1.

A. This is a motor control. When it is state 'off', and we can run it by turn it on. When the time goes, it will be idle, but we can make it run again. Also, when the time goes again and be idle as well, we can turn it off.

B. This is an automatic door. At first, it is locked. When the sensor detects movement, the door is opening, which means it is unlocked. 15 seconds later, it is closing. But when it is still unlocked, and when the sensor detects movement, it can be opening again, which means still unlocked. Again 15 seconds later, it is closing and 15 seconds later after the closing again, it will be locked.

2.

- State : running
- Description: A Cassette player is running
- Event sequence that produces the state:

  stopped

  running

  or

  stopped

  running

  paused

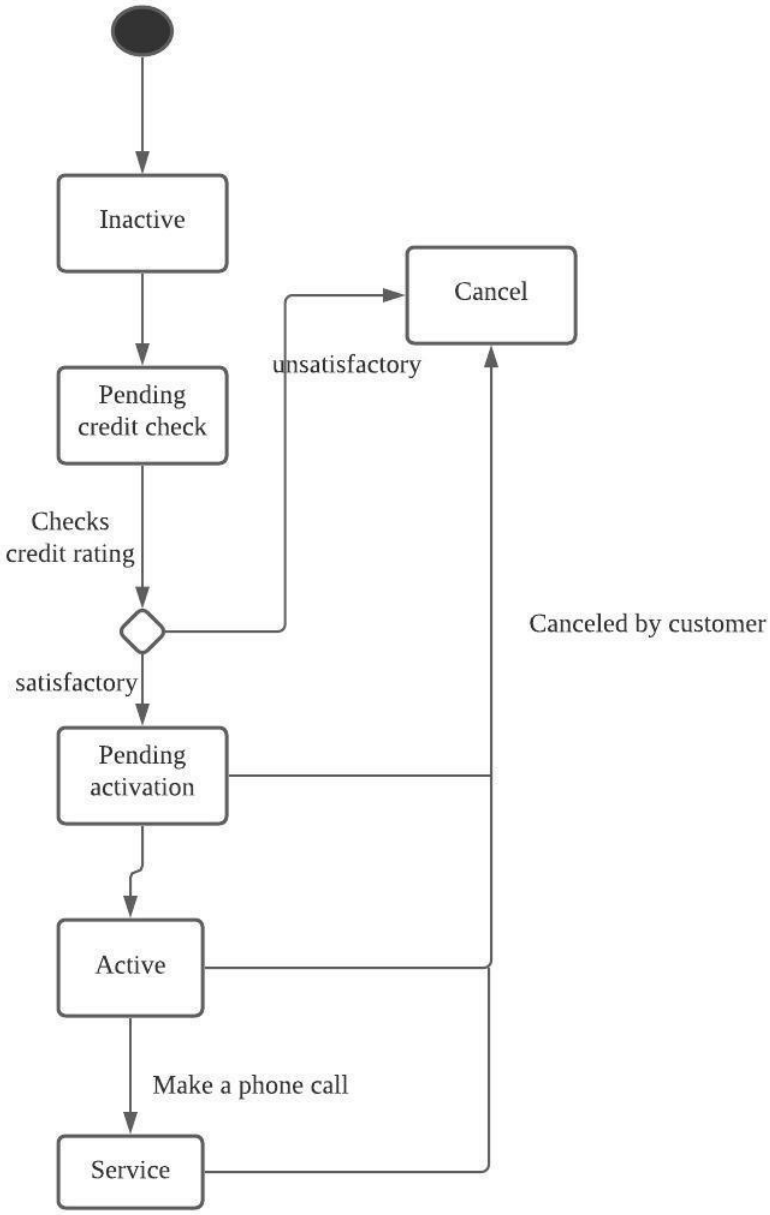
  running
- Condition that characterizes the state

  When s [s =="play"]

