

- a. Draw the use case diagram for the video rental system, without using the relationships between use cases. (Put three use cases)**

The customer comes to the store and picks movies. Once he\she is done, they go to the clerk to pay for their rentals. The clerk asks for the ID. The ID is then entered into the system to get the customer record. The clerk enters the new movies into the system as rentals into the customer record along with the due date and issues a bill with the new rental and gives the customer the movies after collecting the payments. When a customer finishes viewing a movie, he\she goes to the store and returns the movie. The clerk enters the customer ID to the system. If it is returned on time, the clerk asks the system to remove the rental from the customer record. If it is late, the clerk asks the system to add a late notice in the customer record and informs the customer to pay a late fee.

- b. Write a high level description of TWO use cases.**
- c. Update the use case diagram such that a new customer can rent a video. To register a new customer, the clerk asks the new customer to fill a form stating their name, address, and phone number. The clerk then enters this information into a computer terminal and a new customer record is created. (Use the relationships between use cases)**