

INTEGRAL UNIVERSITY



LAB REPORT

Software Engineering

(CS-217)

SUBMITTED BY:

FARIHA FATIMA

B.TECH (CSE-1)

SECOND YEAR

R.NO. 1701012045

E.NO. 1700101019

SUBMITTED TO:

MR. MOHAMMAD USMAN KHAN

(ASSISTANT PROFESSOR)

MR. AMIT SRIVASTAVA

(LAB INSTRUCTOR)

ACKNOWLEDGEMENT

I would like to acknowledge and extend my heartfelt gratitude to **Mr. Mohammad Usman Khan (Assistant 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- Fariha Fatima

ENROLL No.- 1700101019

CERTIFICATE

This is to certify that **Fariha 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.

Mr. Mohammad Usman Khan

(Assistant Professor)

Mr. Amit Srivastava

(Lab Instructor)

EXPERIMENT NUMBER: 1

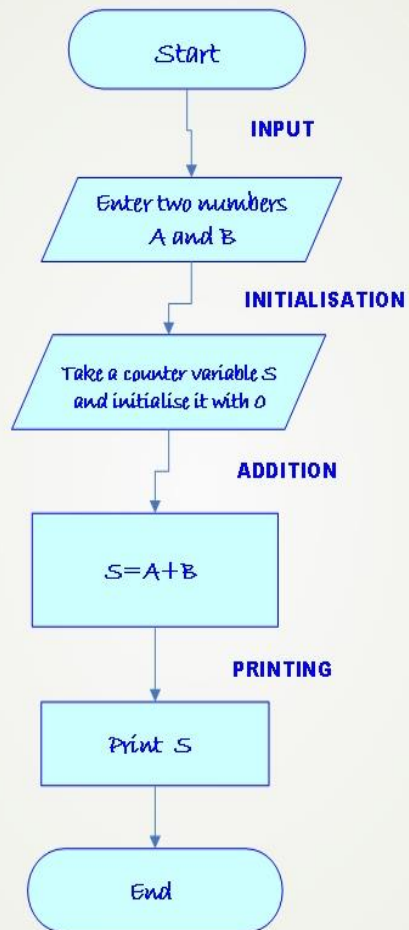


Figure:- Flowchart to add two numbers

EXPERIMENT NO. 2

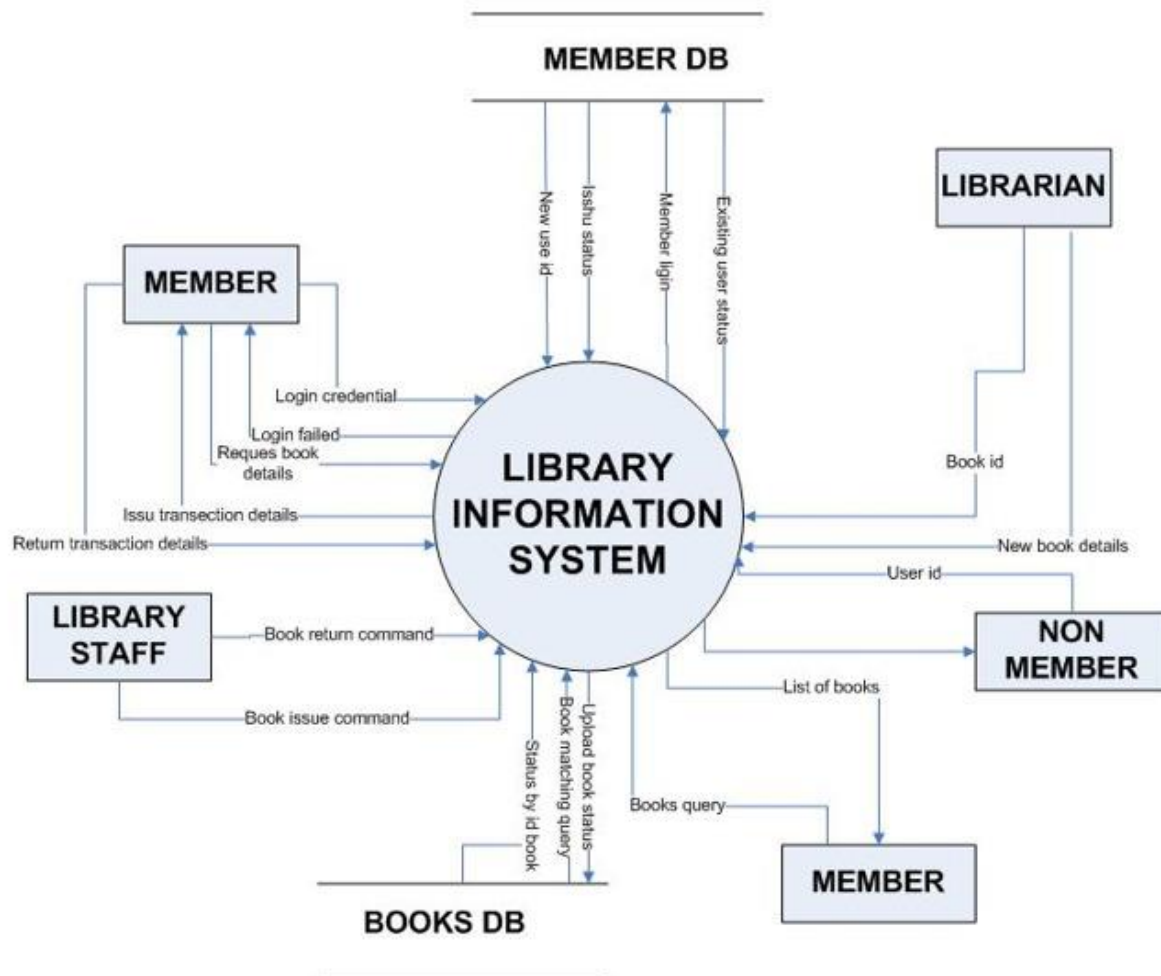


Fig:-Context-level DFD for Library Information System

EXPERIMENT 2

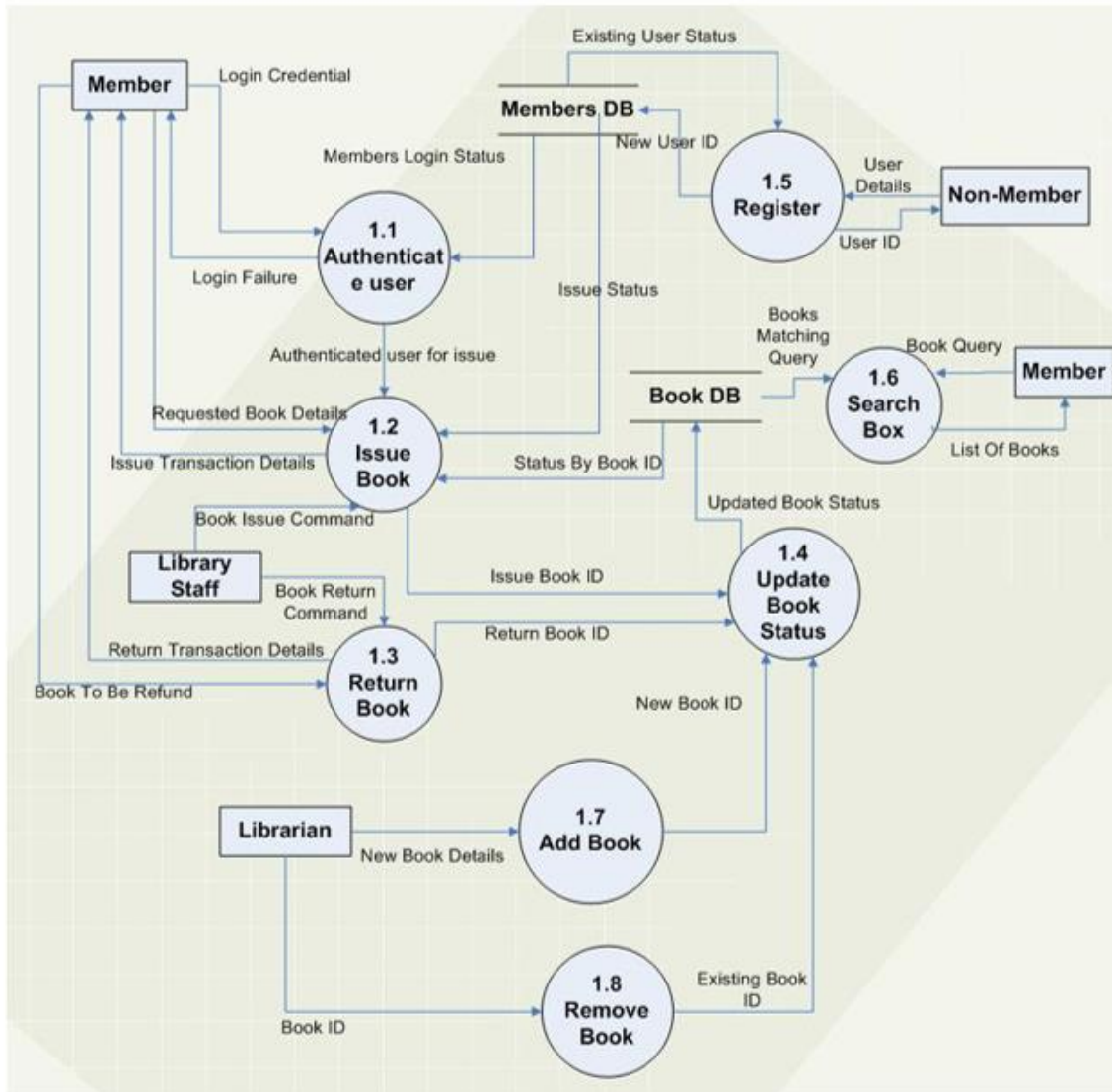
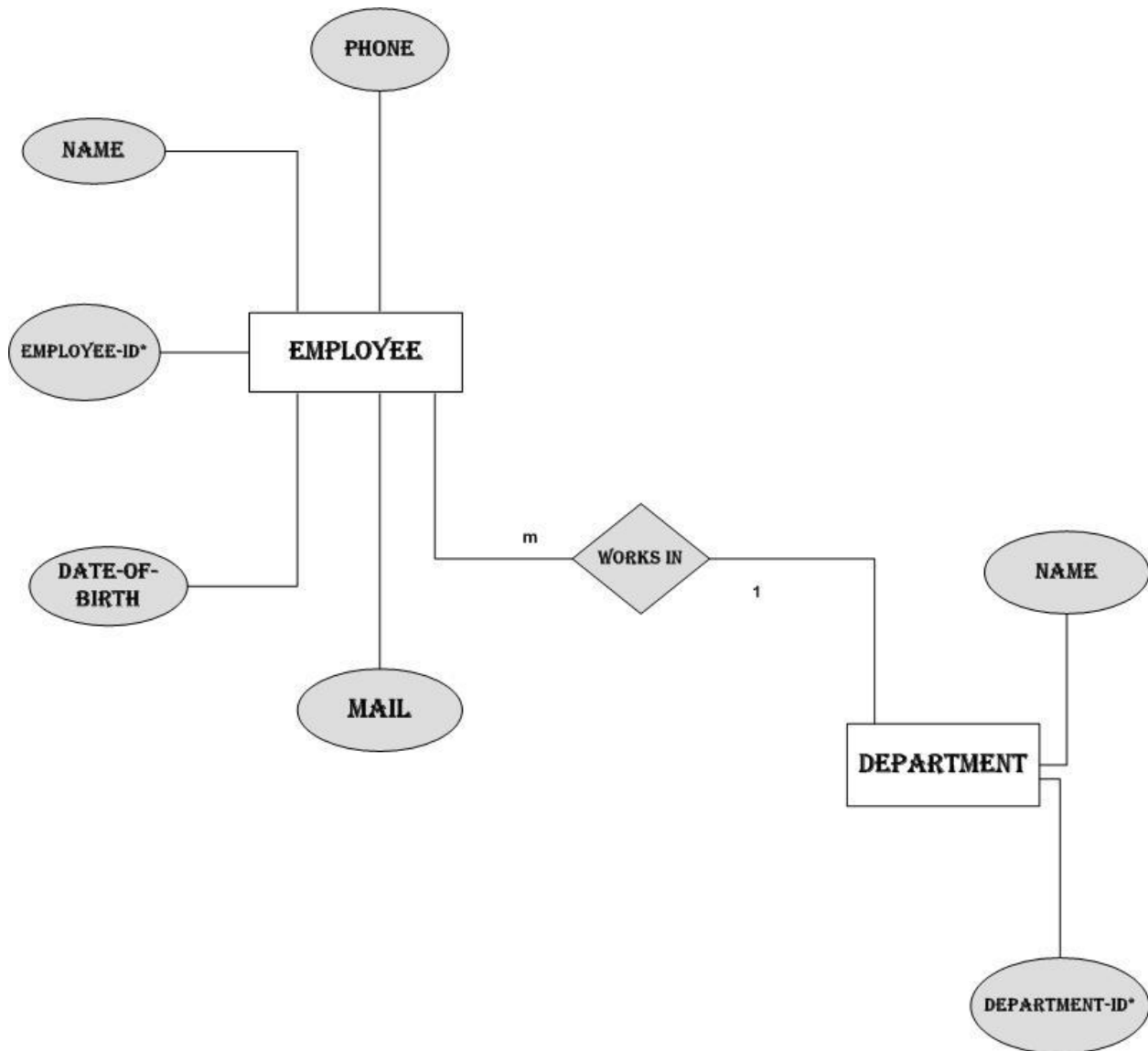


