

Project Milestone 1-1
Flow Of Events

1a. Rent one or more DVDs and/or cartridges to a customer.

1. A customer chooses one or more DVDs and/or cartridges in the store and brings them to the checkout desk.
2. The clerk asks for the customers member card.
3. If the customer doesn't have a card, the clerk takes the customers name, address and phone number and inputs it into the system, and gives the customer a card with a unique ID that was produced by the system.
4. The clerk inputs the customers ID number and the ID numbers of the Movies and games the customer wishes to rent into the system.
5. The system calculates the total charge owed by the customer.
6. The clerk collects the payment from the customer, and notifies them when the items are due back.

1b. Record the return of one or more DVDs and/or cartridges.

1. The clerk receives returned movies and/or games.
2. The clerk enters the ID numbers of each movie and/or game into the system.

1c. Report the status of a specific DVD or cartridge title

1. The customer requests that the clerk lookup a specific movie or game.
2. The clerk enters the title of the movie or game into the system.
3. The system returns the title and checkout status of the item. (Checkout status includes the on shelf status of the item, and if it is checked out, to whom it is checked out to, and when it is due to return).

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Use Case	Function Being Tested	Initial System State	Input	Expected Output
System Startup	System starts when launched.	System is Off	Launch the Program	System requests initial data file.
System Startup	System loads a data file.	System is requesting a data file.	Data file	System loads with initial data from file.
System Shutdown	System shuts down when closed.	System is on, and idle.	Program is exited.	System saves changes to the data file, and closes.
Customer rents an item.	System checks out an item when a customer ID and item IDs are input.	On and idle.	customer ID, item ID(s).	The system records that the customer has checked out the items input.
Item is returned	System records an items return when an item's ID is input.	On and idle.	Item ID.	System records that the input item was returned to the store.
Inquiry	The system returns the checkout status of an item when and item's title is input.	On and idle.	A movie or game item.	The system displays either the item's recorded checkout status. Or a list of possible items in the system to match the input title.