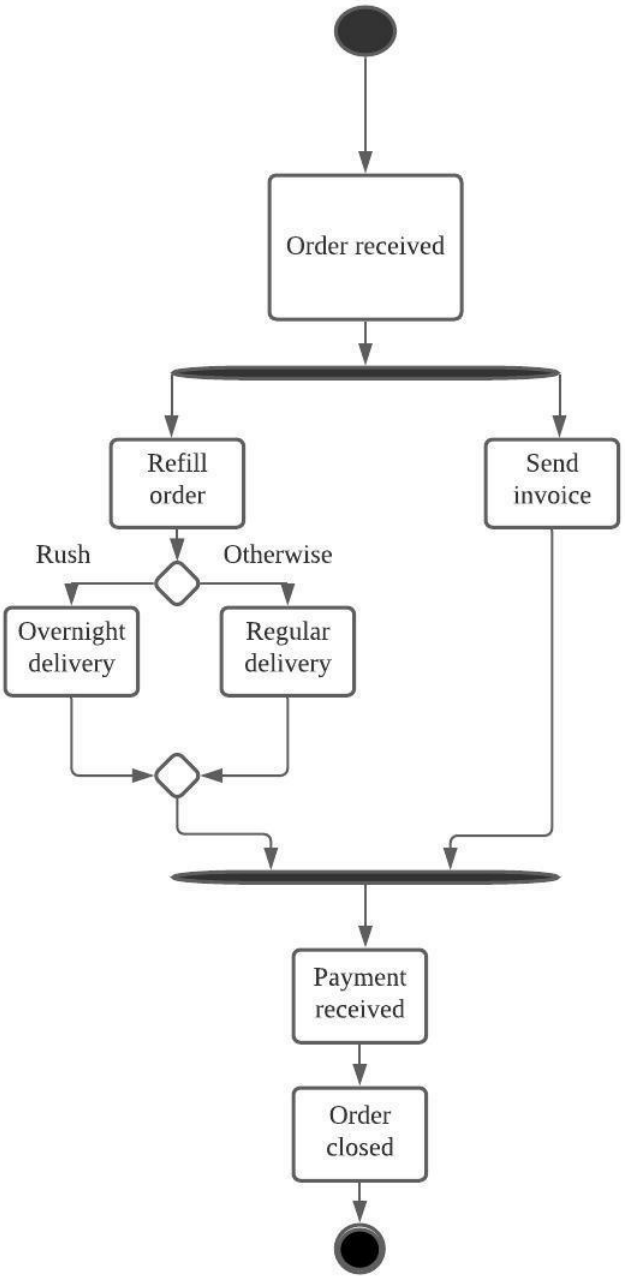
Events accepted in the state:

Event	Response	Next state
s, [s == "pause"]	Start motor	pause
s, [s == "stop"]	Stop motor	stopped

3.

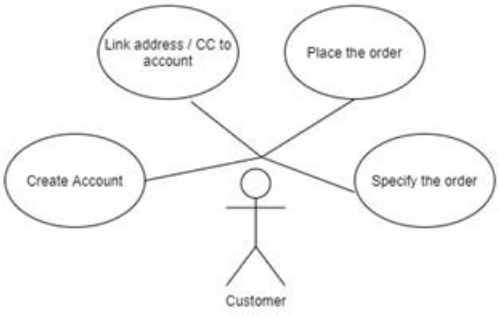

Inactive
Cancel
unsatisfactory
Pending
credit check
Checks
credit rating
Canceled by customer
satisfactory
Pending
activation
Active
Make a phone call
Service

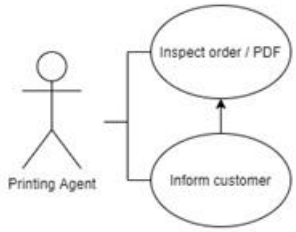
4.

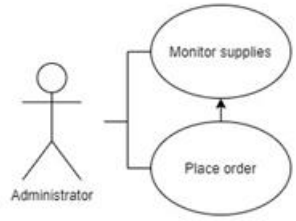

Order received
Refill order
Send invoice
Rush
Otherwise
Overnight delivery
Regular delivery
Payment received
Order closed

5.

a.


Link address / CC to account
Place the order
Create Account
Specify the order
Customer


Inspect order / PDF
Printing Agent
Inform customer


Monitor supplies
Administrator
Place order

b.

