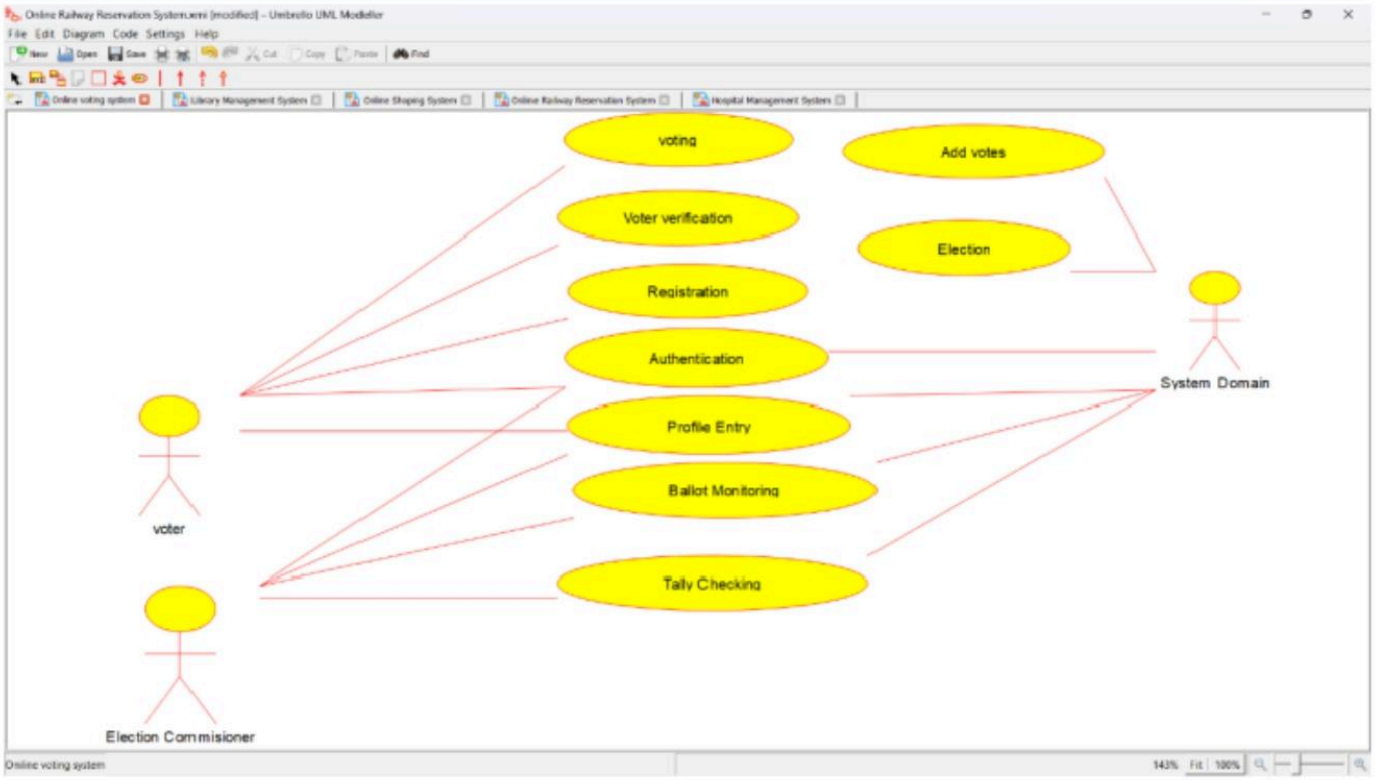
## 1Q. Draw a USE-CASE diagram for Online Voting System using CASE tools

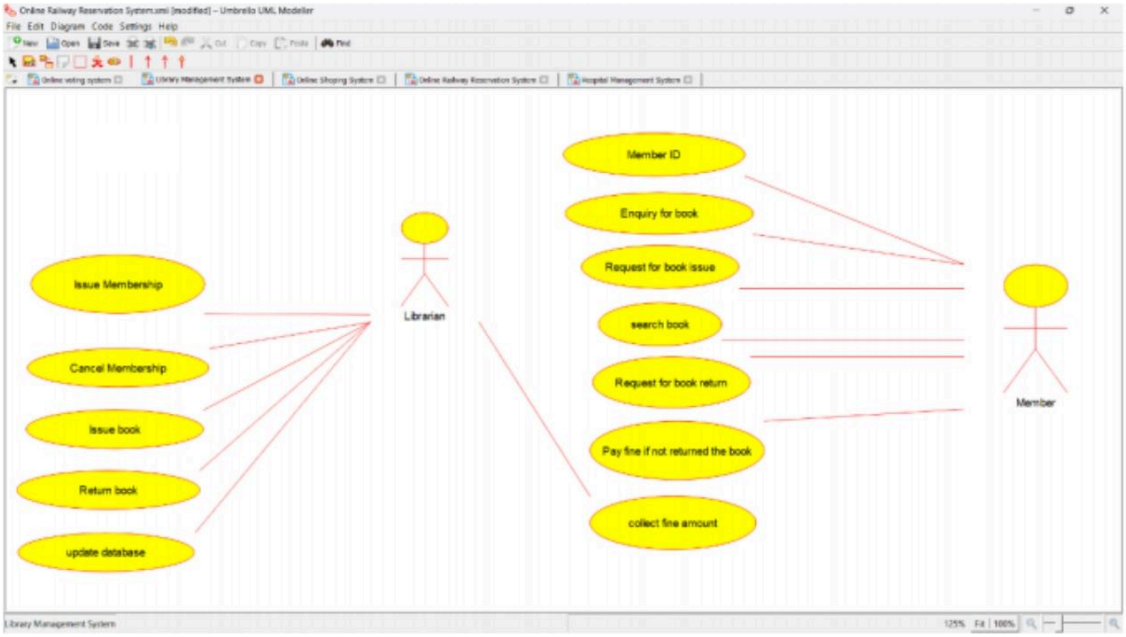
***Aim:*** To draw a use case diagram for online voting system using case tools.
***Software Used:*** Umbrello.
***Diagram:***




**Result:** Drawing a use case diagram for online voting system was completed successfully.

## 2Q. Draw a USE-CASE diagram for Library Management System using CASE tools.

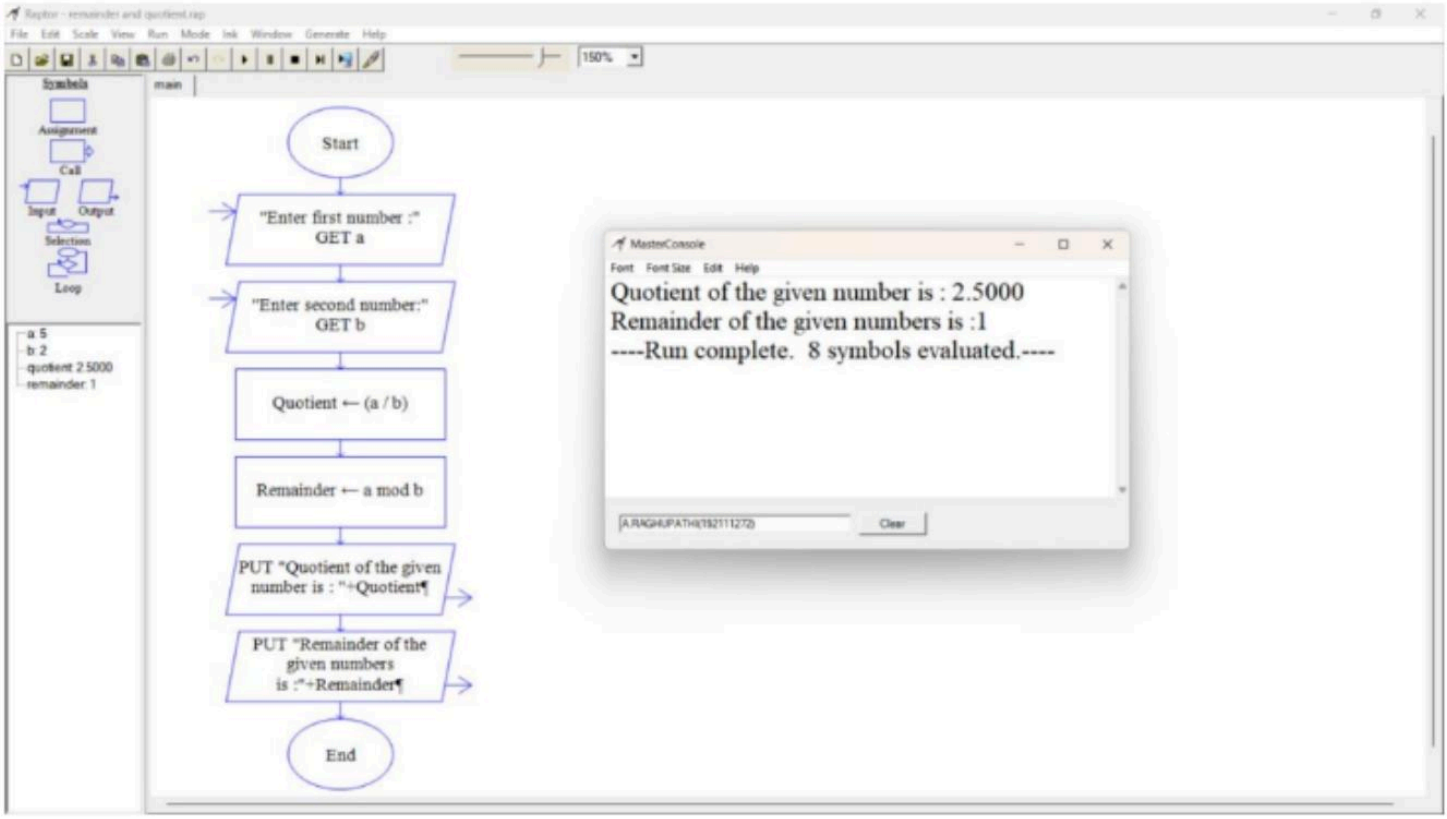
**Aim:** To draw a use case diagram for library management system using case tools.
**Software Used:** Umbrello.
**Diagram:**




