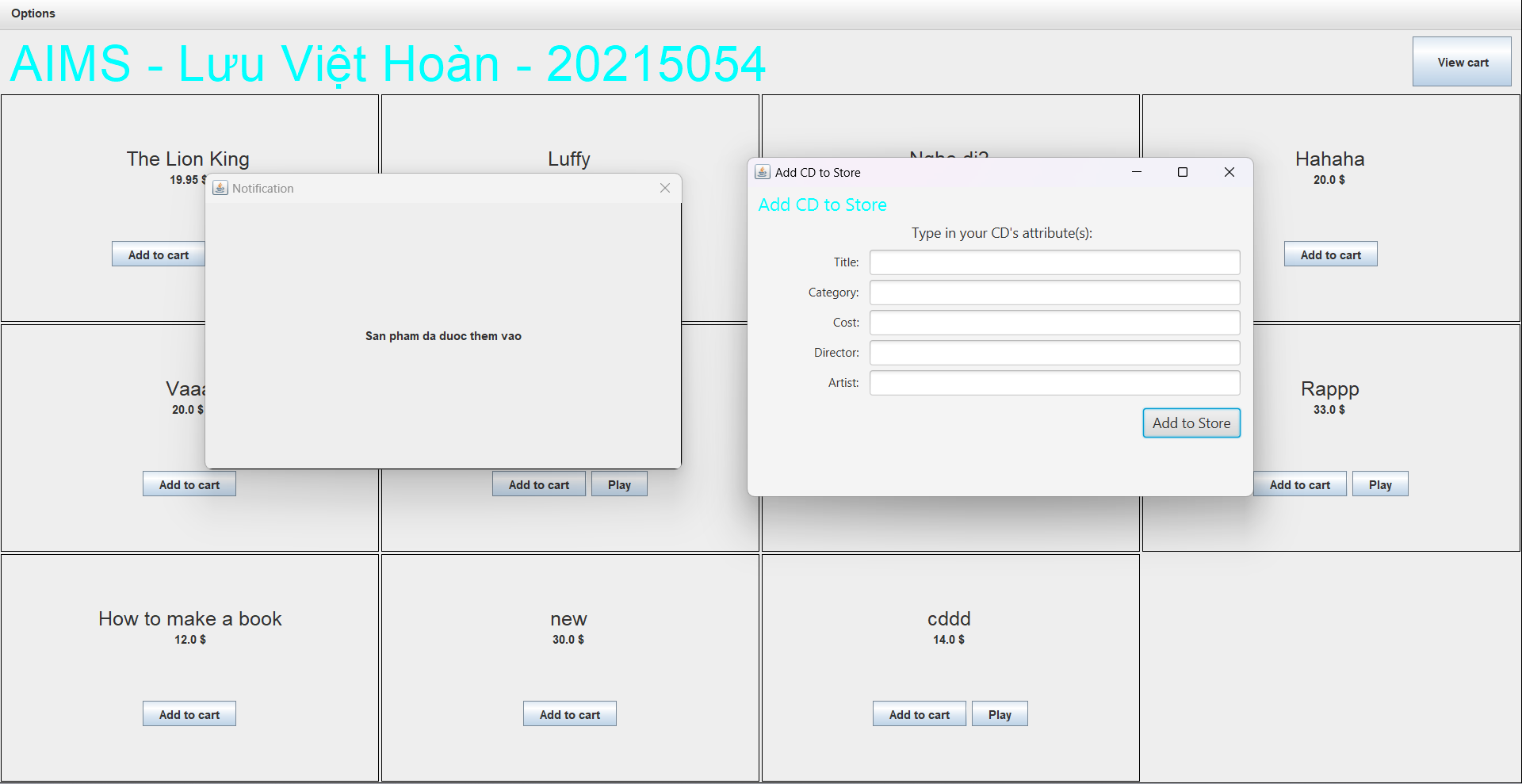


Figure 4. Add CD Kết quả

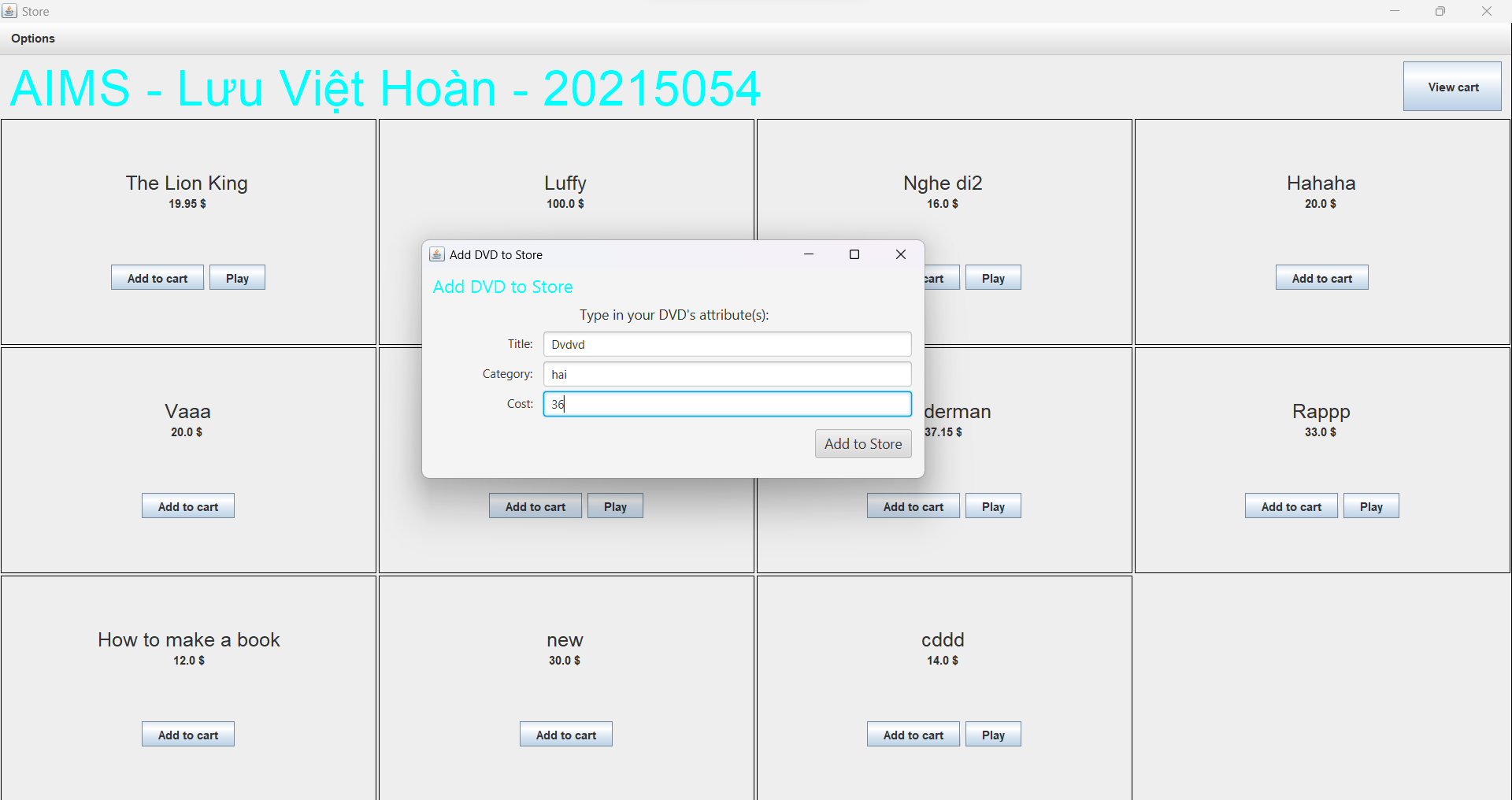