Fig :Level 1 DFD for Library Information System

EXPERIMENT 3



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

EXPERIMENT 4

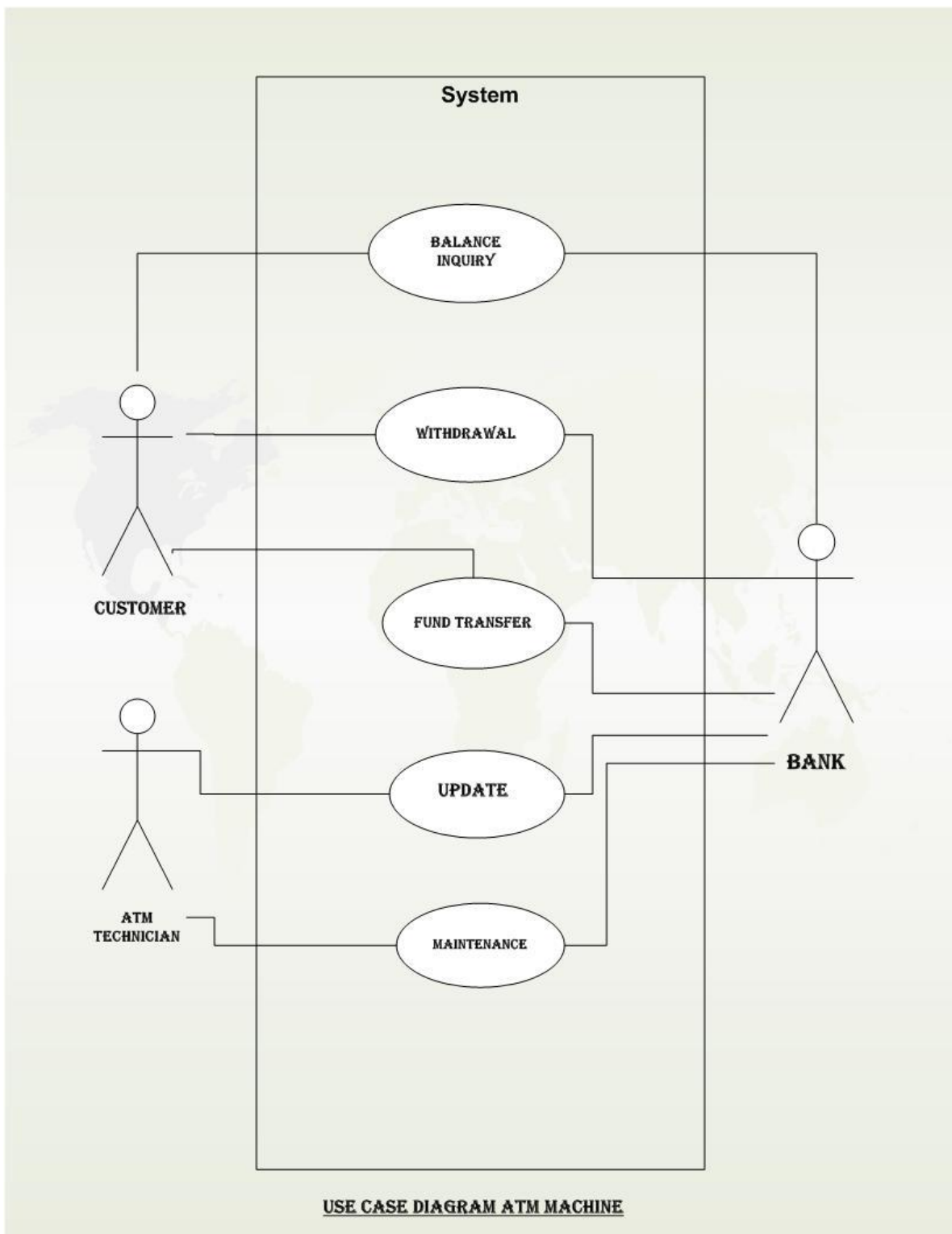