**Result:** Drawing a use case diagram for library management system was completed successfully.

**3Q. Draw and validate the flowchart to compute the quotient and remainder.**

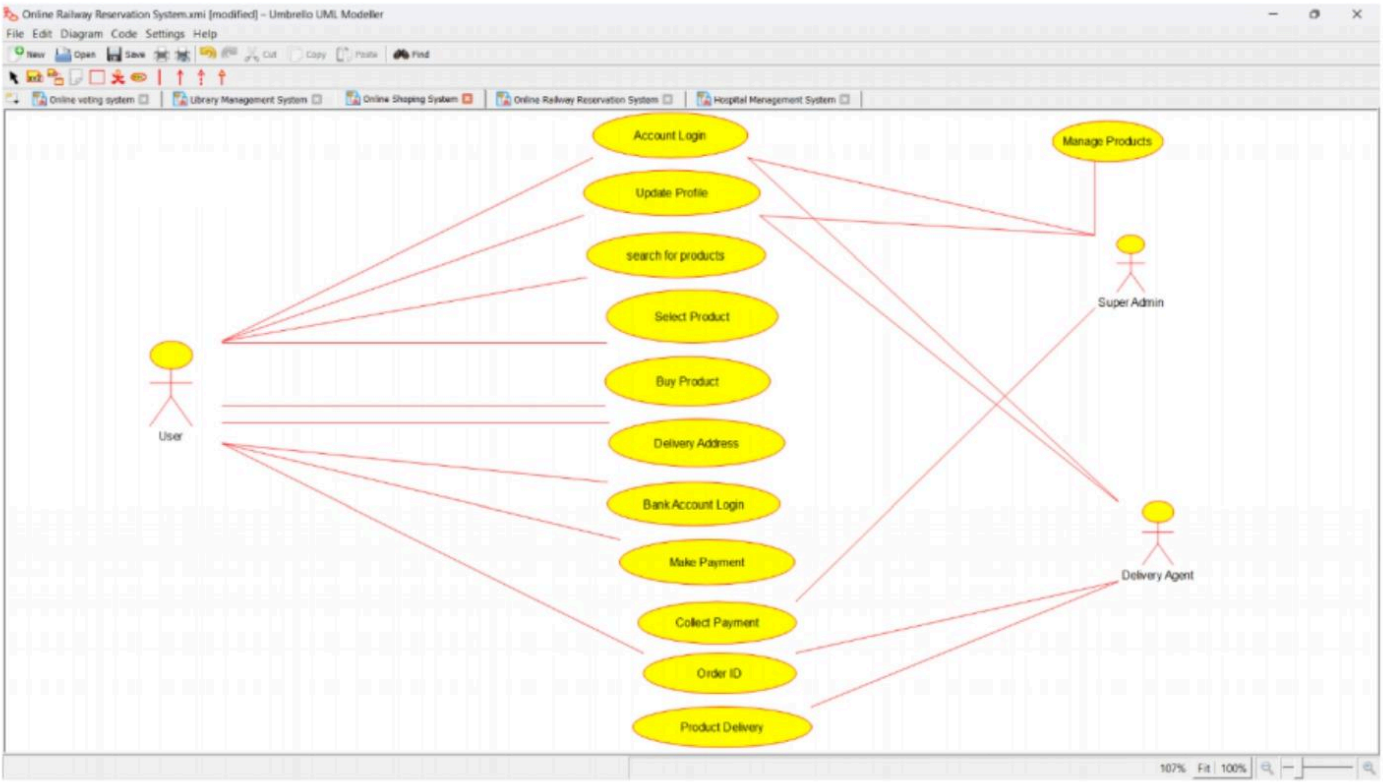
**Aim:** To draw and validate the flowchart to compute the quotient and remainder.
**Software Used:** Raptor.
**Diagram:**




**Result:** Flowchart to compute the quotient and remainder was completed and output verified.

**4Q. Draw a USE-CASE diagram for Online Shopping system using CASE tools.**

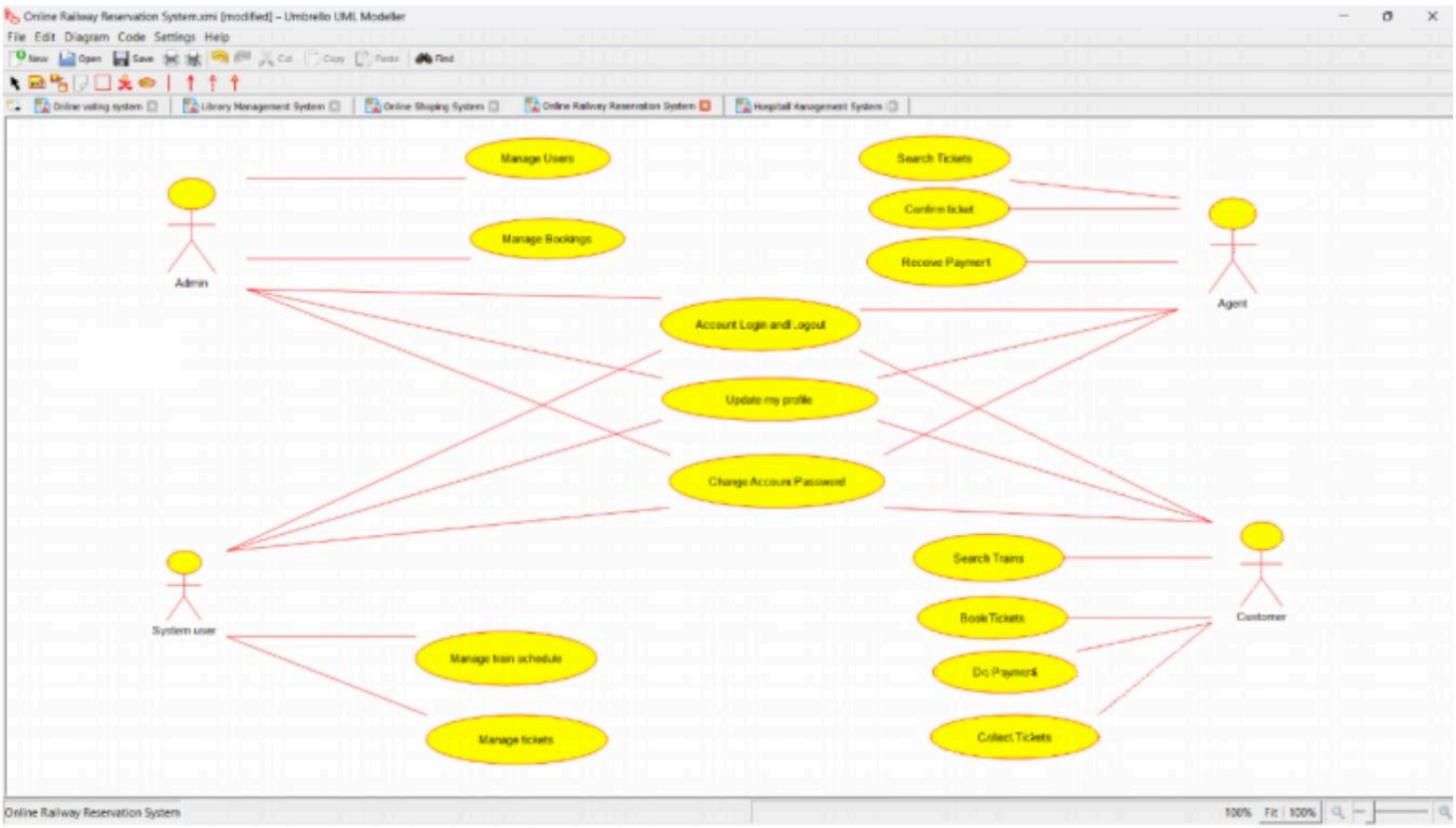
**Aim:** To draw a use case diagram for online shopping system.
**Software Used:** Umbrello.
**Diagram:**