Figure 5. Add DVD

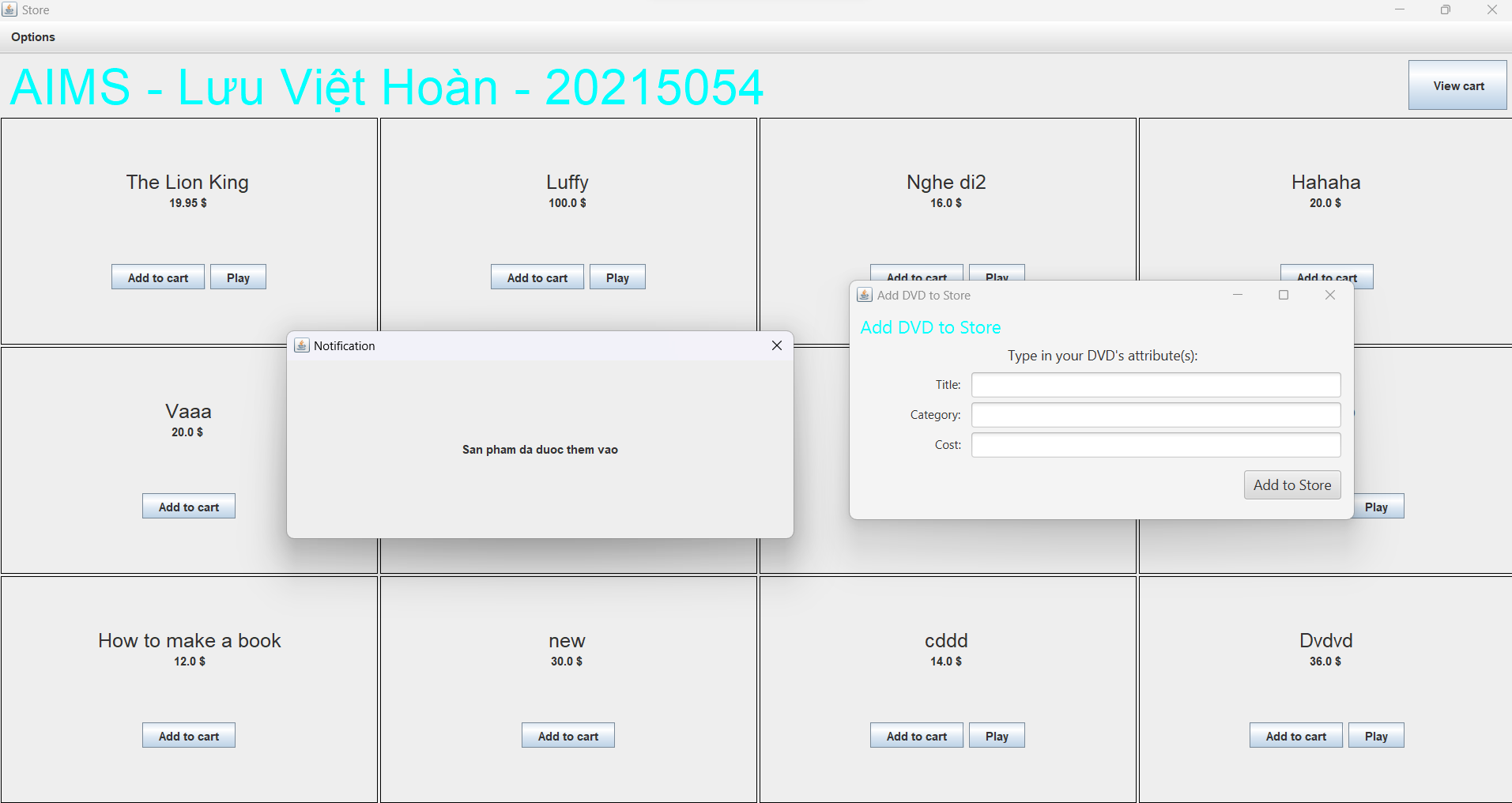


Figure 6. Add DVD Kết quả

