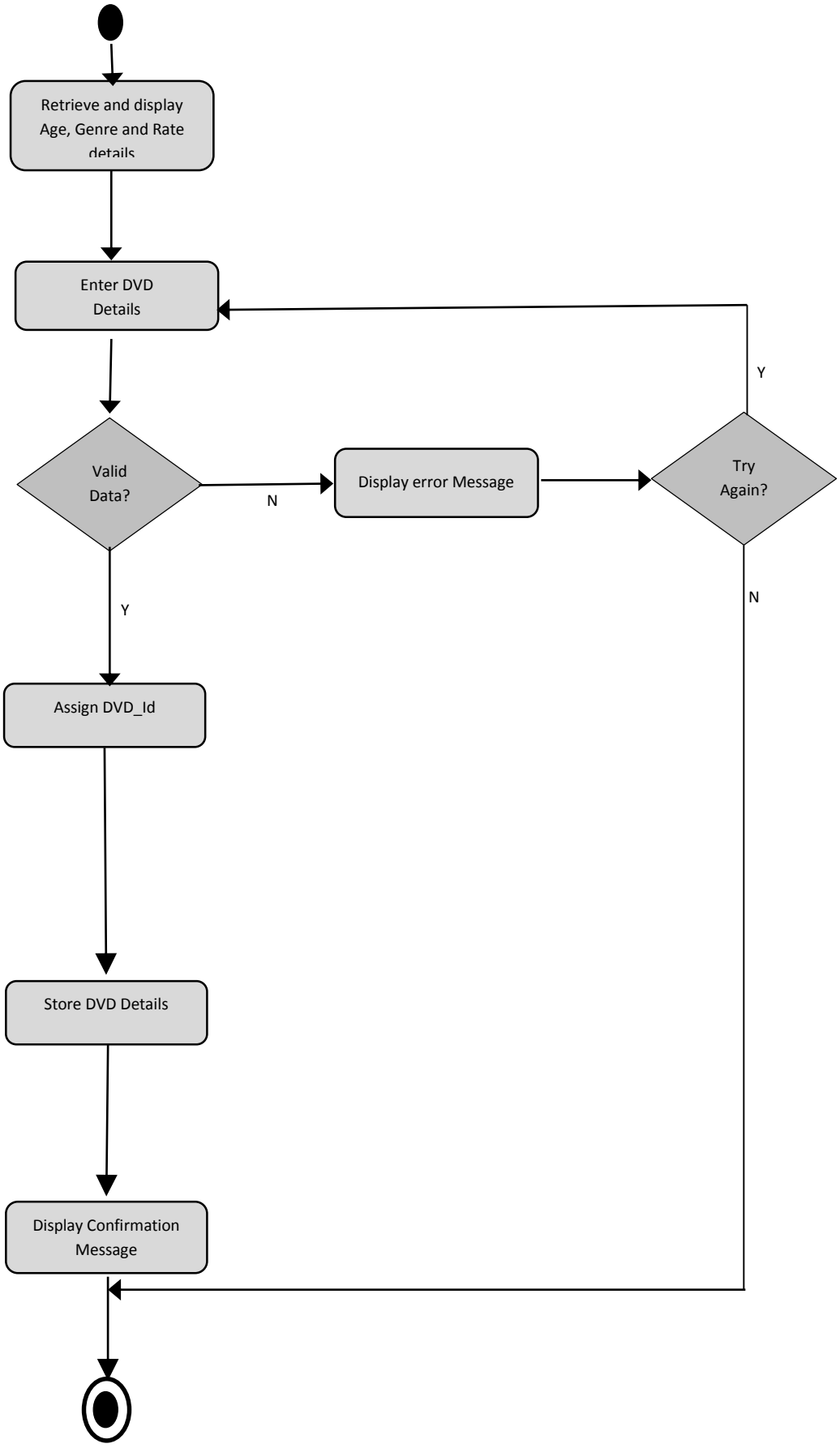
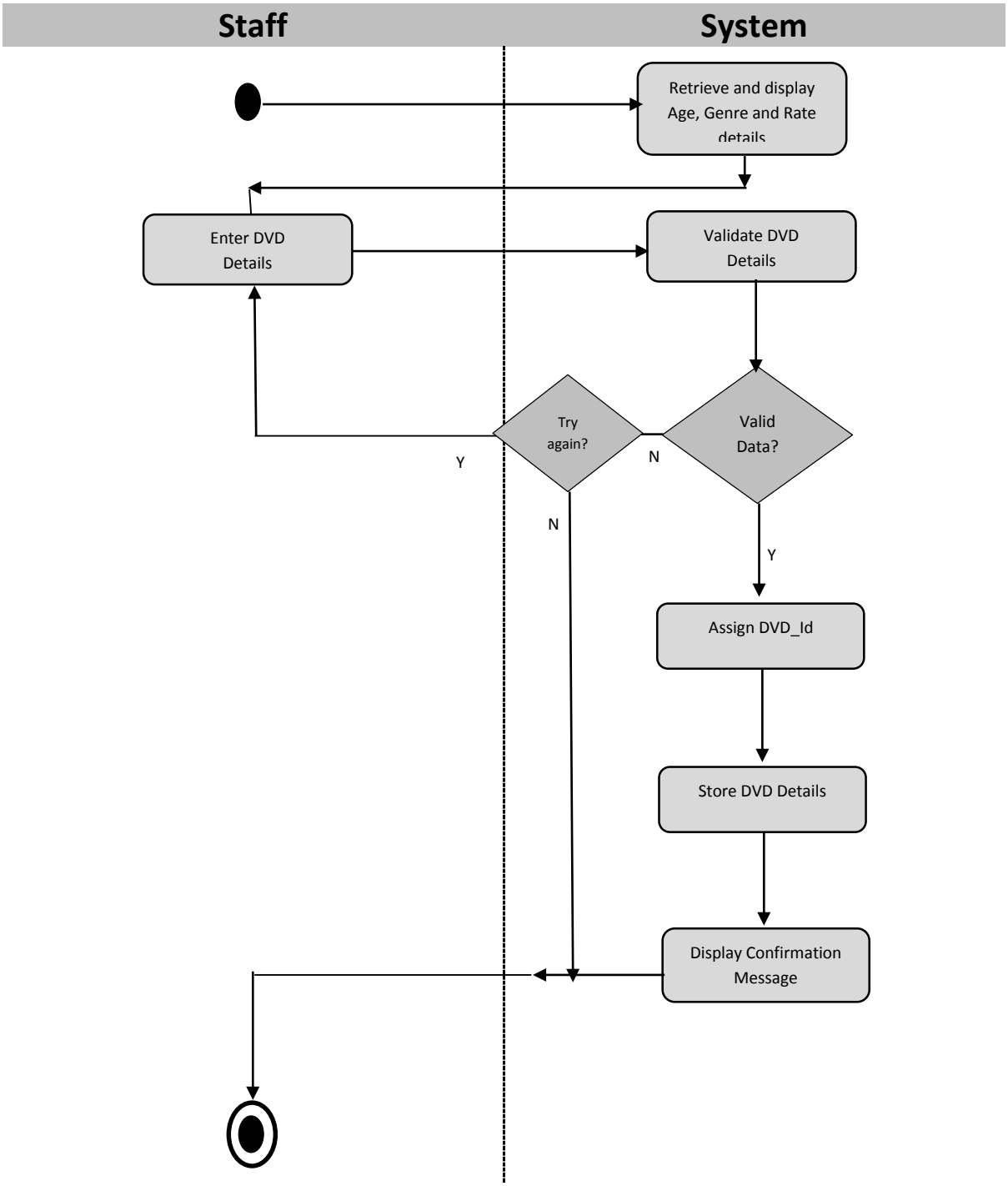
Simple Activity Diagram

