Use Case Description

(Flows of Events for Individual Use Cases)

Start Machine Use Case

As the operator pushes the ON button, machine starts up. It includes the verification of the operator and before starting the machine, the operator will check the inventory.

Stop Machine Use Case

As the operator pushes the OFF button, machine stops. After the machine stops the operator can add or remove movies from the machine.

Enter Credit Card Use Case

The customer needs to swipe the card in the machine. The machine will verify the card details and take the customer to second level of verification.

Enter Zip Code Use Case

It is second level of verification which includes the precondition of valid verification of credit card. The customer will enter the zip code to complete the verification process. The customer can only make three attempts to provide valid zip code or will not allow using the machine after that. After completing the verification a new session will start for customer to perform the operation of movie rental or deposit.

Search Movie Use Case

This use case is when the user will perform the search operation on movie database to search for the selected movies. Once the required movie is listed there will be complete description about the movie and give the customer to either rent or return the movie.

Reserve Movie Use Case

If the movie the customer wants to rent is not available, the n he can reserve the movie and as the movie will be available then he can rent that movie.

Rent Movie Use Case

If the movie the customer has made the search is available then he can rent that movie. It includes the print of receipt generating the bill the customer has made and also has extension point that is to perform the operation to return the card once the payment process is done.

Deposit Movie Use Case

The customer can deposit the movie previous taken from the machine. After depositing the movie the machine will check the inventory and after complete assurance that the customer has deposited the movie the machine will remove the hold on customer’s credit card.

Abort Use Case

The customer can cancel the operations at the appropriate stages whenever he wants. It includes the cancelling of the current operation.

The machine will communicate to the center server to log all the data and for various other operations.