

# INTEGRAL UNIVERSITY



## LAB REPORT

Software Engineering

(CS-217)

SUBMITTED BY:

SUBHANA FATIMA

B.TECH (CSE-1)

SECOND YEAR

R.NO. 1701012136

E.NO. 1700101018

SUBMITTED TO:

DR. JAMEEL AHMAD

(ASSOCIATE PROFESSOR)

MR. AMIT SRIVASTAVA

(LAB INSTRUCTOR)

# **ACKNOWLEDGEMENT**

I would like to acknowledge and extend my heartfelt gratitude to **Dr. Jameel Ahmad (Associate Professor)** and **Mr. Amit Srivastava (Lab Instructor)** under whose able guidance I have prepared the Software Engineering Lab Report. They have been a constant source of encouragement and inspiration to me.

I am also indebted to my batch mates who have been a great help in the preparation of this Lab Report.

NAME- Subhana Fatima

ENROLL No.- 1700101018

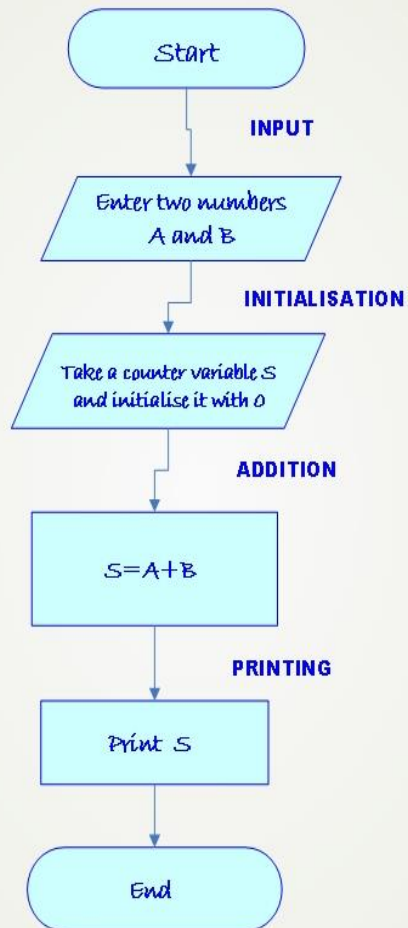
# **CERTIFICATE**

This is to certify that **Subhana Fatima** of B.TECH Second year has sincerely completed her “Software Engineering Lab Report ” & submitted it on time & has helped to maintain the decorum of the LAB.

**Dr. Jameel Ahmad**  
(Associate Professor)

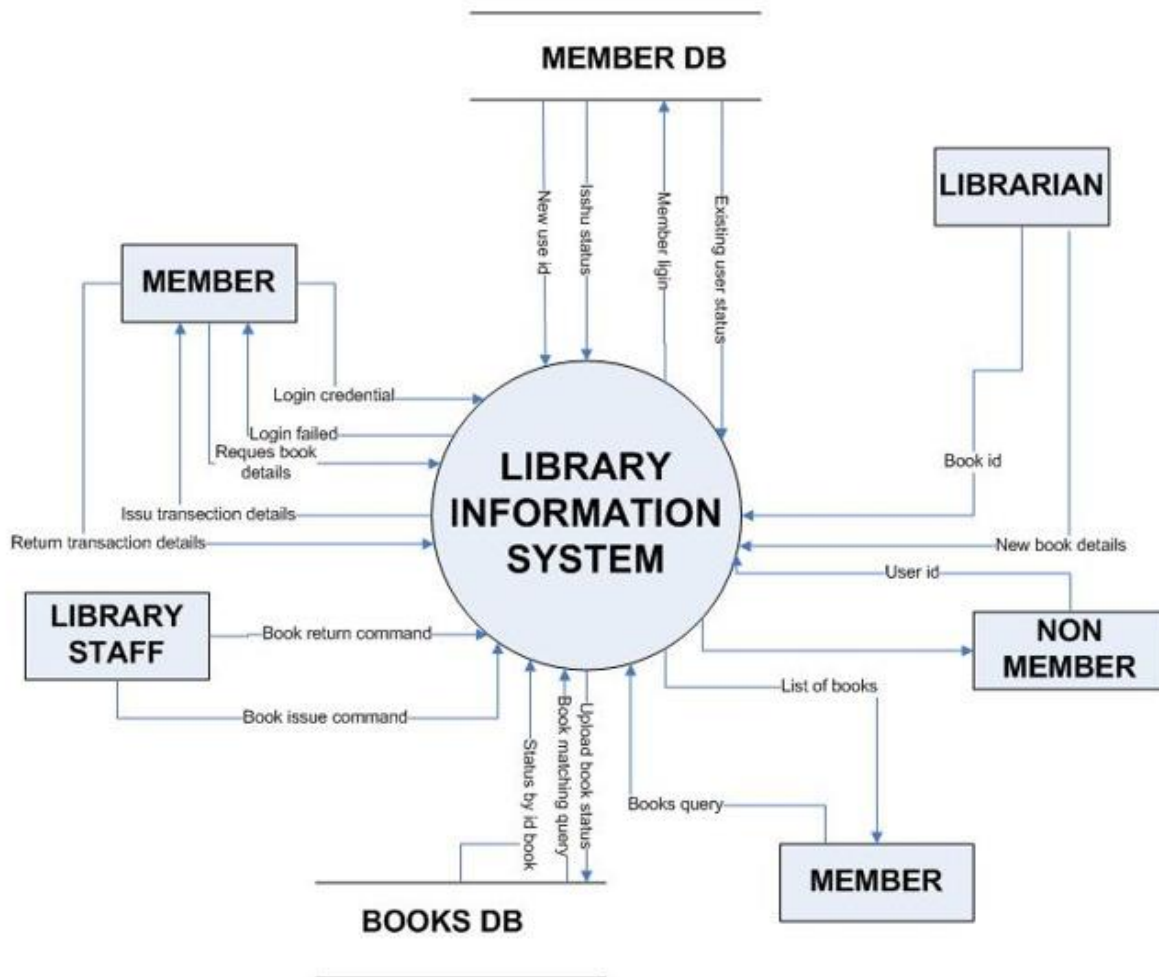
**Mr. Amit Srivastava**  
(Lab Instructor)