Activity: Catalogue DVD



Activity Diagram (using Swim Lanes)

Activity: Catalogue DVD



Use Case Name	Catalogue DVD	
Use Case Id	0001	
Priority	1	
Source	Staff	
Primary Business Actor	Staff	
Other Participating Actors		
Description	Each DVD available for rental must be recorded in the system.	
Preconditions	DVD must be physically in the store before it can be catalogued.	
Trigger		
Typical Scenario	**Actor Action**	**System Response**
	Step 1: The staff member invokes the Catalogue DVD function. **Step 3:** The staff member enters the required DVD details: • Title • Age Rating • Genre • Rate Type	**Step 2:** The system retrieves details of allowed age ratings from the Ratings file, details of allowed genres from the Genre file and details of current rate types from the Rates file and displays on the user interface. **Step 4:** The system validates the data entered: • All fields are required **Step 5:** The System determines the next DVD_Id and assigns the DVD a status of 'Available'. **Step 6:** The DVD details are stored in the DVD file. **Step 7:** The system displays a confirmation message on the user interface.
Alternate Scenarios	**Actor Action**	**System Response**
Invalid Data Entered	**Step 7:** The staff member re- enters the required DVD details.	**Step 4:** The system validates the data entered: • Required field is not entered **Step 5:** The system displays the appropriate error message on the user interface **Step 6:** The system asks the user if they wish to try again.
Conclusions	The DVD details have been stored.	
Post conditions	The DVD may now be rented.	

Business Rules	
Implementation Constraints	