Fig: Use Case Diagram for ATM Machine

EXPERIMENT 5

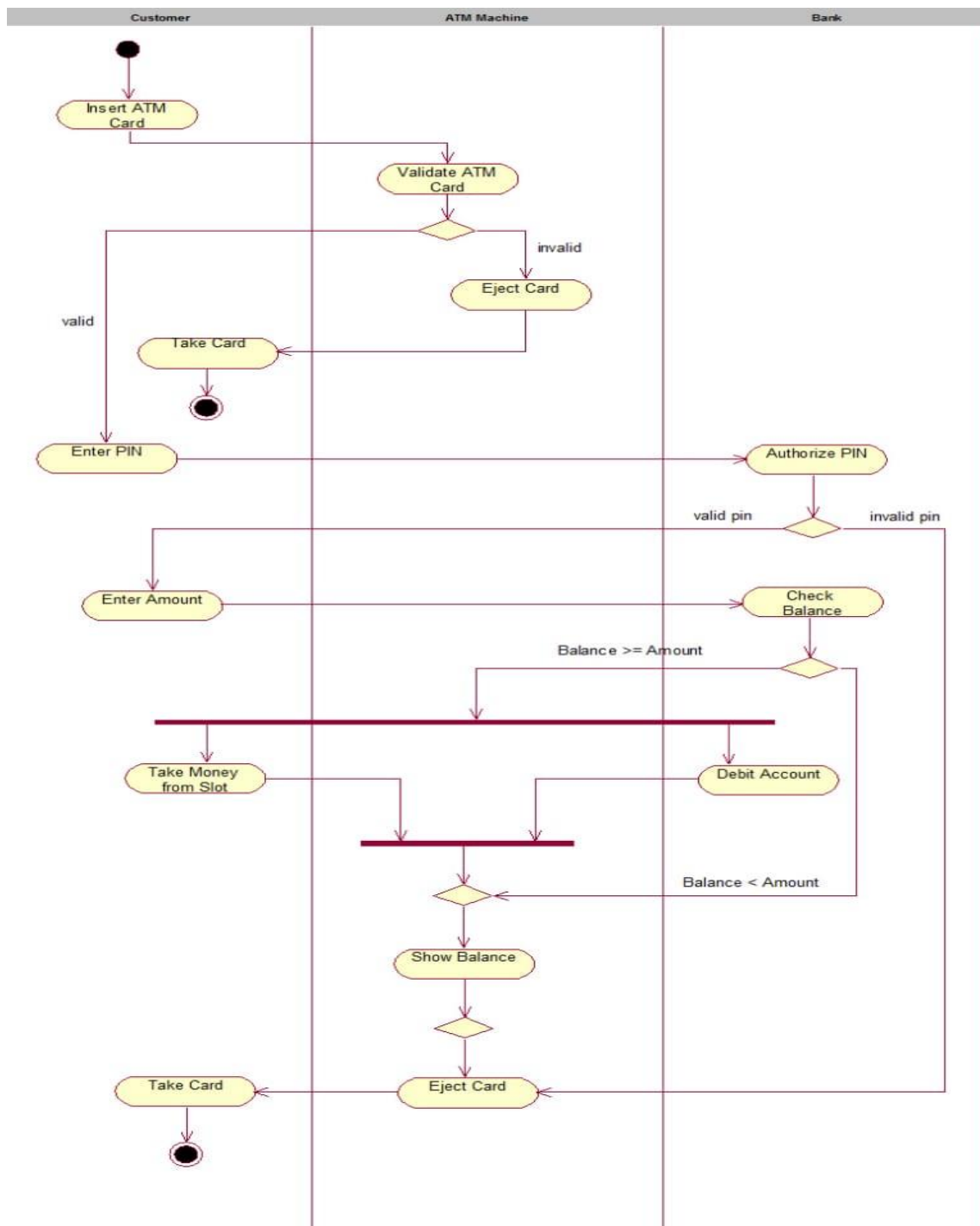
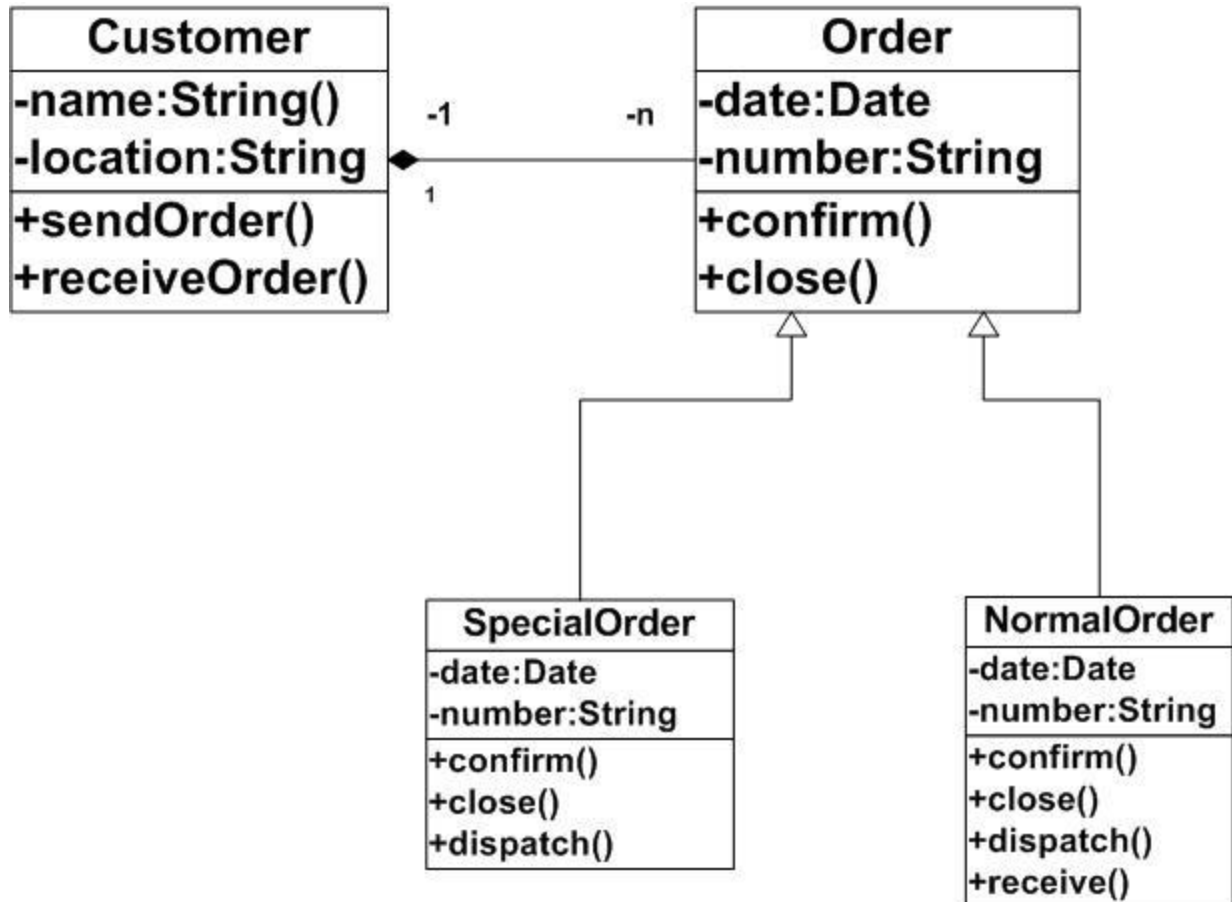