# EXPERIMENT 5



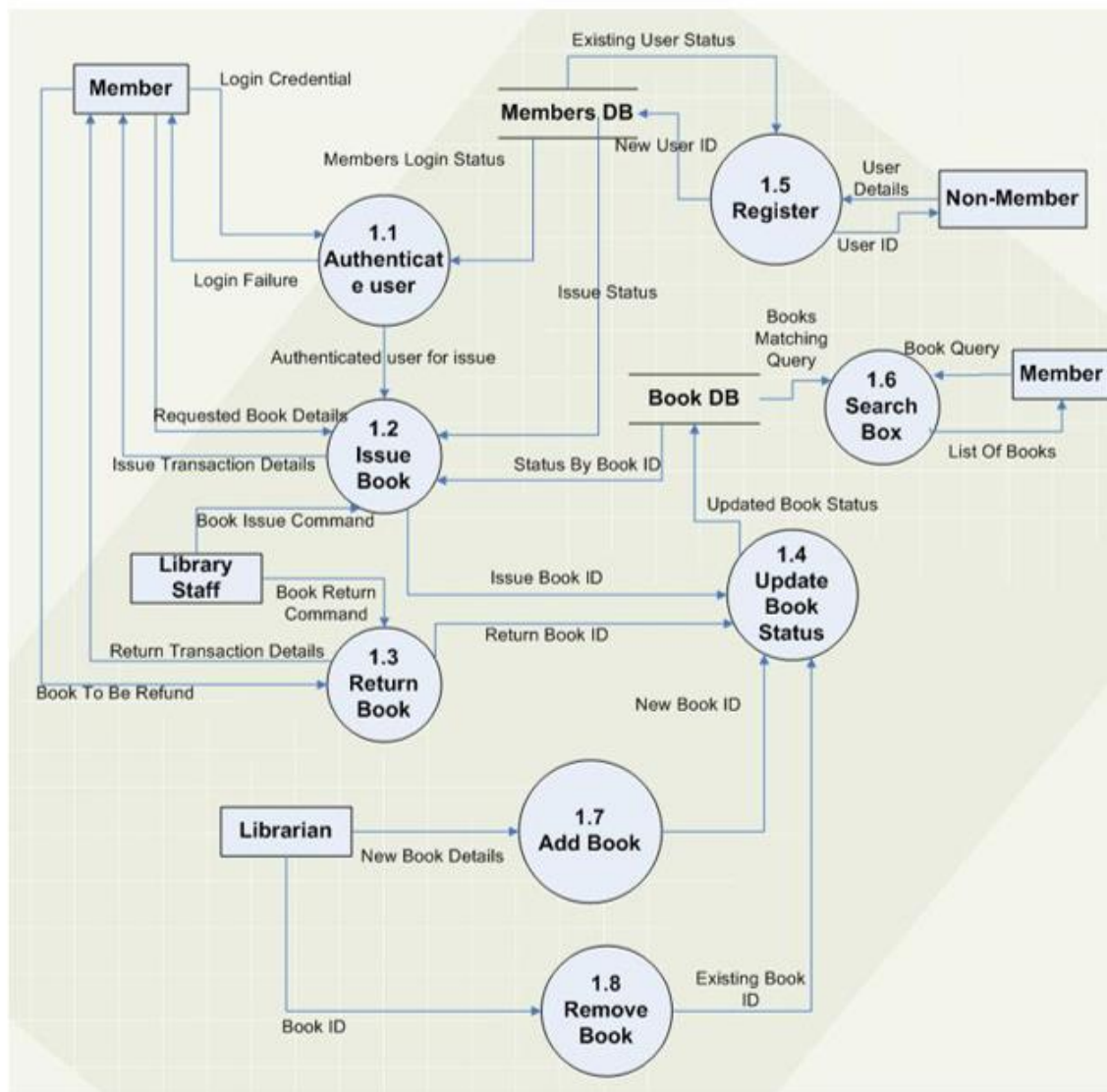
**Figure:- Flowchart to add two numbers**