1. **Exception**

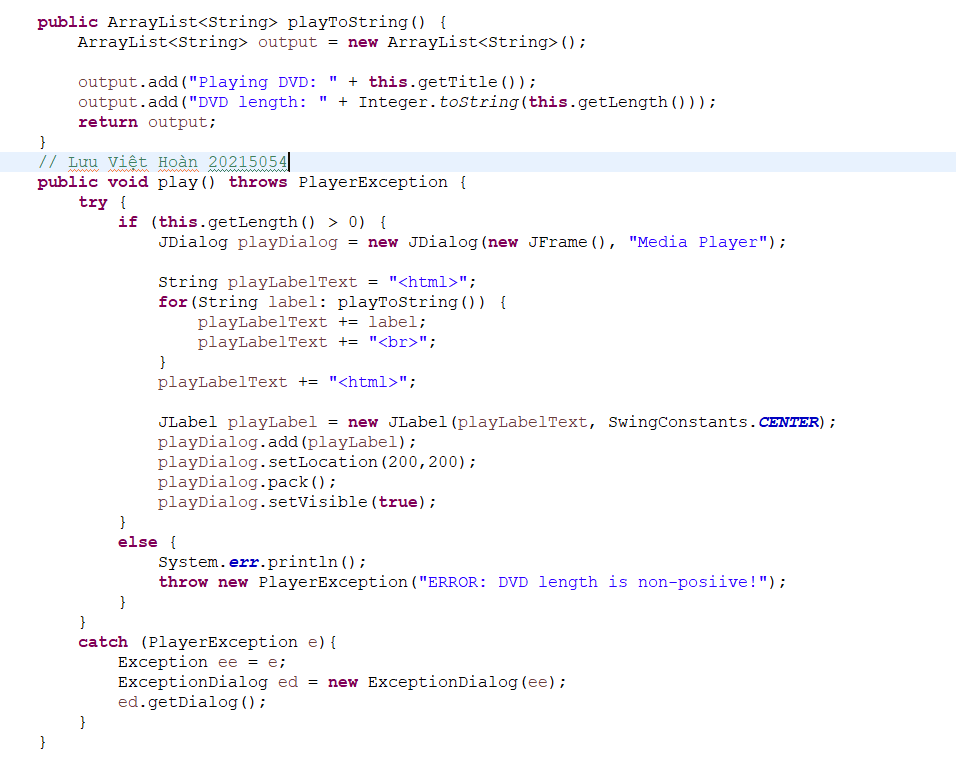


Figure 7. DVD Play