Fig : ATM Transaction activity diagram

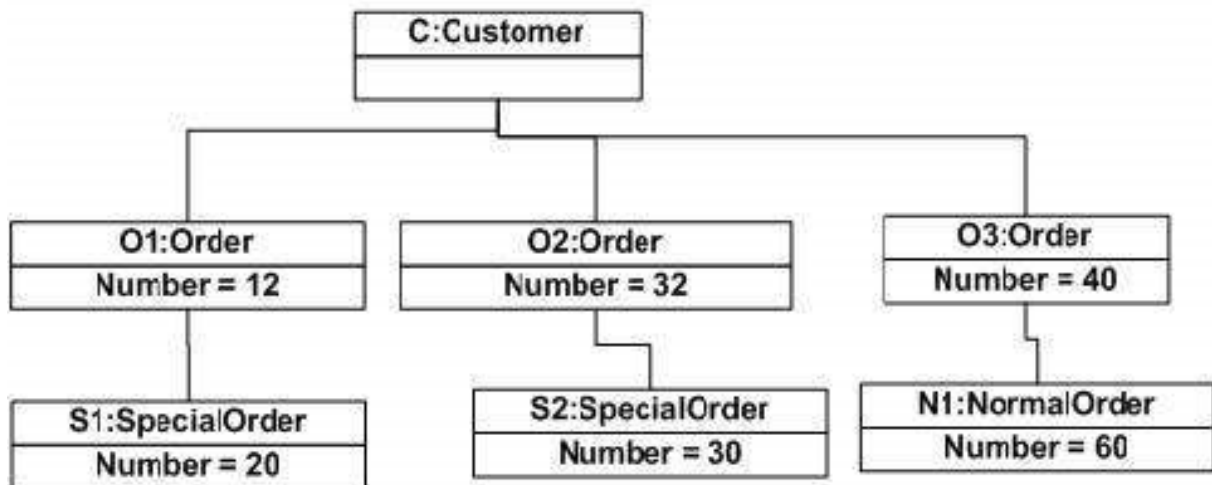
EXPERIMENT 6



**CLASS DIAGRAM OF AN ORDER
MANAGEMENT SYSTEM**

EXPERIMENT 7

