

AVK

Rent Video Use Case

Fully Developed Use Case Description

Activity Diagram

System Sequence Diagram

Use Case Name:	Rent Video
Scenario:	NONE
Triggering Event:	Customer wants to rent a video
Brief Description:	Customers select videos they want to rent in the kiosk and then check them out. Customers rent videos for seven days at a time. Every time a customer wants to rent a video, the system must ensure that they do not have any overdue videos. If they do, the overdue videos must be returned, and an overdue fee paid before the customer can rent more videos. The customer should be charged for rented and overdue videos, directly to their credit card.
Actors:	Customer
Related Use Cases:	Invokes Process Payment use case.
Stakeholders:	AVK mgmt, Kiosk Manager, customer
Preconditions:	CustomerTransaction, RentedVideos tables must exist. Customer record must exist. Video and VideoCopy records for videos to be rented must exist. Kiosk must exist. Payment service must exist.
Postconditions:	CustomerTransaction and RentedVideos records are created. Customer is associated with CustomerTransaction and RentedVideos with VideoCopy. Status of the VideoCopy records for those video copies rented out is changed to “CheckedOut”. Receipt is printed.
Flow of Activities:	
Actor	System
1. The customer enters their AVK Card number	1.1 The system checks for customer. 1.2 If the customer exists, the system checks for overdue videos 1.3 If the customer does not have overdue videos the system prompts the customer to enter the videos the customer wants to rent.
2. The customer enters the video and repeats step 2 until finished with all videos the customer wants to rent	2.1 The system creates a CustomerTransaction and RentedVideos records, updates the video records in the videoCopy table as CheckedOut. 2.2 The system prompts the customer to see if they want to rent more videos. 2.3 Once the customer is finished, the system displays the totaldue and prompts for payment.
3. The customer selects pay	3.1 The system invokes the “Process Payment” use case
Exception Conditions:	1.1 AVK card number is invalid/does not exist in customer database. Reprompt customer. 1.2 If the customer has overdue videos, the system notifies the customer and terminates the use case. 3.1 The customer does not want to pay. End the use case.