# EXPERIMENT 1



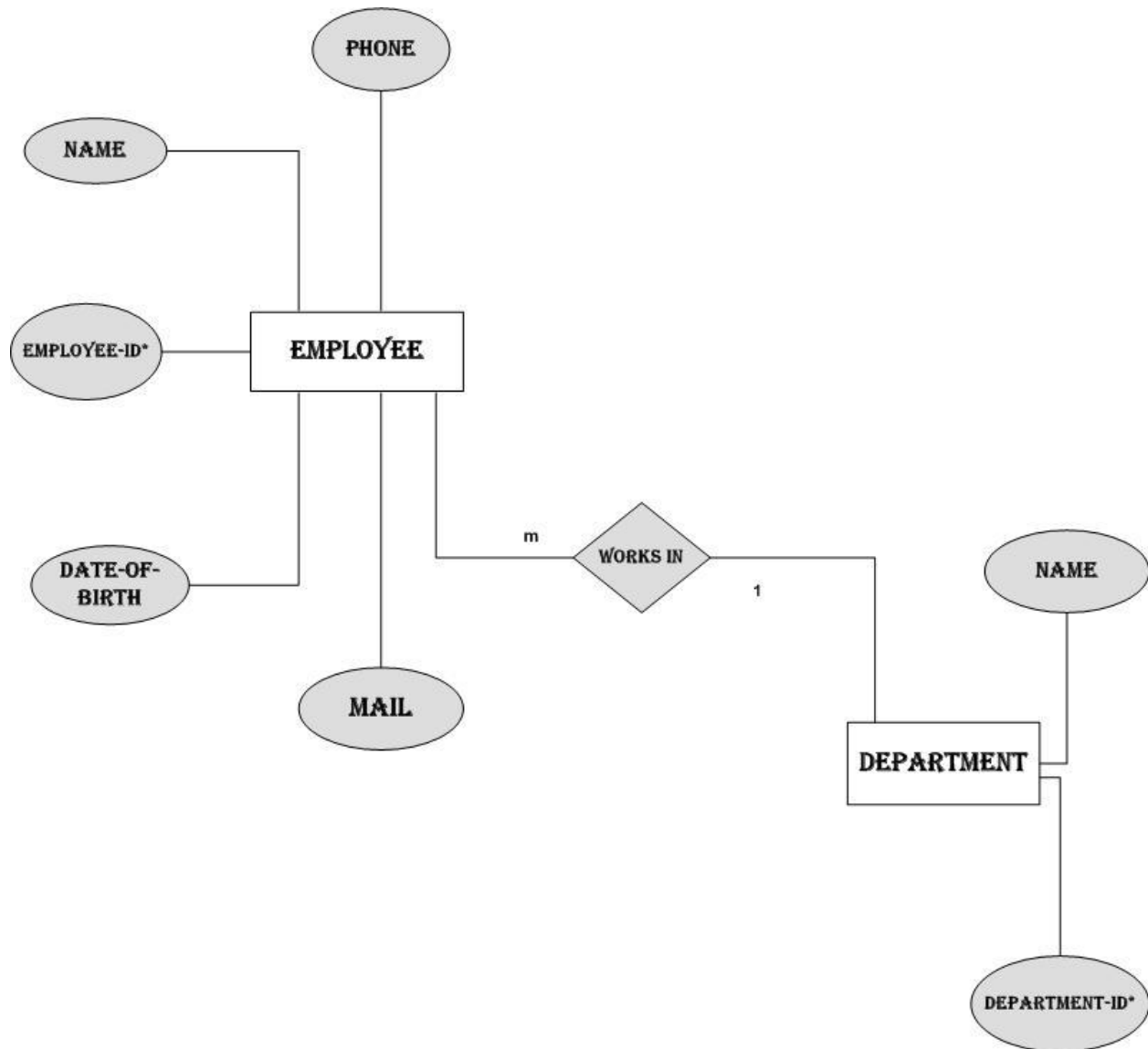
**Fig:-Context-level DFD for Library Information System**