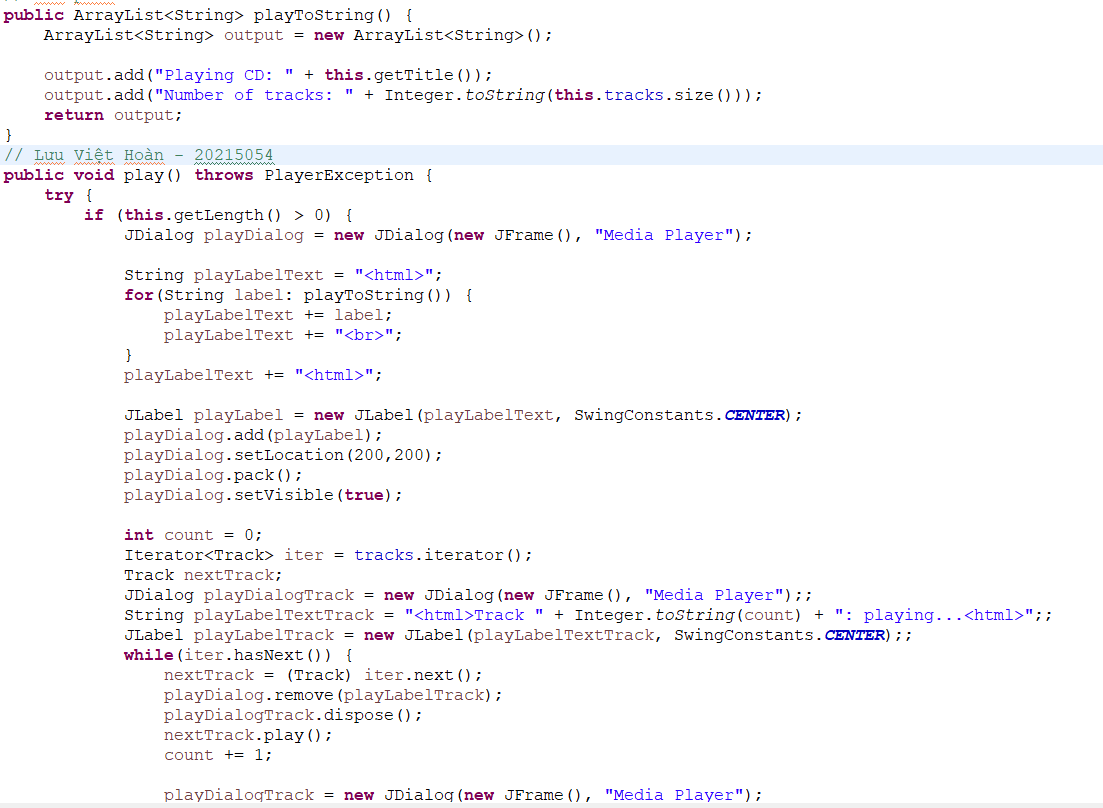


Figure 8. CD play part 1

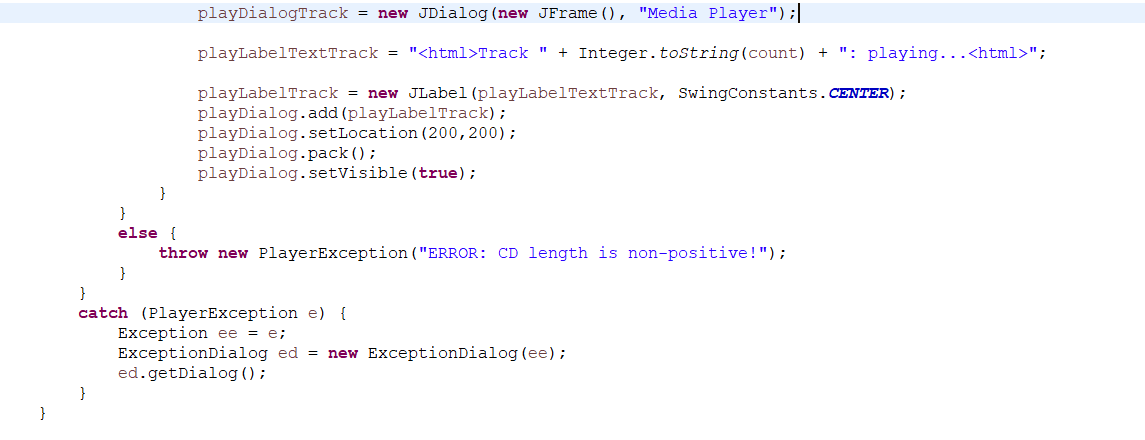