Object diagram of an order management system



EXPERIMENT 8

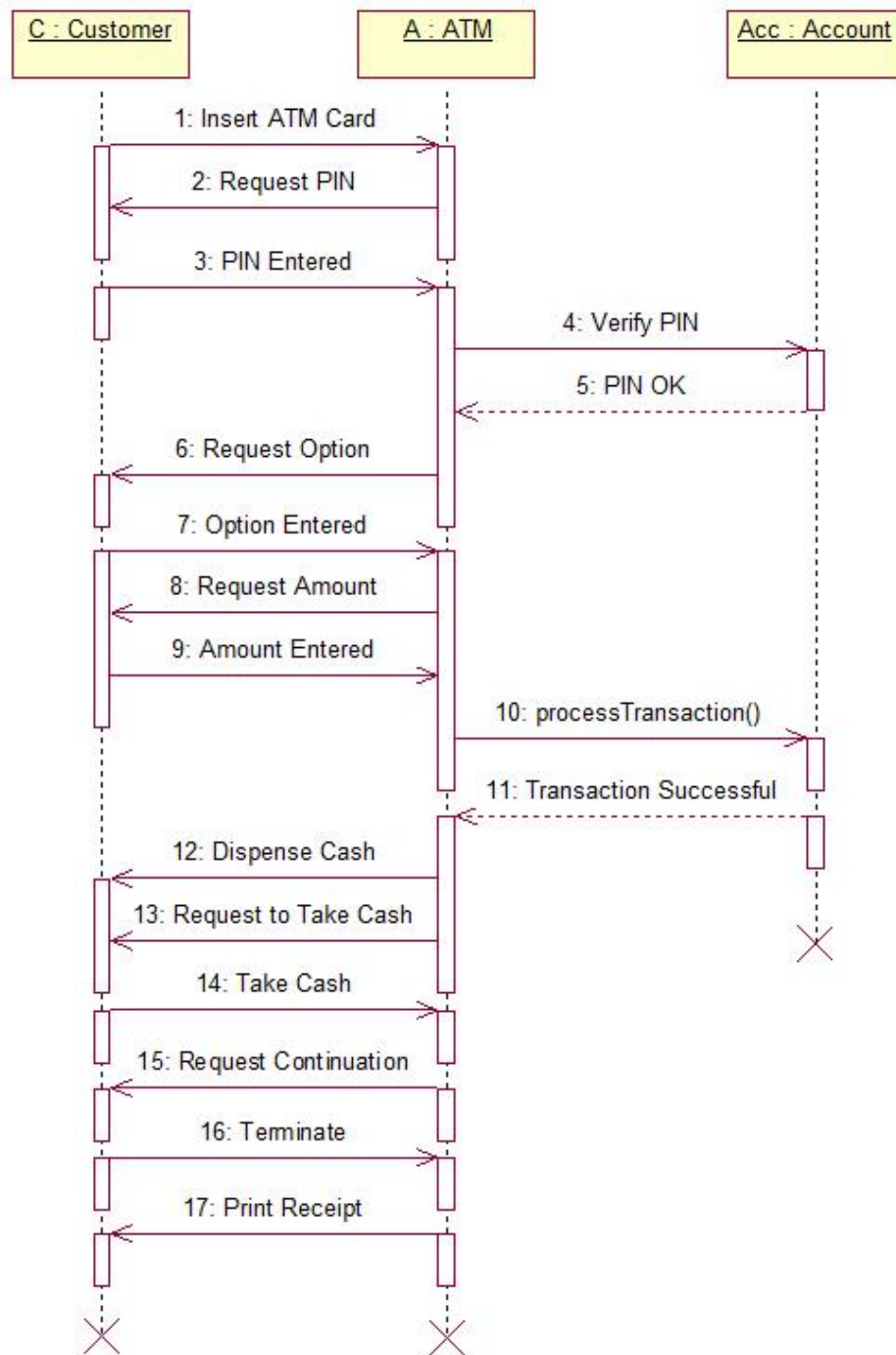


Fig : Sequence diagram for ATM Transaction