**Result :** Drawing of use case diagram for online shopping voting system was successfully completed.

**5Q. Draw a USE-CASE diagram for Online Railway Reservation System using CASE tools.**

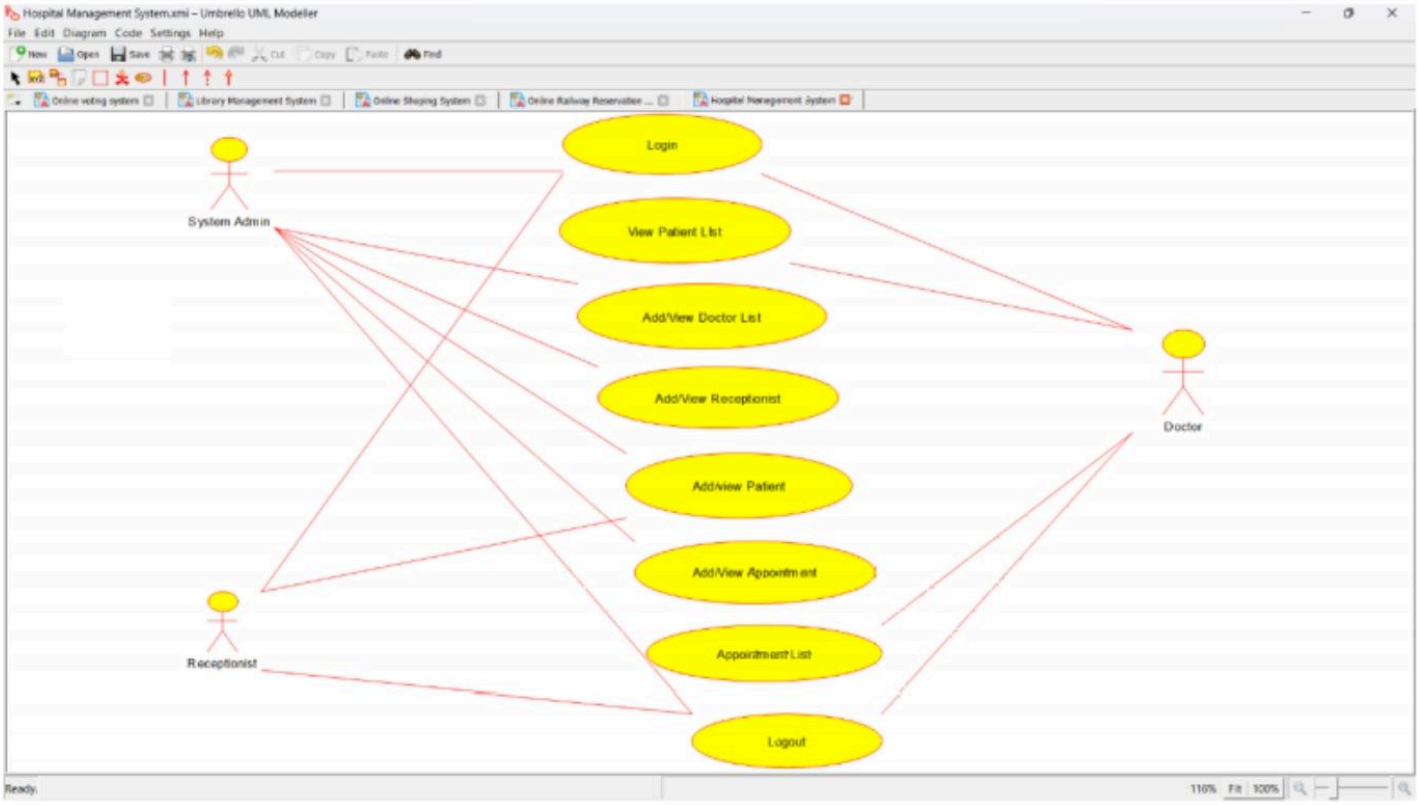
**Aim:** To draw a use case diagram for online railway reservation system.
**Software Used:** Umbrello.
**Diagram:**