# EXPERIMENT 1



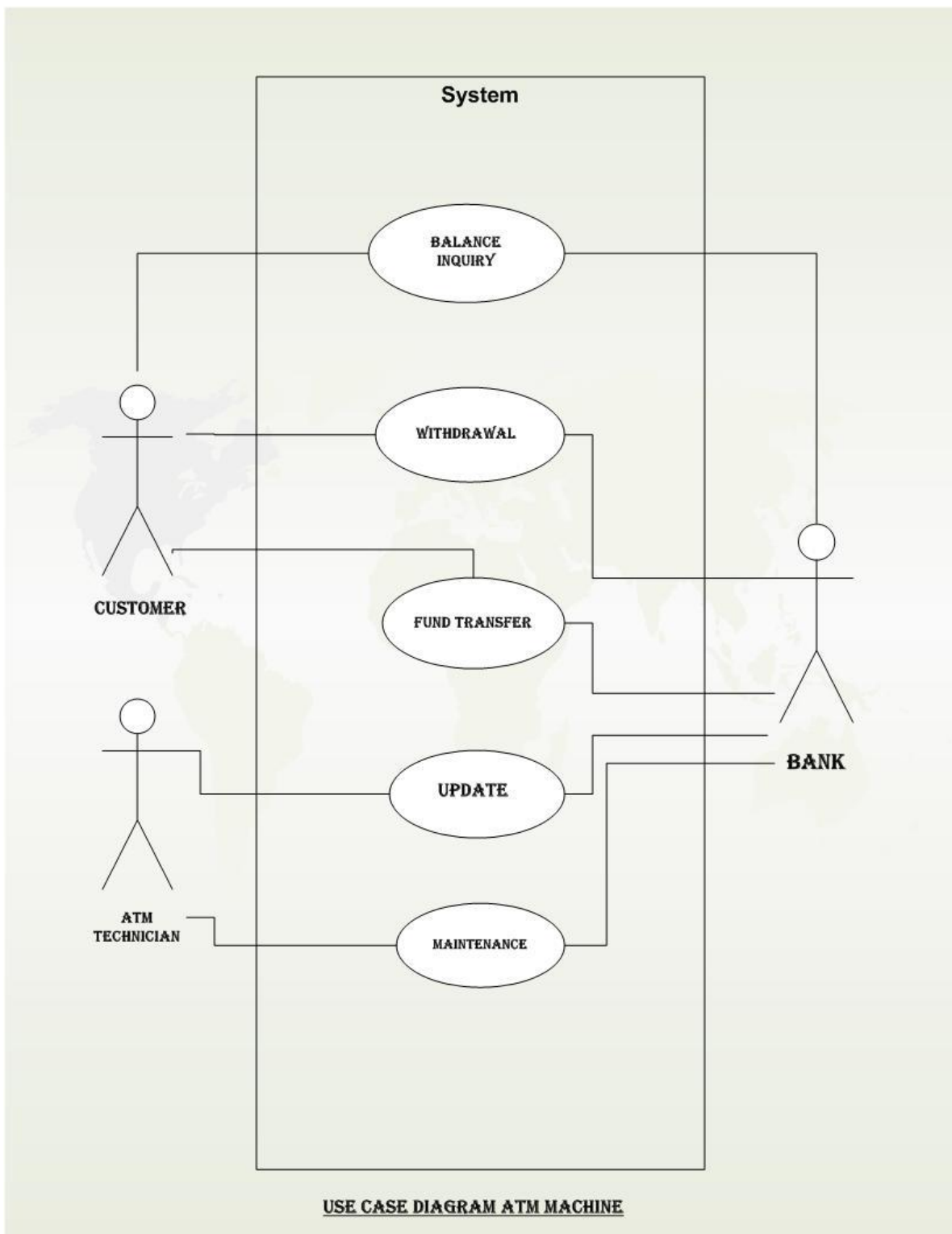
**Fig :Level 1 DFD for Library Information System**