Figure 9. CD play part 2

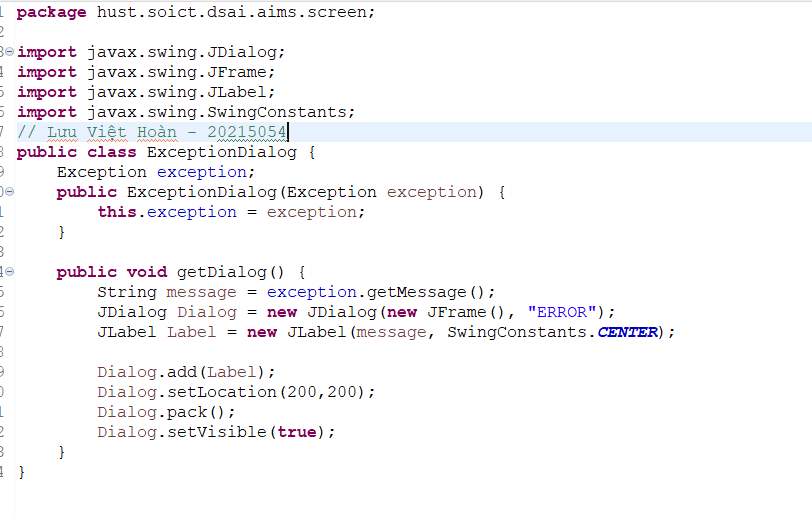


Figure 10. ExceptionDialog