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Milestone 1-1 substitution of incorrect submission

Use case: Rent Copy

Actors: Clerk

Goal: Perform a rental operation

Overview: A customer enters the store and selects items to rent. The clerk looks up the customer's phone number and enters them as a new customer if they are not in the system and enters the id number(s) of the copy/copies requested. The system will display the description, the charges and either the date due or the date on which the next payment is due. The system will then calculate the total charge owed (rental charges for copies of ordinary rental items + first monthly payments for copies of rent-to-own items) and the clerk will collect it from the customer.

Cross reference: 1a, 1c, 1d

Typical course of events:

Actor action:

- 1 The customer chooses items to rent.
- 2 The clerk looks up the customer by their phone number.
- 3 The clerk enters the ID(s) of the copy/copies being rented.
- 6 The clerk will collect payment due.

System response:

4 display relevant information

5 calculate total charge

Alternative Courses:

- 2 If the customer is not listed the clerk enters their name, address and phone number
- 1,6 The customer may terminate the transaction for a number of reasons at these points.

Use case: Rental Return

Actors: Clerk

Goal: Record the return of a rental item

Overview: The customer will either enter the shop and hand the rental item to the clerk or they will place it in the returns slot if the store is closed. The clerk will enter the ID of each copy being returned.

Cross reference: 1b

Typical course of events:

Actor action:

- 1 The customer will return a number of items (1..*)
- 2 The clerk will enter the copy ID of each item returned

System response:

3 the status of the returned copy will change accordingly

Use case: System Shutdown

Actors: Clerk, Manager

Goal: The system will shutdown without the data being lost.

Overview: A user will select the quit option. The system will automatically save and shut off.

Cross reference: 9a, 10

Typical course of events:

Actor action:

1 The user selects quit

System response:

2 all information is stored to disk

3 the system shuts off

Use case: System Startup

Actors: Clerk, Manager

Goal: The system will start as a user starts the program and will read the information stored on disk.

Overview: The user starts the program and it reads the information on the disk.

Cross reference:

Typical course of events:

Actor action:

1 The user starts the program

System response:

2 starts up

3 loads saved data

Use case: Manually Save

Actors: Clerk, Manager

Goal: save the data

Overview: A user selects save. The system saves the information to disk.

Cross reference: 9b

Typical course of events:

Actor action:

1 select save

System response:

2 save