

Sheet1

Use Case	Function Being Tested	Initial System State	Input	Expected Output
Rent	A customer who is not in the system is able to rent an item	System is running	Item ID	Add Customer to system, and then record item as being out and rented to customer.
Rent	A customer with no outstanding balance who is in the system is able to rent an item	System is running	Customer ID and item ID	System records Item as being out and rented to Customer.
Rent	System reports an invalid ID	System is running	Invalid Customer ID or invalid item ID	System reports an appropriate invalid ID error
Rent	A customer with an outstanding balance who is in the system is able to rent an item	System is running	Customer ID and item ID	System records Item as being out and rented to Customer.
Return	System responds to an invalid ID	System is running	Item ID	System warns clerk that item ID is invalid.
Return	System does not allow a return on an item that has not been rented	System is running	Item ID	System warns clerk that item has not been rented.
Return	System accepts the timely return of a rental	System is running	Item ID	System records Item is returned, and is no longer in the possession of the customer. No late fee is assessed. System warns clerk if the item is reserved.

Return	System accepts a late return	System is running	Item ID	System records Item is returned, and is no longer in the possession of the customer. Late fee is assessed and charged to customer. System warns clerk if the item is reserved.
Look Up Item	System reports an item which is in stock.	System is running	Item Title	System reports that an Item is in stock and gives the appropriate information
Look Up Item	System reports an item which is not in stock.	System is running	Item Title	System reports that an Item is not in stock and gives the appropriate information
Look Up Item	System reports an item which is on reserve	System is running	Item Title	System reports that an Item is not in stock and is on reserve
Look Up Item	System reports an item which is not in inventory	System is running	Item Title	System reports that the requested item is not owned by the store
Look Up Customer	System reports a customer who is in the system	System is running, and a use case has called for lookup customer.	Customer ID	The System reports the customer's information requested by the use case.
Add Customer	System adds a Customer.	System is running	Complete Customer information.	The System adds the customer to the system and gives the customer a unique ID.

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Add Customer	System warns clerk about incomplete customer information	System is running	Incomplete customer information	The system reports that the given information is insufficient to create an account, and tells you to go home. The System asks the clerk if a duplicate entry is desired.
Add Customer	System asks if a duplicate entry is desired.	System is running System is running, and clerk calls for a change of information.	Identical customer information	
Edit Customer	Information on a customer in the system may be edited.	System performs a customer lookup.	Customer ID and customer information	System allows editing of customer information.
Edit Customer	Information is changed by a use case.	System is running, use case calls for edit customer	Customer ID, and information to change.	System properly handles editing of information. System properly applies new information to item.
Edit Item Details	System properly sets an item's information.	System is running	Item Id, new information.	System records that a late fee has been payed
Accept Late Fee	System accepts payment of a late fee.	System is running	Customer ID	
Accept Late Fee	System accepts payment of many late fees.	System is running	Customer ID	System records that the appropriate late fees have been payed, and calls off all hitmen, loan sharks, assassins, bookies, and other shady characters.

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Handle Reservation	System properly reserves a title for a customer.	System is running	Item Title, Customer ID	Customer is properly added to reservation queue. System saves the current state to a specified file.
Save System	System properly saves the system state.	System is running	Manager ID, File location	
Save System	System does not allow someone with shady credentials to save the system state	System is running	Anthony Aardvark's Id, file location.	System responds by saying "Bad Aardvark!" System loads default save state.
Start System	System properly loads saved state	System is <u>not</u> running	Power button	System saves state to the default location and powers down.
Shut system Down	System shuts down	System is running	Manager ID	