# EXPERIMENT 2



**E-R DIAGRAM FOR  
EMPLOYEE-DEPARTMENT  
RELATIONSHIP**

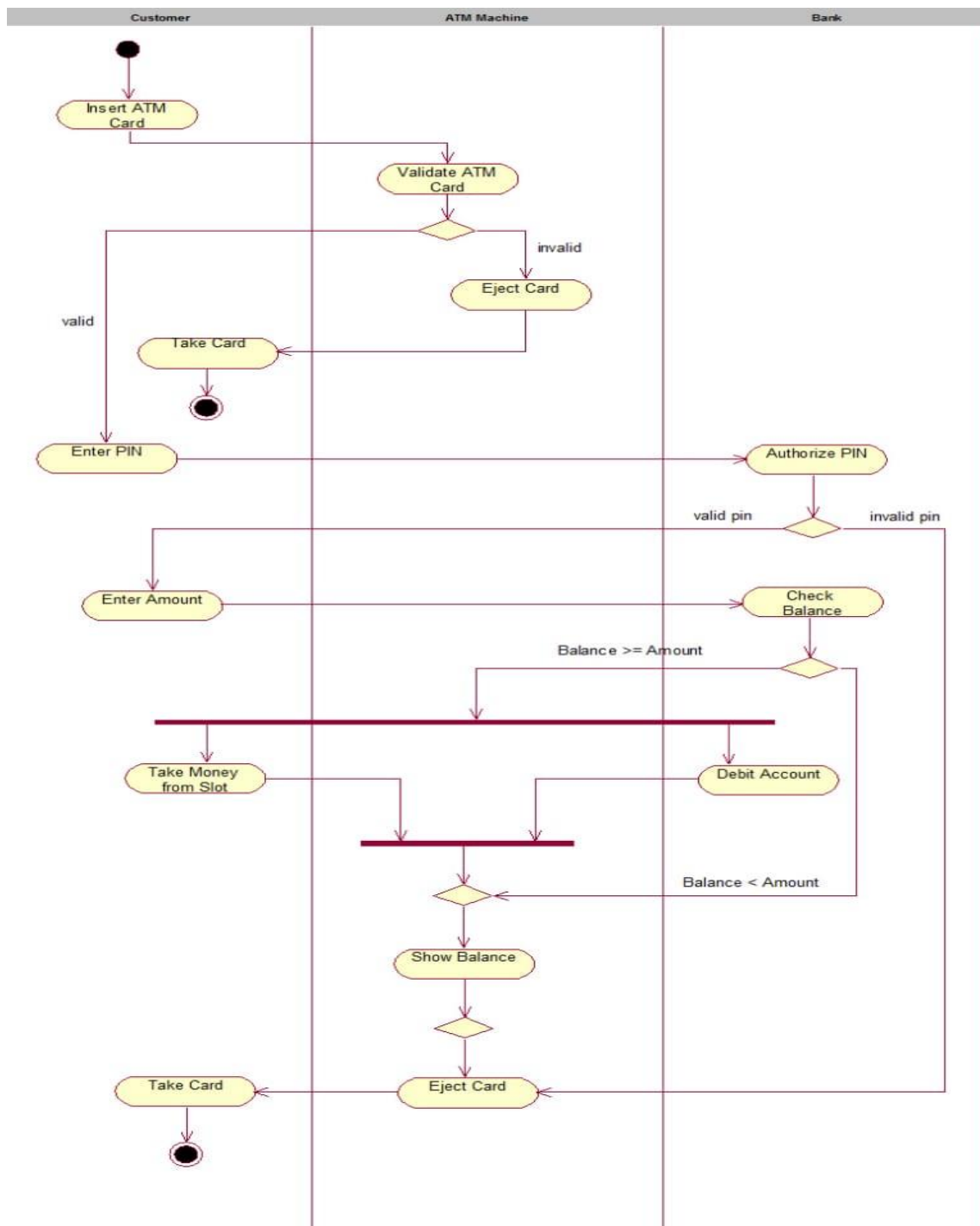
# EXPERIMENT 3



**Fig: Use Case Diagram for ATM Machine**