**Result :** Use case diagram for online railway reservation system was successfully completed.

**6Q. Draw a USE-CASE diagram for Hospital Management System using CASE tools.**

**Aim:** To draw a use case diagram for hospital management system.
**Software Used:** Umbrello.
**Diagram:**



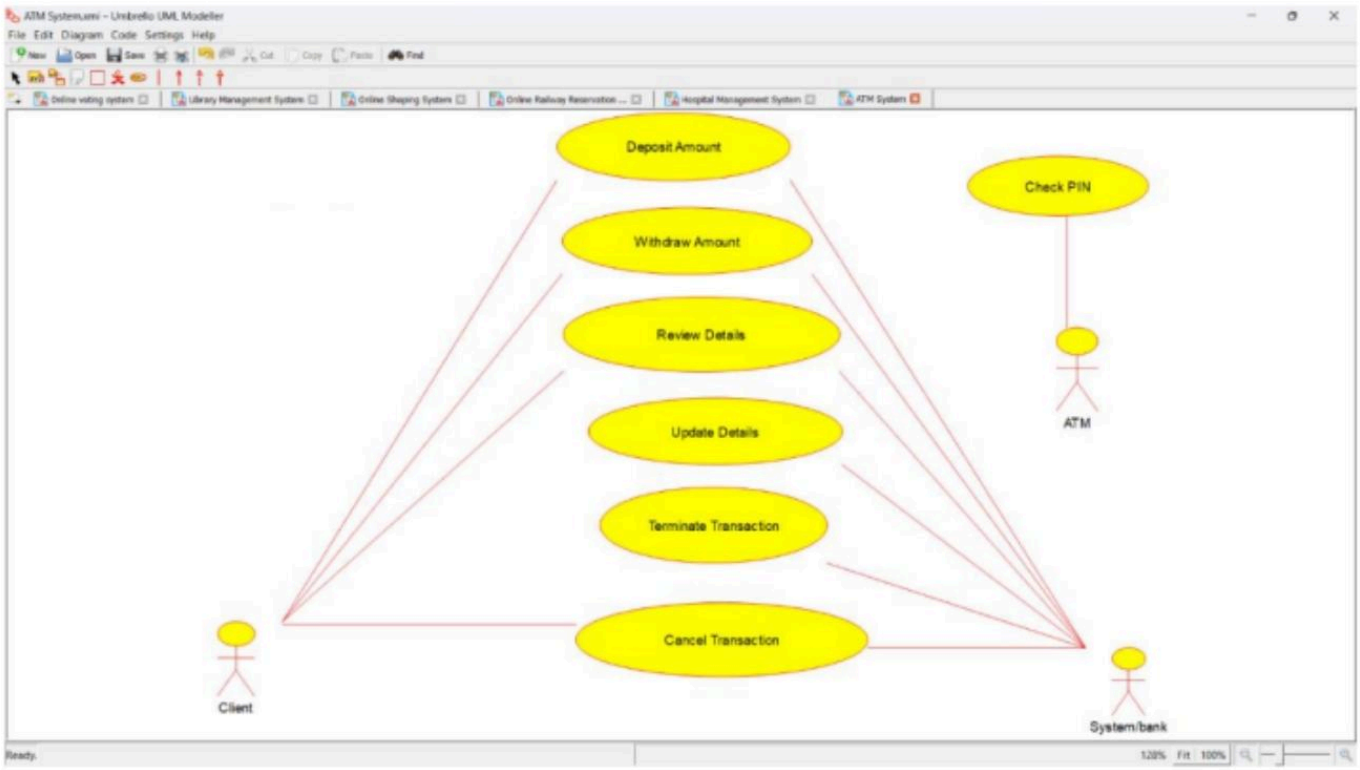

**Result :** Use case diagram for hospital management system was successfully completed.

**7Q. Draw a USE-CASE diagram for ATM System using CASE tools.**

**Aim:** To draw a use case diagram for ATM system.

**Software Used:** Umbrello.

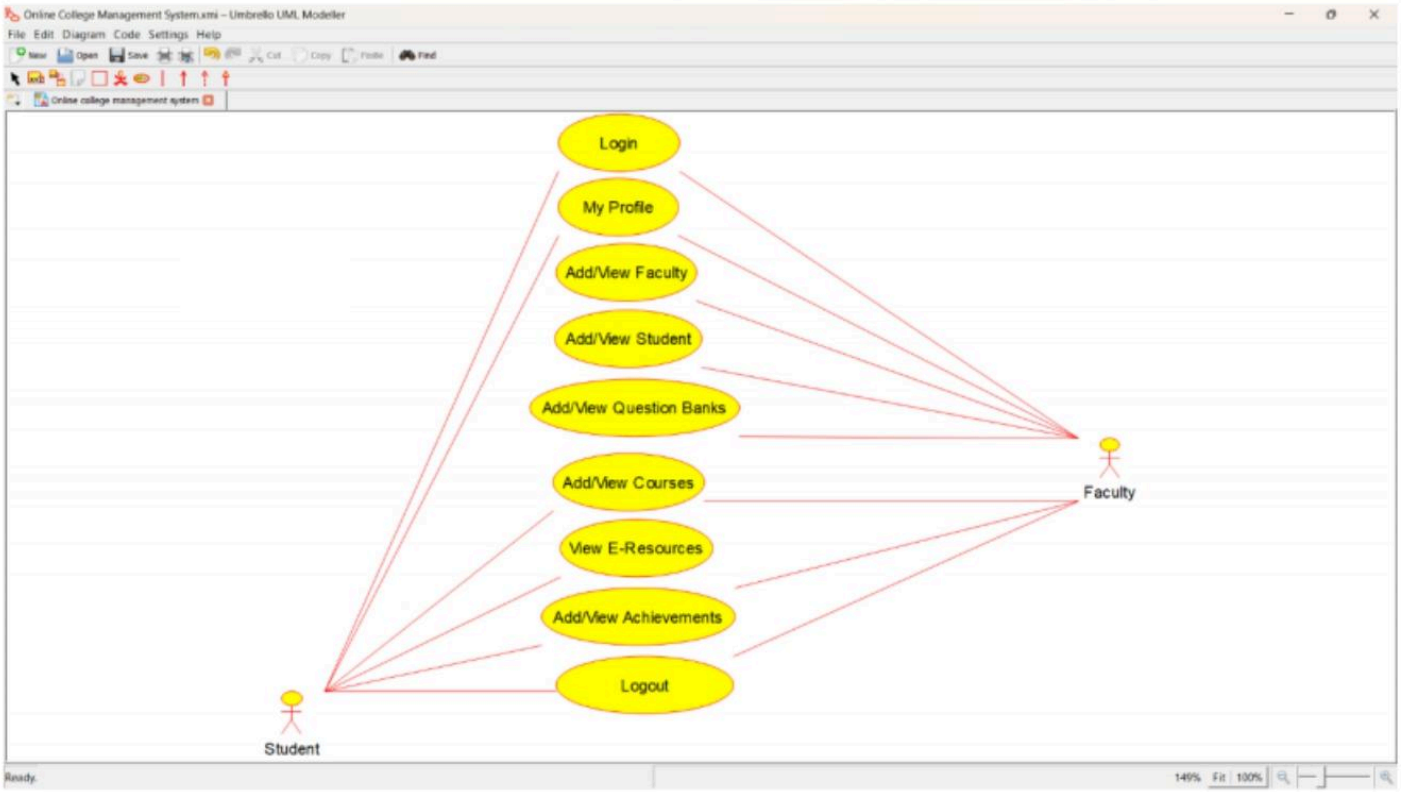
**Diagram:**




**Result :** Use case diagram for ATM system was completed successfully.

**8Q. Draw a USE-CASE diagram for Online college management System using CASE tools.**

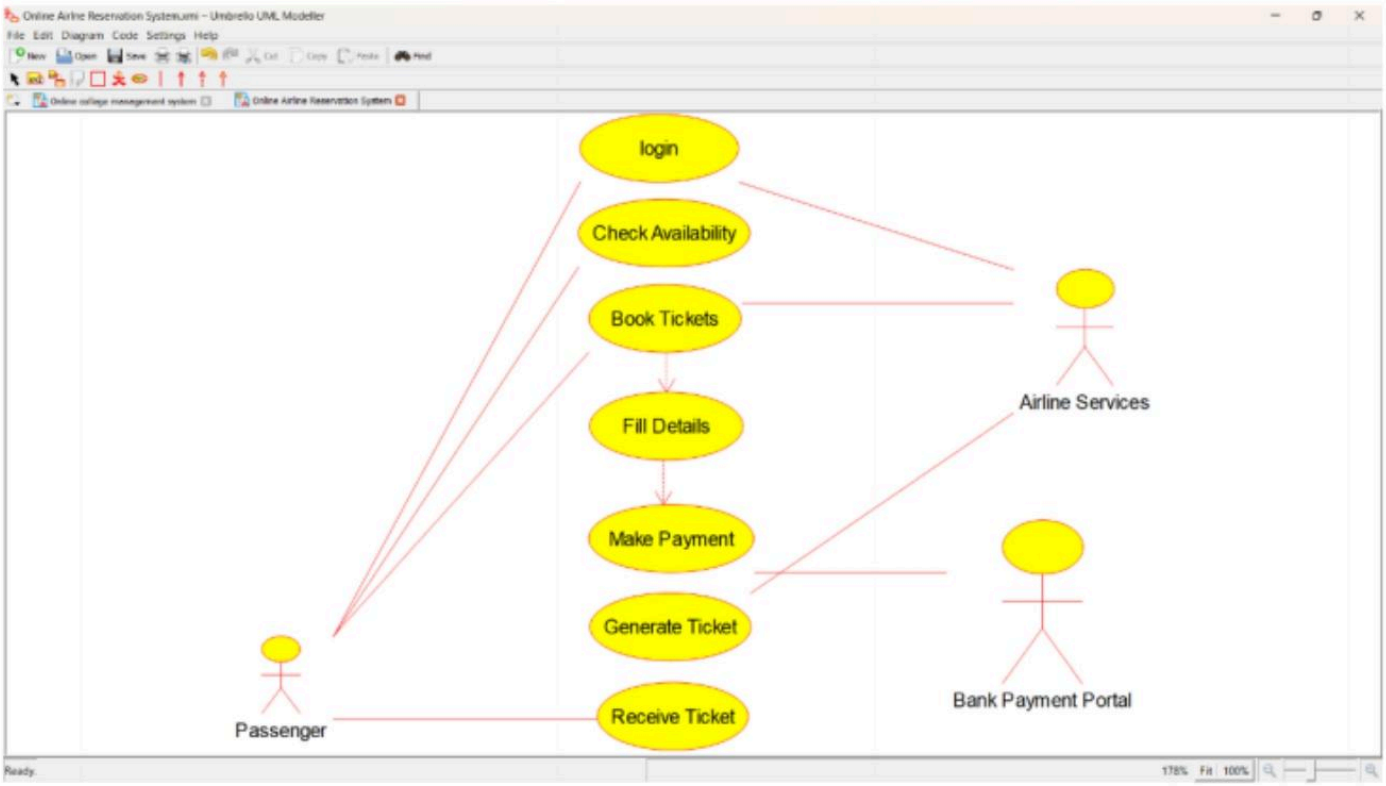
**Aim:** To draw a use case diagram for online college management system.
**Software Used:** Umbrello.
**Diagram:**




