

Video Super Rent (VSR)
Use-Case Specification: Customer rents DVD(s)

Version <1.0>

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Use-Case Specification: <Use-Case Name> Customer rents DVD(s)	Date: 30.10.2021.
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Revision History

Date	Version	Description	Author
30.10.2021.	1.0	First draft. To be refined primarily during elaboration	Adelisa Sirco and Sadifa Ceman

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Use-Case Specification: Customer rents DVD(s)

1. Customer rents DVD(s)

1.1 Brief Description

A customer arrives at checkout with DVD case(s) to be rented. The cashier uses the system to record the transaction. Upon finishing the transaction, the system has presented a total cost and line details for each rented DVD. The customer pays and the system records the payment, updates the inventory and presents a receipt. The customer receives the receipt and leaves with the rented DVDs.

2. Flow of Events

2.1 Basic Flow

1. Customer arrives at the checkout with cases of DVD(s) to be rented
2. Cashier scans customer's membership card
3. Cashier scans DVD's ID
4. System records line item and presents the title, rental date, duration
5. Cashier fills out the case with the appropriate DVD
Cashier repeats steps 3-5 until all DVD's are scanned
6. System presents a total cost of rented DVDs
7. Cashier tells the Customer the total price and asks for a payment
8. Customer pays and System handles the payment
9. System updates the inventory
10. System presents a receipt
11. Customer leaves with receipt and DVDs

2.2 Alternative Flows

2.2.1 *The Customer does not have a valid membership*

1. The System signals error and rejects the scan
 - 1a. The Cashier enters the membership ID by hand
2. The membership needs to be made for the first time
 - 2a. The Cashier asks the Customer to produce a valid ID
 - 2b. The Customer gives the Cashier their ID
 - 2c. The Customer receives a free membership

2.2.2 *Customer tells Cashier to remove a DVD from the transaction*

1. Cashier enters the DVD's ID for removal
2. System recalculates and updates the total price for the transaction

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3. Special Requirements

3.1 < First Special Requirement >

The actual DVDs that Cashier will fill DVD cases with, are close to the checkout counter for easier access

3.2 <Second Special Requirement>

When paying with a credit/debit card, authentication within 30 seconds 80% of time

4. Preconditions

4.1 < Precondition One >

Cashier is identified and authenticated.

4.2 <Precondition Two>

Video(s) is/are available to be rented.

4.3 <Precondition Three>

Customer has a membership card.

5. Postconditions

5.1 < Postcondition One >

Videos are rented out.

5.2 <Postcondition Two>

The system's information about inventory and accounting is updated accordingly.

6. Extension Points

6.1 Customer pays by credit/debit card

In Step 8 of Basic Flow of events, the customer decides to pay by credit/debit card

1. Customer enters their credit/debit account information
2. System sends authorization request and requests payment approval
 - 2a The card is denied and Cashier asks Customer for alternate payment
3. System receives authorization and payment approval
4. System records the card payment along with payment approval and the card is returned to the Customer

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6.2 Customer pays by cash

In Step 8 of Basic Flow of events, the customer decides to pay by cash.

1. Cashier enters the cash amount that the Customer gave them
2. System presents the amount to be returned to the Customer and releases the cash drawer
3. Cashier deposits the cash amount and returns the change to the Customer
4. System records cash payment