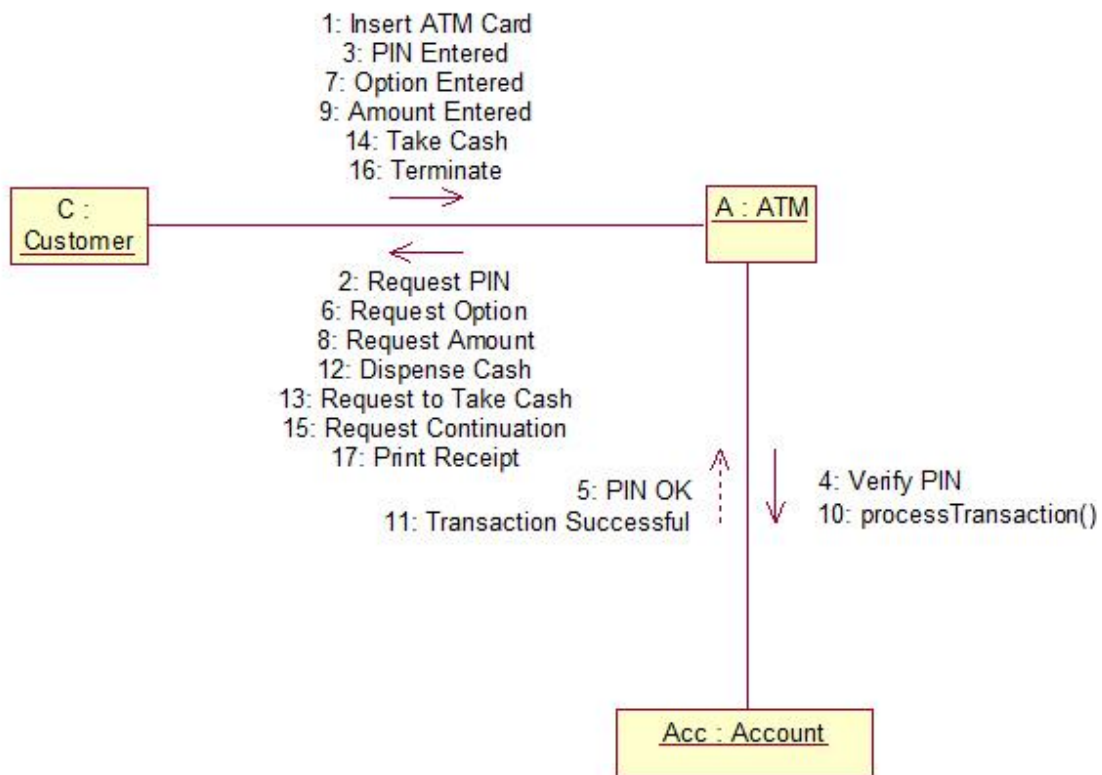


Fig : ATM Transaction

EXPERIMENT 9

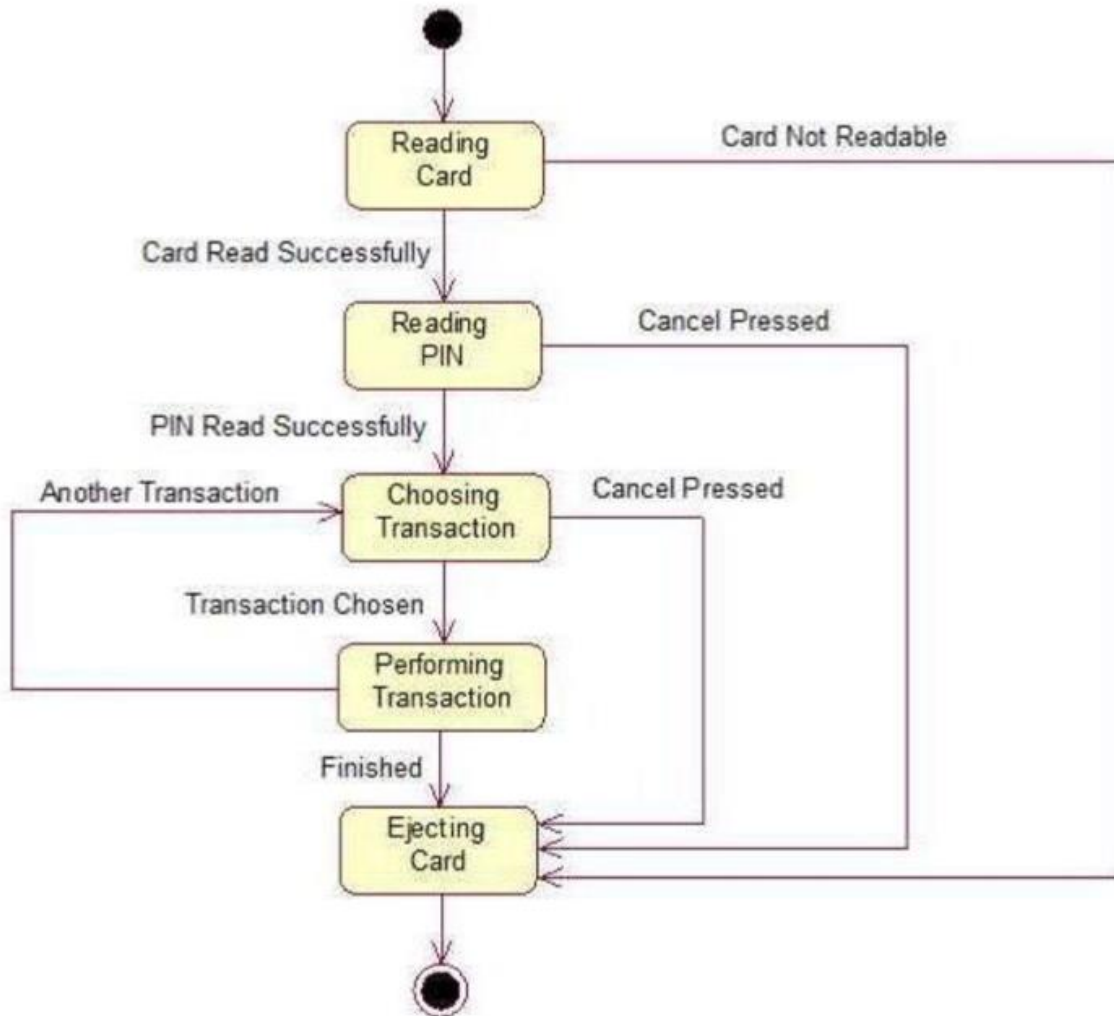


Fig : State chart diagram for ATM transaction