**Result :** Use case diagram for online college management system was successfully completed.

**9Q. Draw a USE-CASE diagram for Online Airline Reservation System using CASE tools.**

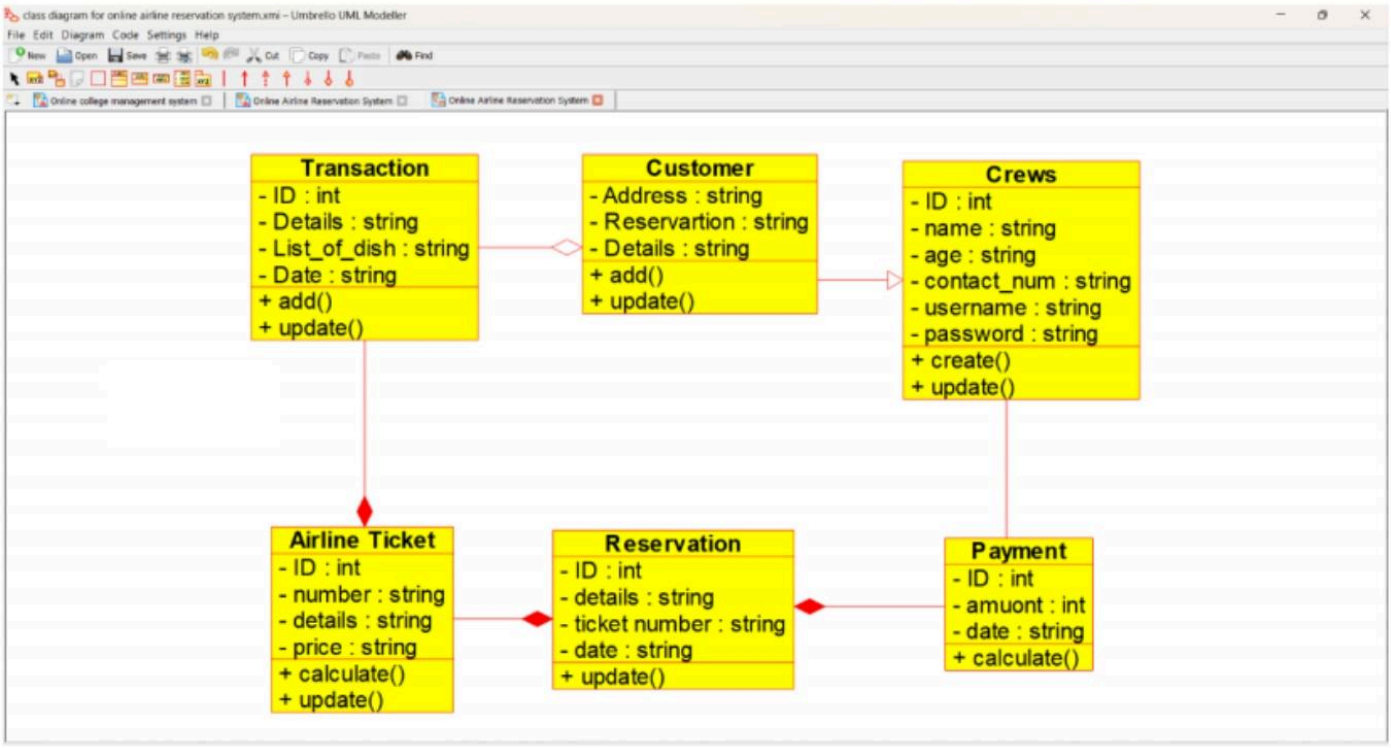
**Aim:** To draw a use case diagram for online airline reservation system.
**Software Used:** Umbrello
**Diagram:**




**Result:** Use case diagram for online airline reservation system was successfully completed.

**10Q. Draw a Class diagram for Online Airline Reservation System using CASE tools.**

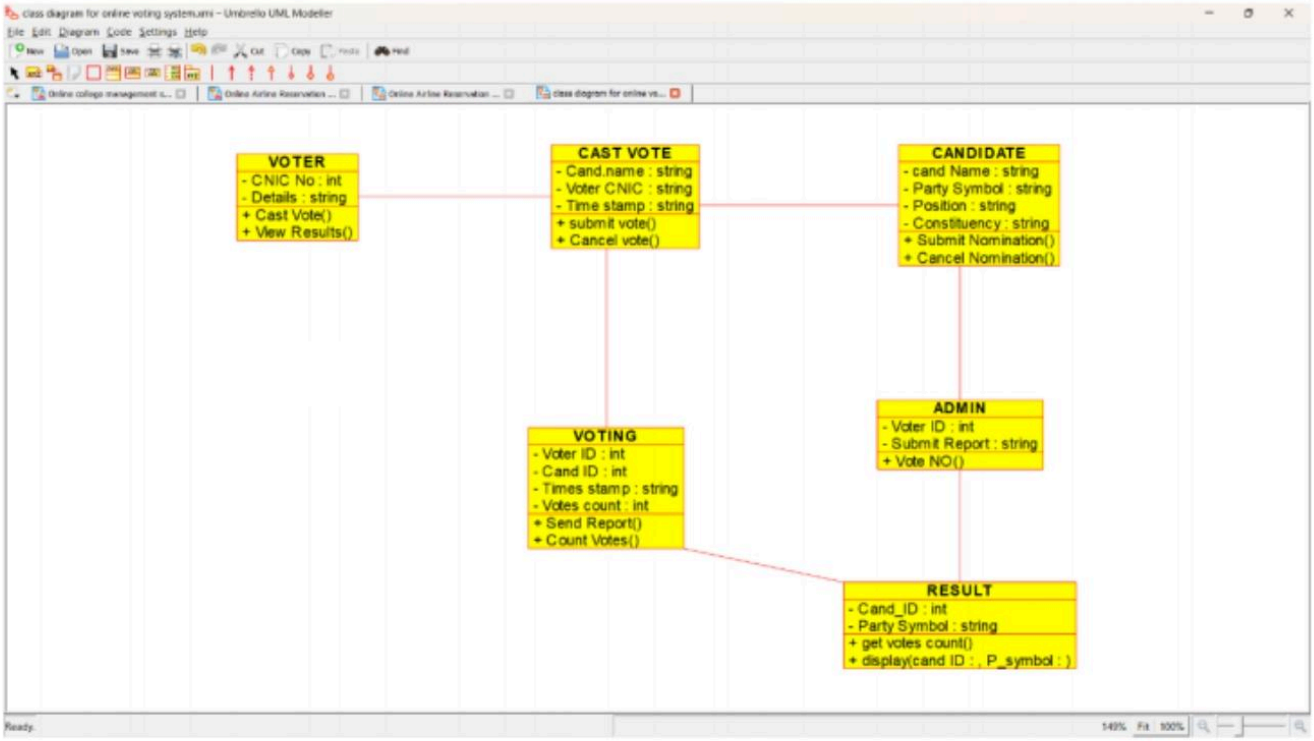
**Aim:** To draw a class diagram for online airline reservation system.
**Software Used:** Umbrello.
**Diagram:**