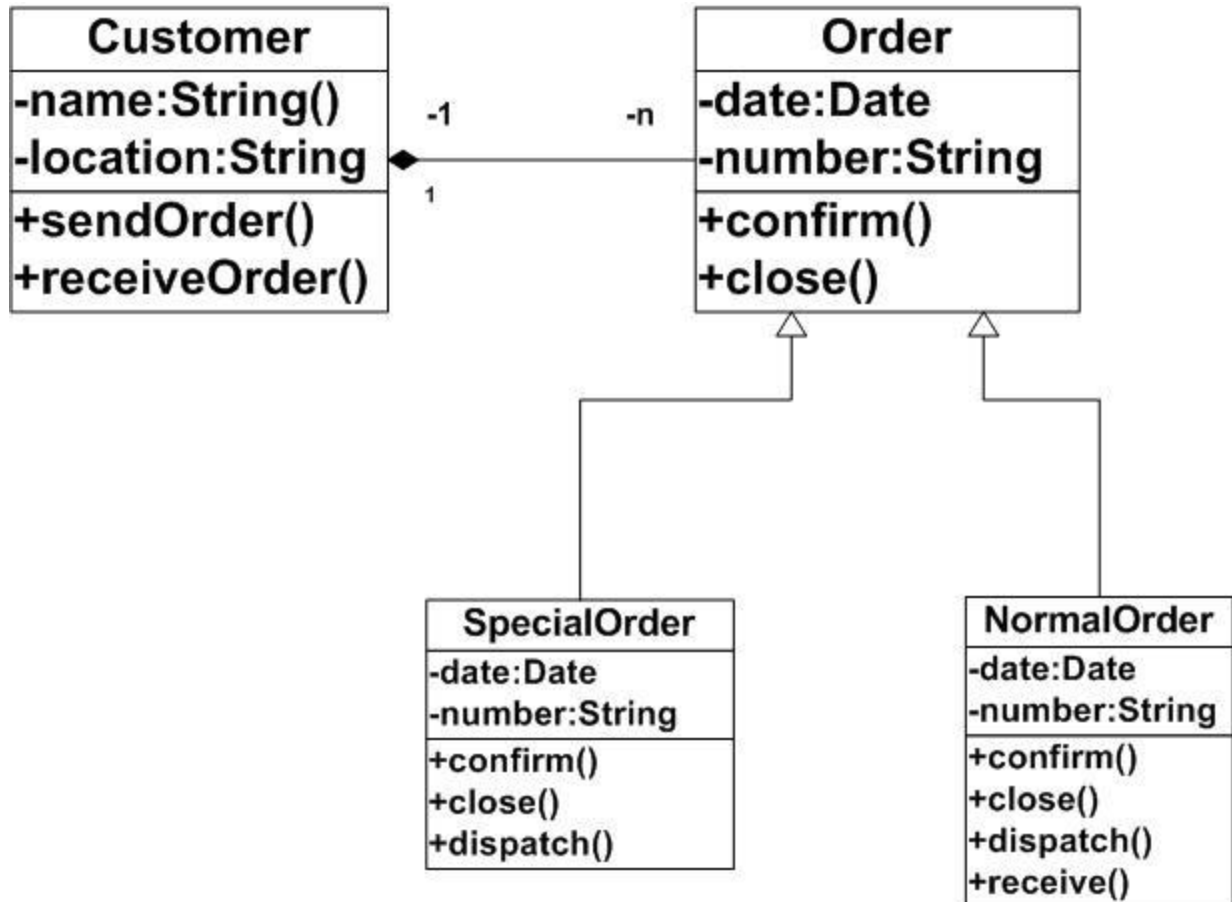


# EXPERIMENT 4



**Fig : ATM Transaction activity diagram**

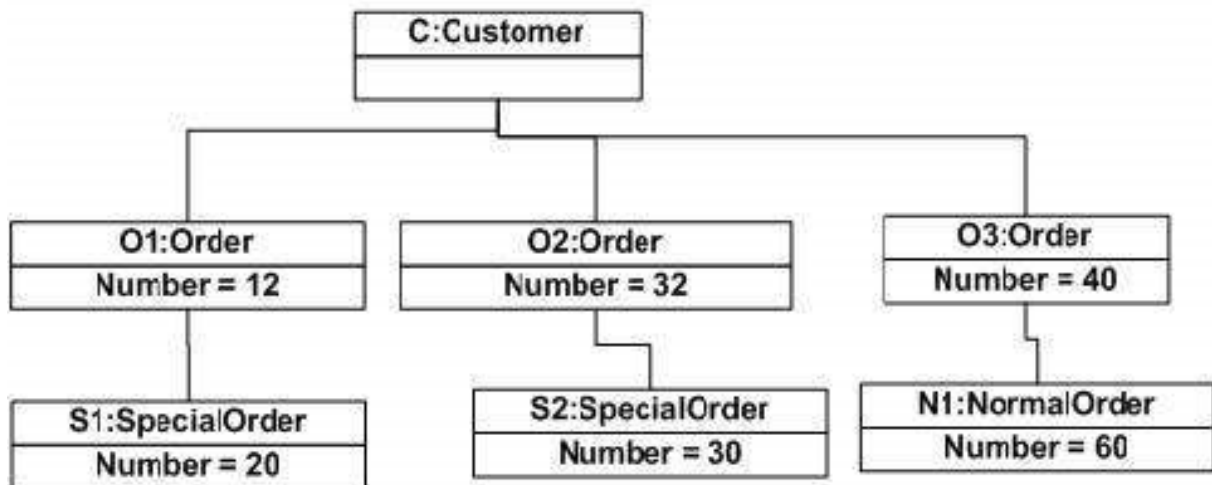
# EXPERIMENT 6



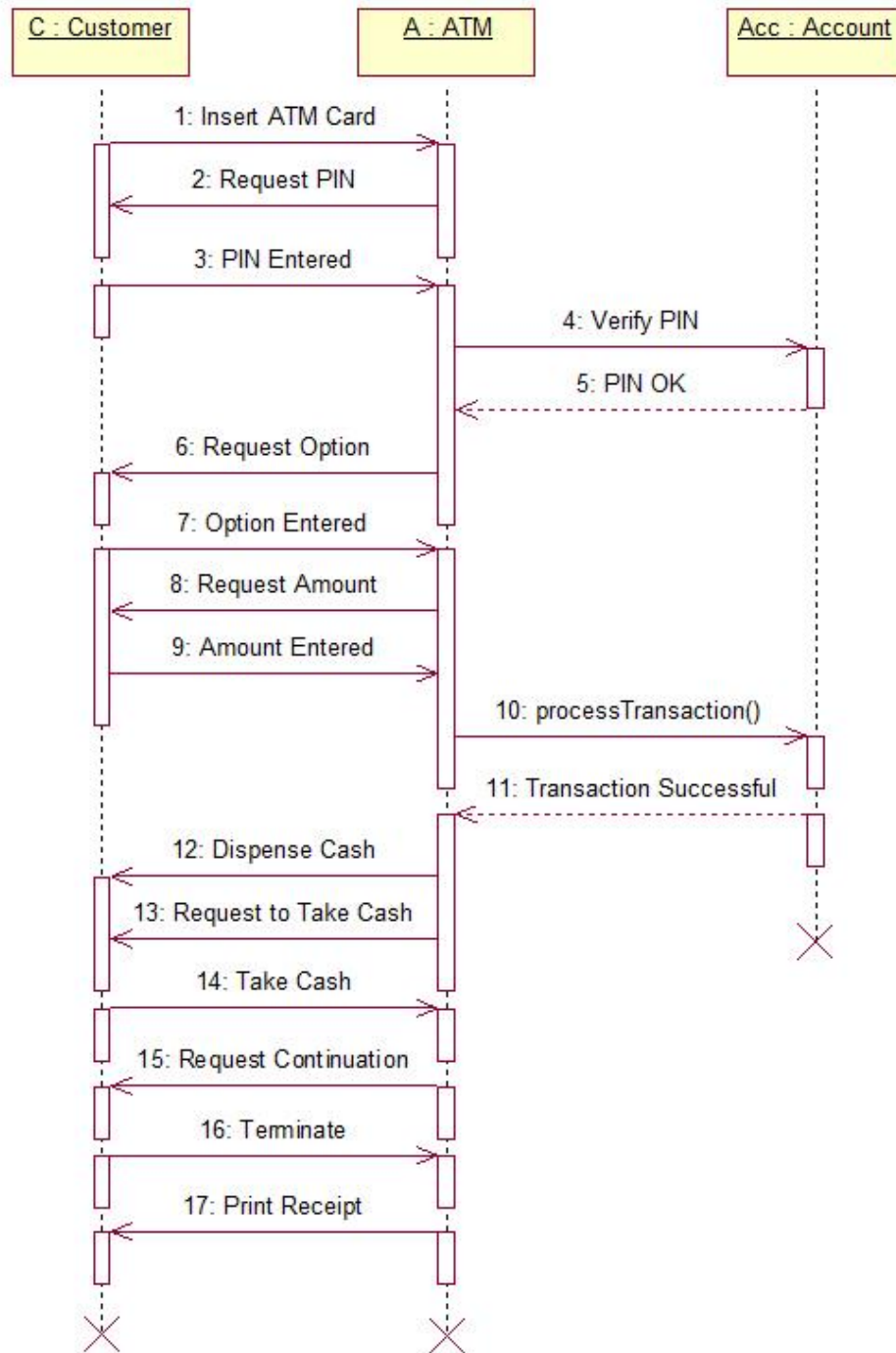
