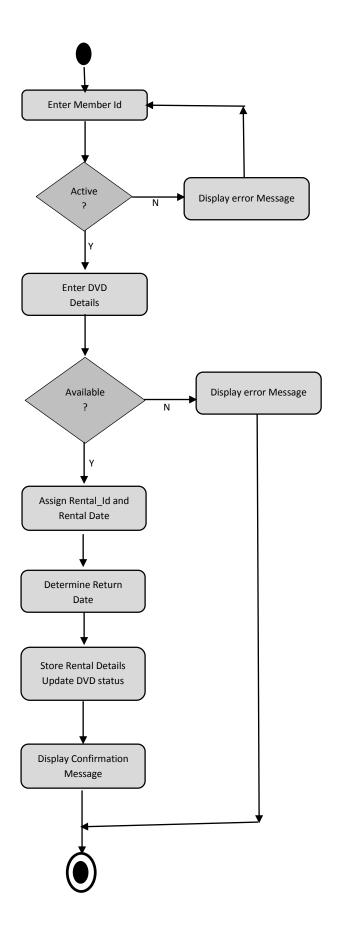
Activity: Rent DVD



Use Case Name	Rent DVD	
Use Case Id	0007	
Priority	1	
Source	Staff	
Primary Business Actor	Staff	
Other Participating Actors	Member	
Description	When a member rents a DVD, details of the rental are stored on the	
·	system.	
Preconditions	Only registered members may rent a DVD	
Trigger		
Typical Scenario	Actor Action	System Response
	<b>Step 1:</b> The staff member invokes the Rent DVD function.	Step 2: The system displays the UI
	Step 3: The staff member enters the membr_Id	Step 4: The system validates the Member_Id entered:  • Is Member_Id entered  • Is Member_Id numeric  Step 5: The System retrieves the Member details from the Member file and displays on the UI
	Step 6: The staff member enters the required DVD_Id	Step 7: The system validates the DVD_Id entered:  • Is DVD_Id entered  • Is DVD_Id numeric  Step 8: The System retrieves the DVD details from the DVD file and displays on the UI  Step 9: The system assigns a Rental_Id  Step 10: The system assigns the Rental_Date
	<b>Step 13:</b> The staff member confirms the rental	Step 11: The system determines the expected return date  Step 12: The system displays the rental details on the UI and awaits confirmation  Step 14: The system stores the rental details in the Rental File.  Step 15: The system updates the DVD status to 'unavailable'

		Stan 16: The system increments the
		Step 16: The system increments the number of DVDs on loan by the member by 1
		member by 1
		<b>Step 17:</b> The system displays a confirmation message.
Alternate Scenarios	Actor Action	System Response
Invalid Member_Id	Actor Action	Step 4: The system validates the
		Member_Id entered:
		Member_Id is not entered
		Member_Id is not numeric
		Step 5: The system displays the
		appropriate error message on the
	Store C. The stoff manual areas on town	user interface
	<b>Step 6:</b> The staff member re- enters the Member_Id	
Member Details not found		<b>Step 5:</b> The System fails to retrieve
		the Member details from the
		Member file and displays on the UI
		Step 6: The system displays the
		appropriate error message on the
		user interface
	<b>Step 7:</b> The staff member re- enters	
	the Member_Id	
Invalid DVD_Id		Step 7: The system validates the
		DVD_Id entered:
		DVD_Id is not entered
		DVD_Id is not numeric
		Step 8: The system displays the
		appropriate error message on the
	Ston Q. The stoff member so enters	user interface
	<b>Step 9:</b> The staff member re- enters the DVD_Id	
	_	
Conclusions	The Rental details have been stored.	
	The DVD status is updated to 'unavailable'.  The member has one more DVD rented.	
Post conditions	The DVD may now not be rented.	

Business Rules	Member must be an active member Member must not have any unpaid fines Member may not exceed limit of 5 DVDs on loan DVD must be 'available'	
Implementation Constraints		