**Result:** Class diagram for online airline reservation system was successfully completed.

## 11Q. Draw a Class diagram for Online Voting System using CASE tools

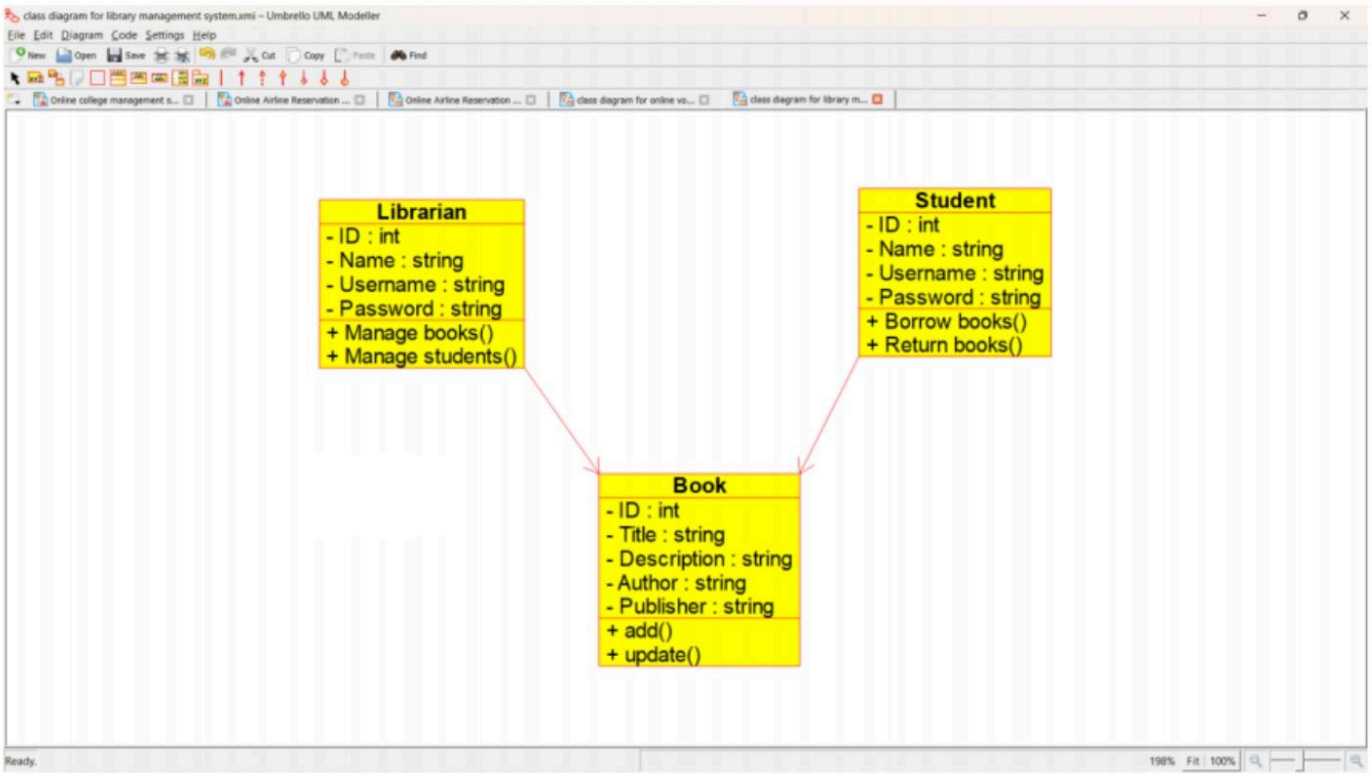
**Aim:** To draw a class diagram for online voting system.
**Software Used:** Umbrello.
**Diagram:**




**Result:** Class diagram for online voting system was successfully completed.

**12Q. Draw a Class diagram for Library Management System using CASE tools.**

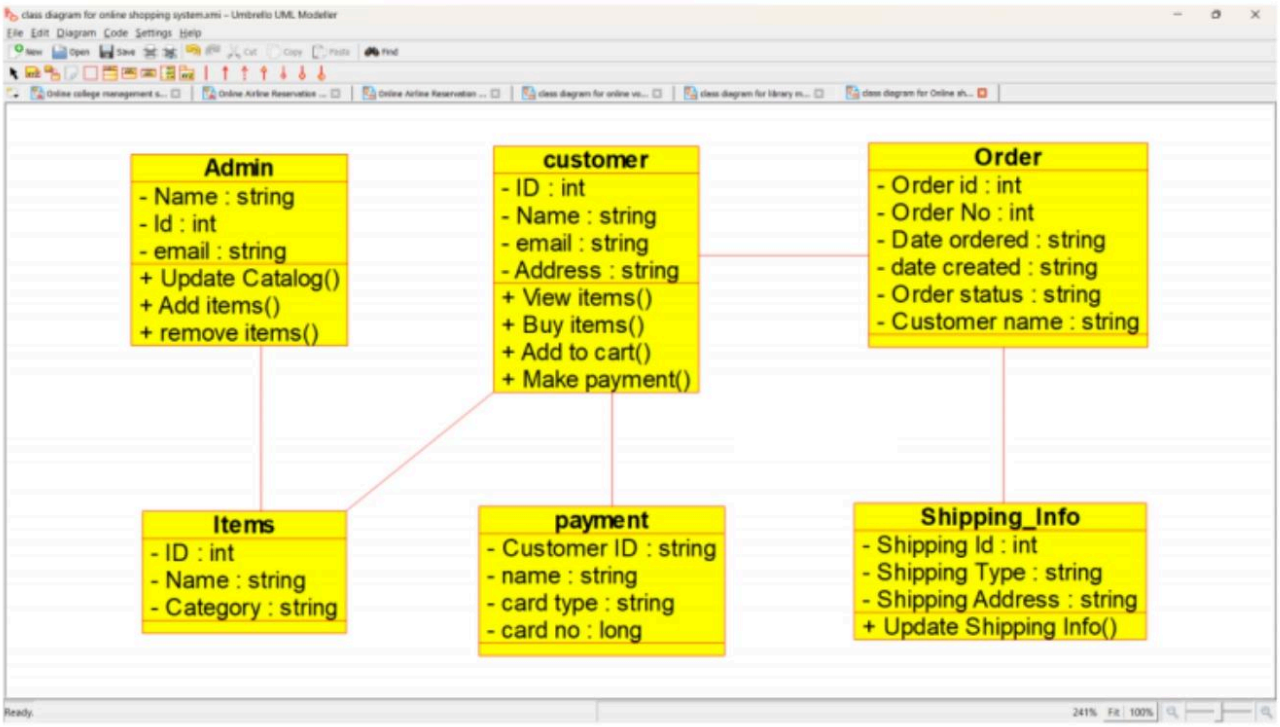
**Aim:** To draw a class diagram for library management system.
**Software Used:** Umbrello.
**Diagram:**




**Result:** Class diagram for library management system was successfully completed.

**13. Draw a Class diagram for Online Shopping system using CASE tools.**

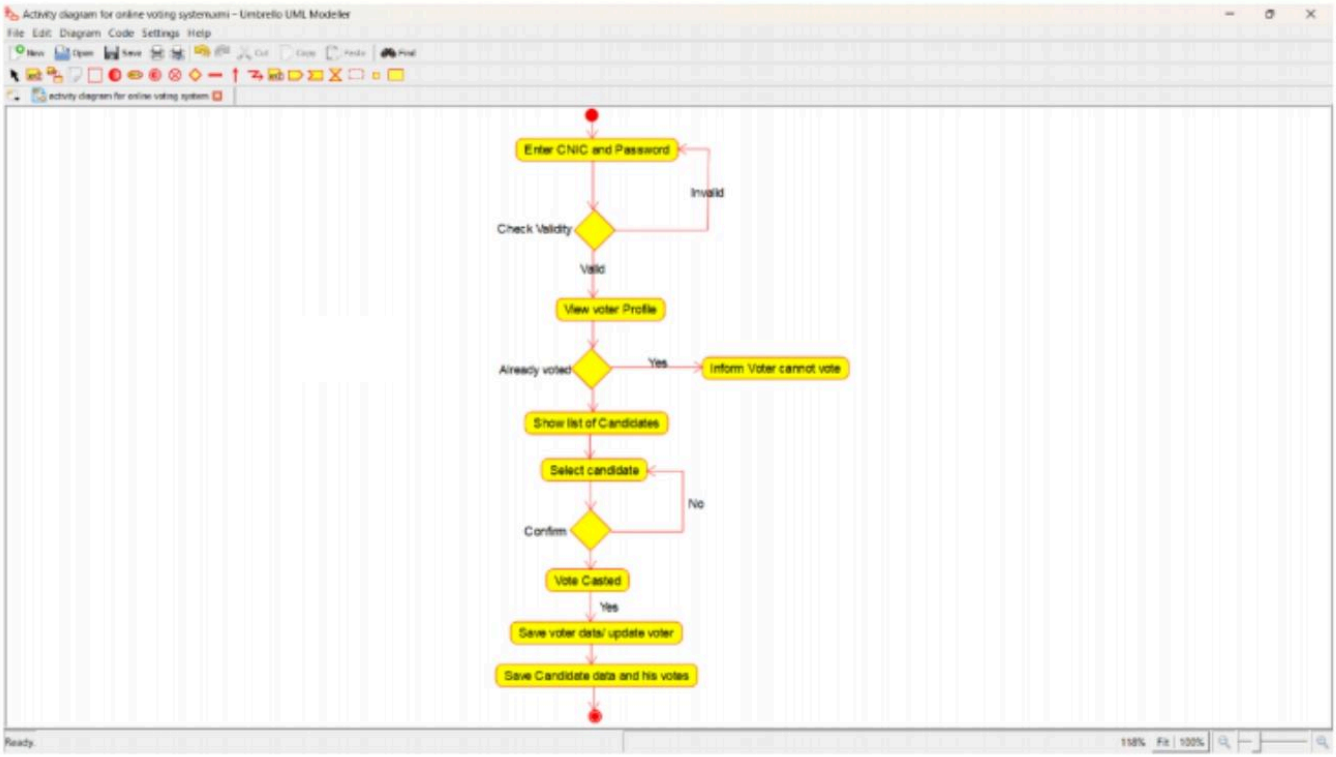
**Aim:** To draw a class diagram for online shopping system using case tools.
**Software used:** Umbrello.
**Diagram:**