**CLASS DIAGRAM OF AN ORDER  
MANAGEMENT SYSTEM**

# EXPERIMENT 7

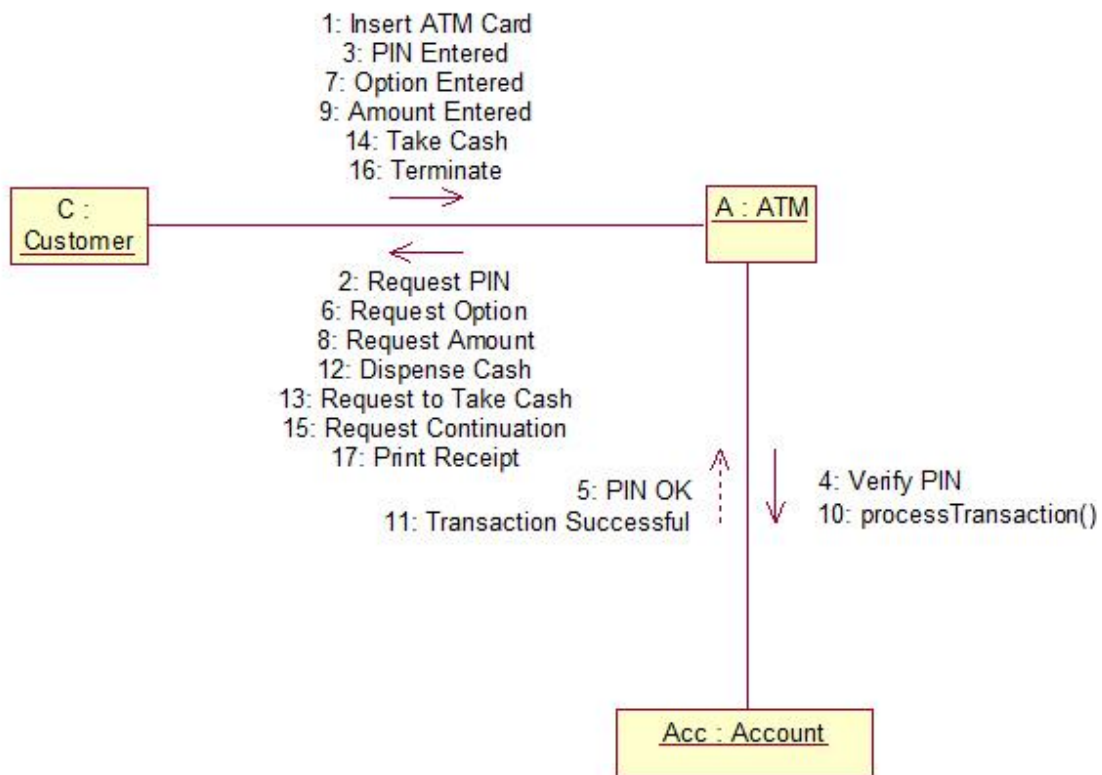
Object diagram of an order management system