Use case : Place an order

Pre : User has account

Trigger : User to be able to place an order

Guarantee : Order is placed

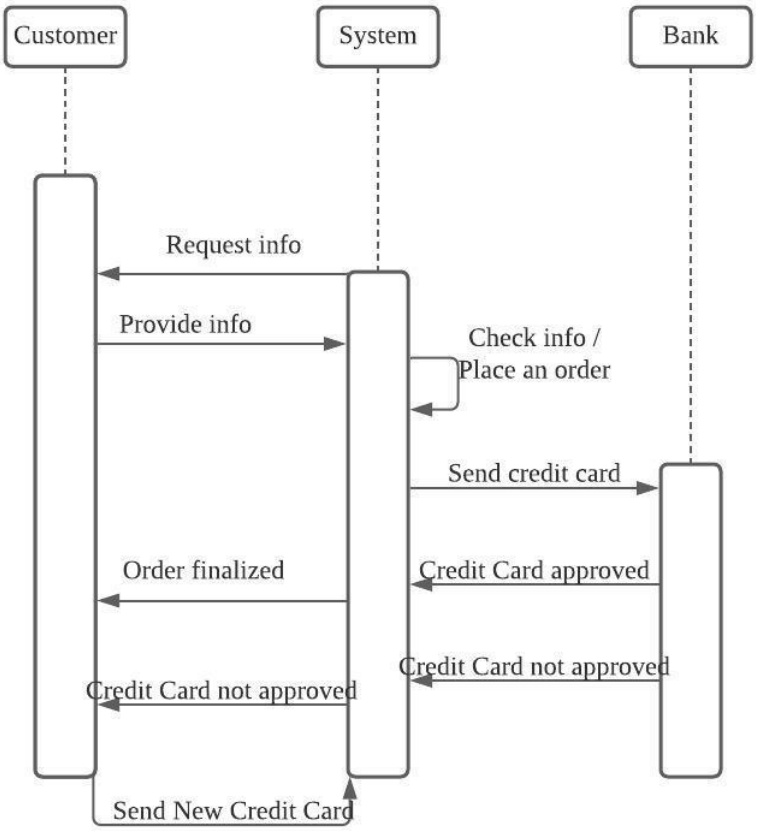
Main :

1. Send an order
2. Information is identified
3. Place an order
4. Send Credit Card to bank
5. Order done

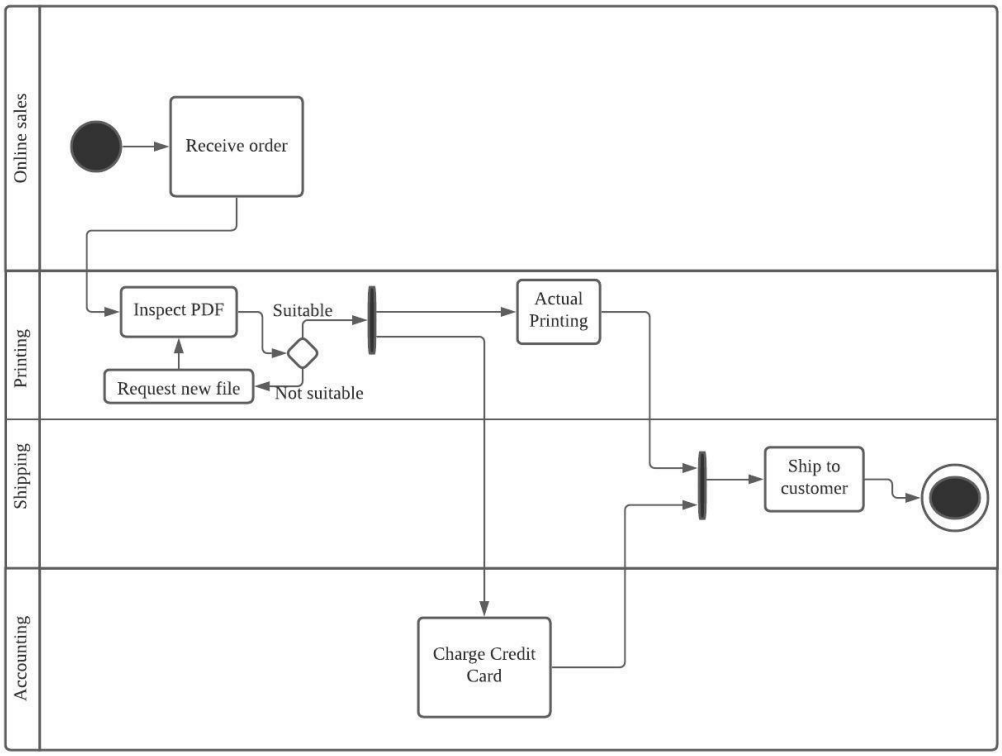
Alternatives : Go back to step b if the information is missed by requesting it from the users.

Also, go back to step d when the credit card is not approved by requesting new credit card from the user

c.


Customer
System
Bank
Request info
Provide info
Check info /
Place an order
Send credit card
Order finalized
Credit Card approved
Credit Card not approved
Credit Card not approved
Send New Credit Card

d.


Online sales
Receive order
Printing
Inspect PDF
Suitable
Actual Printing
Request new file
Not suitable
Shipping
Ship to customer
Accounting
Charge Credit Card