**Result:** Class diagram for online shopping system was completed successfully.

**15Q. Draw a Activity diagram for Online Voting System using CASE tools.**

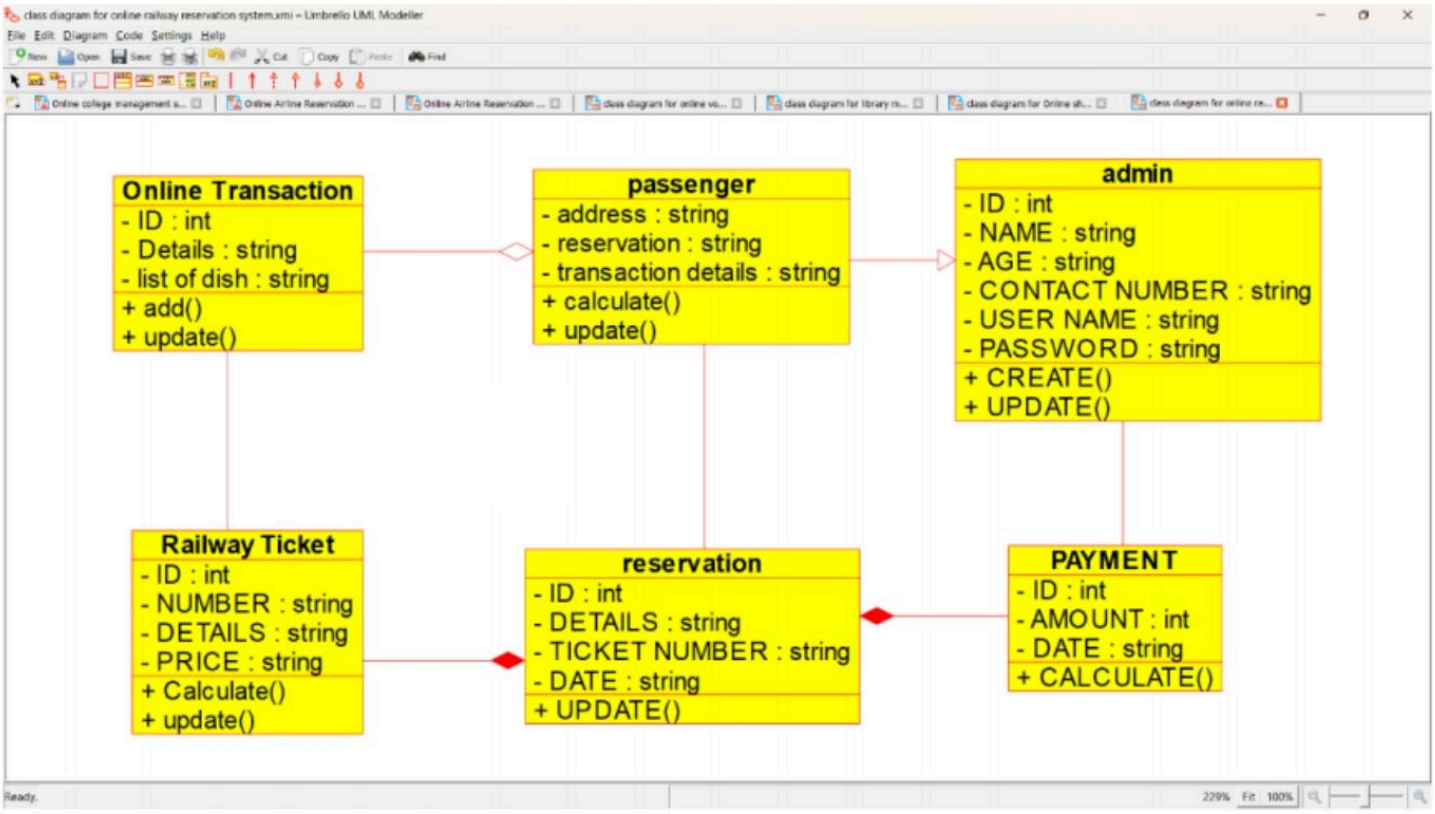
**Aim:** To draw a activity diagram for online voting system.
**Software used:** Umbrello.
**Diagram:**




**Result:** Activity diagram for online voting system was successfully completed.

**14Q. Draw a Class diagram for Online Railway Reservation System using CASE tools.**

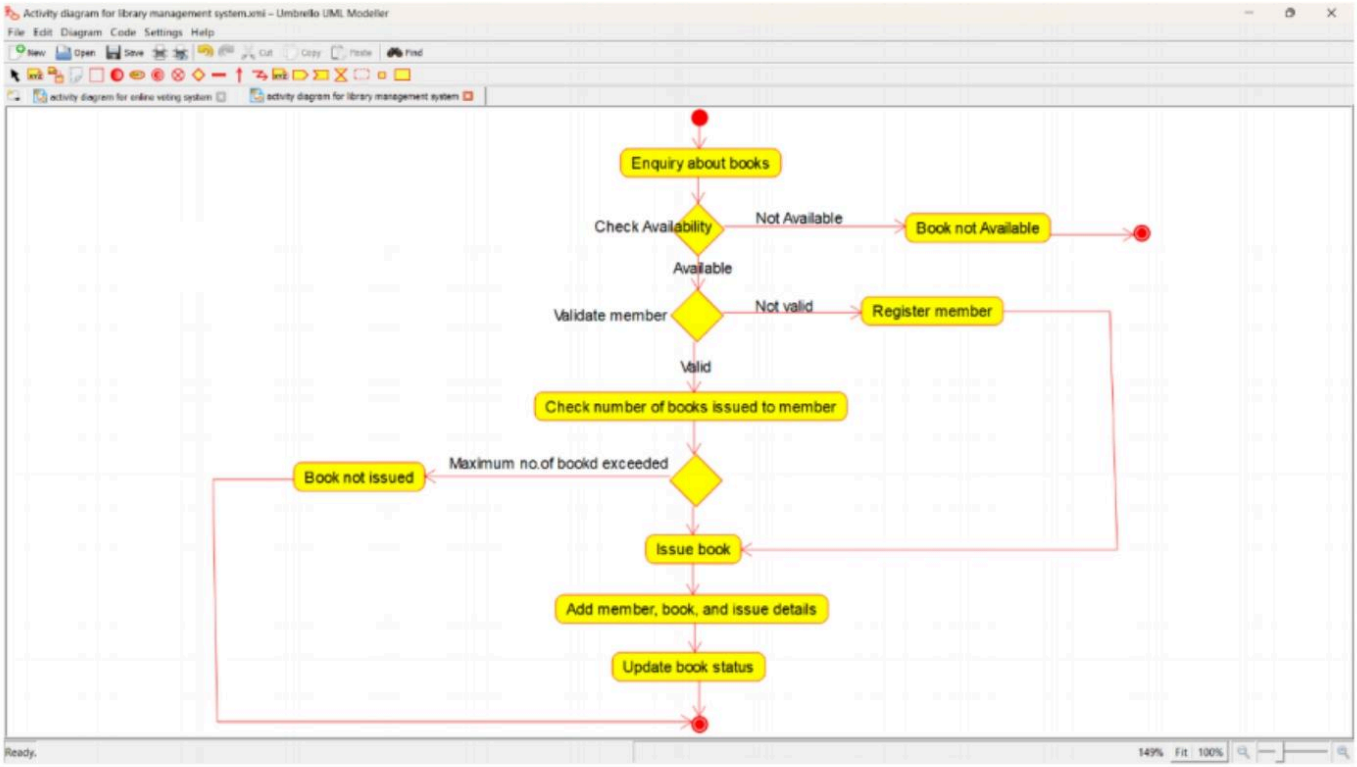
**Aim:** To draw a class diagram for online railway reservation system.
**Software used:** Umbrello.
**Diagram:**