# EXPERIMENT 8

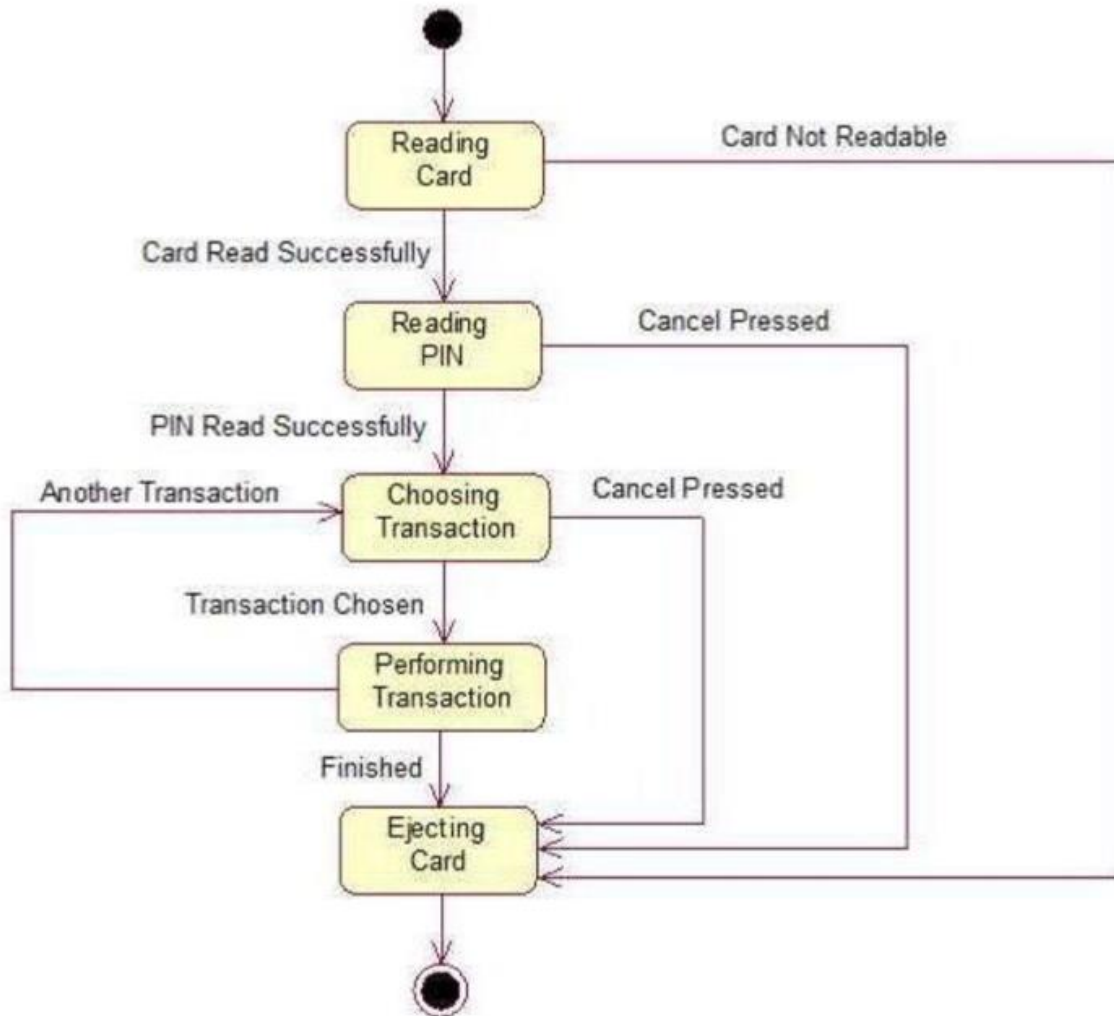


**Fig : Sequence diagram for ATM Transaction**



**Fig : ATM Transaction**

# EXPERIMENT 9



**Fig : State chart diagram for ATM transaction**