**Result:** Class diagram for online railway reservation system was successfully completed.

**16Q. Draw a Activity diagram for Library Management System using CASE tools.**

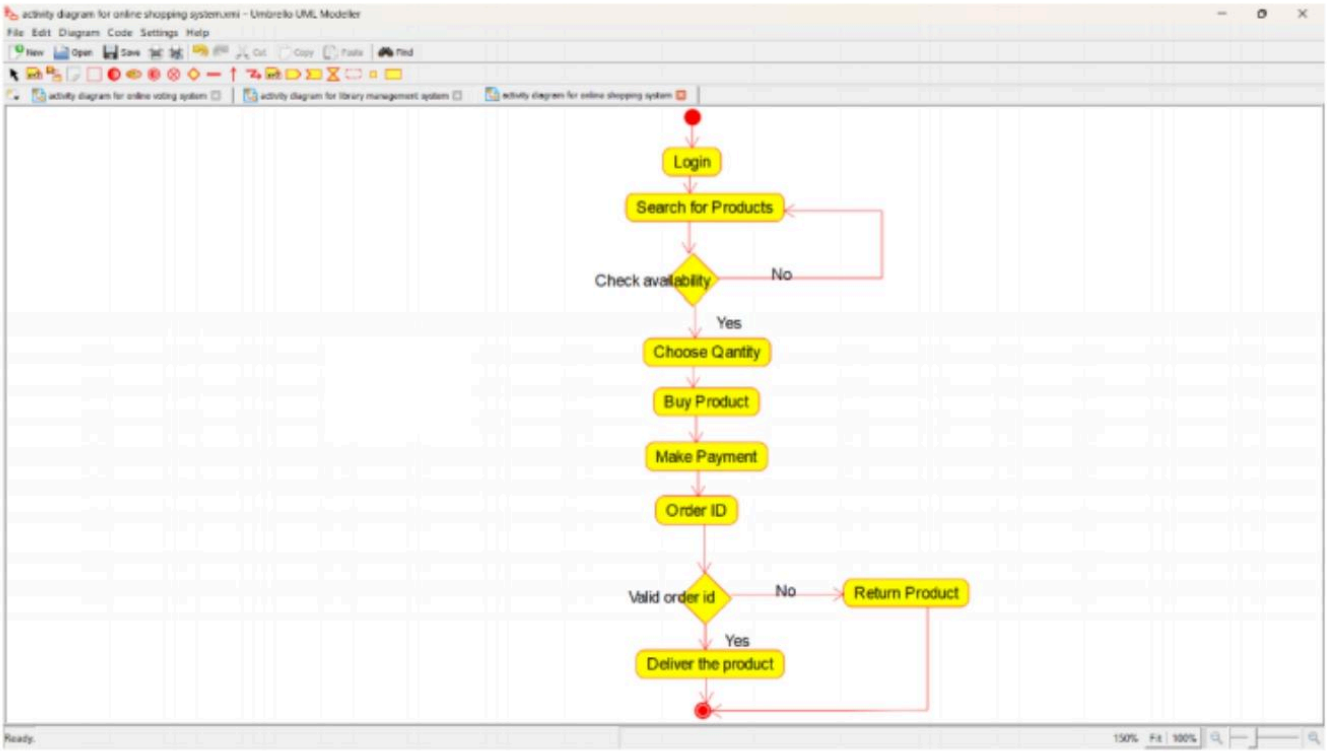
**Aim:** To draw a activity diagram for library management system
**Software used:** Umbrello.
**Diagram:**




**Result:** Activity diagram for library management system was successfully completed.

**17Q. Draw a Activity diagram for Online Shopping system using CASE tools.**

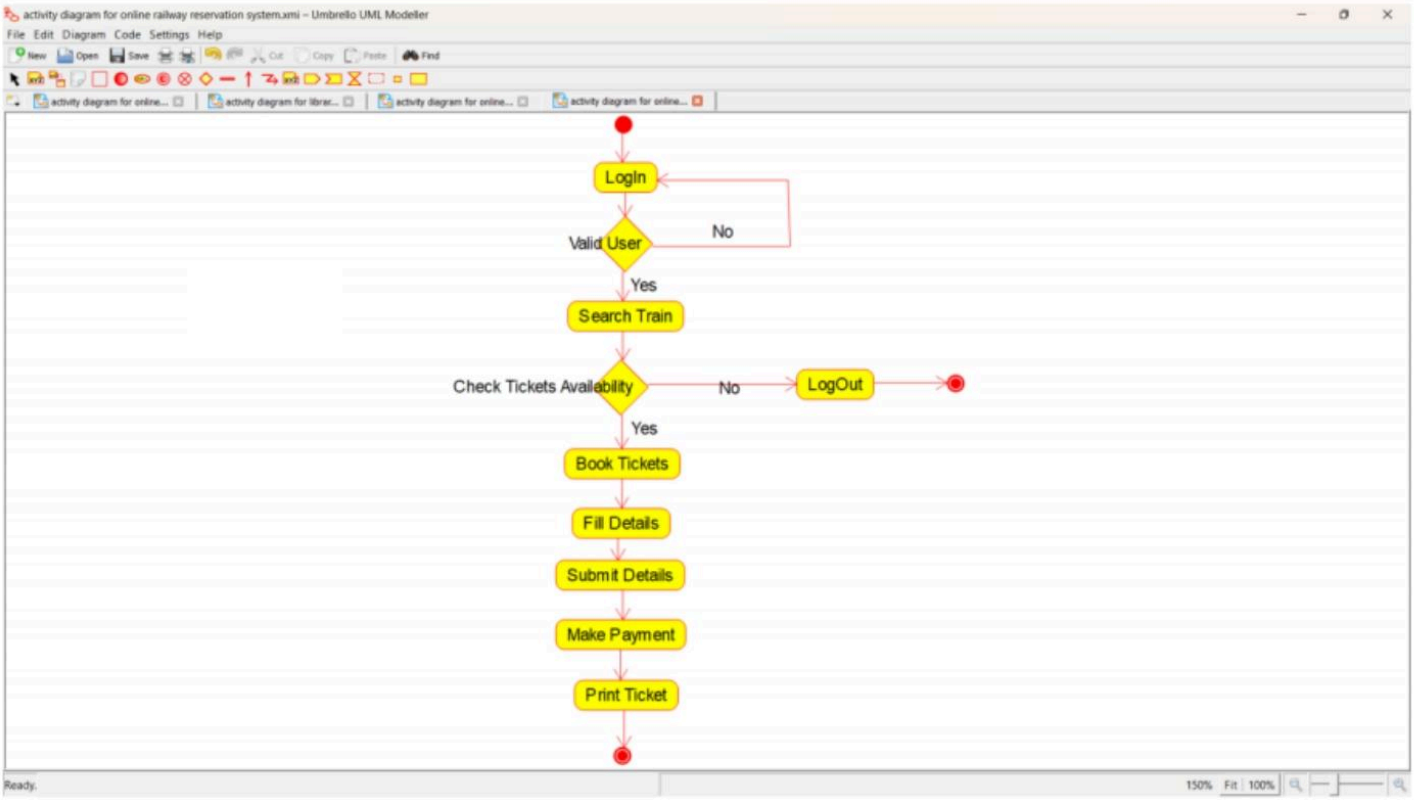
**Aim:** To draw a activity diagram for online shopping system.
**Software used:** Umbrello.
**Diagram:**




**Result:** Activity diagram for online shopping system was successfully completed.

**18Q. Draw a Activity diagram for Online Railway Reservation System using CASE tools.**

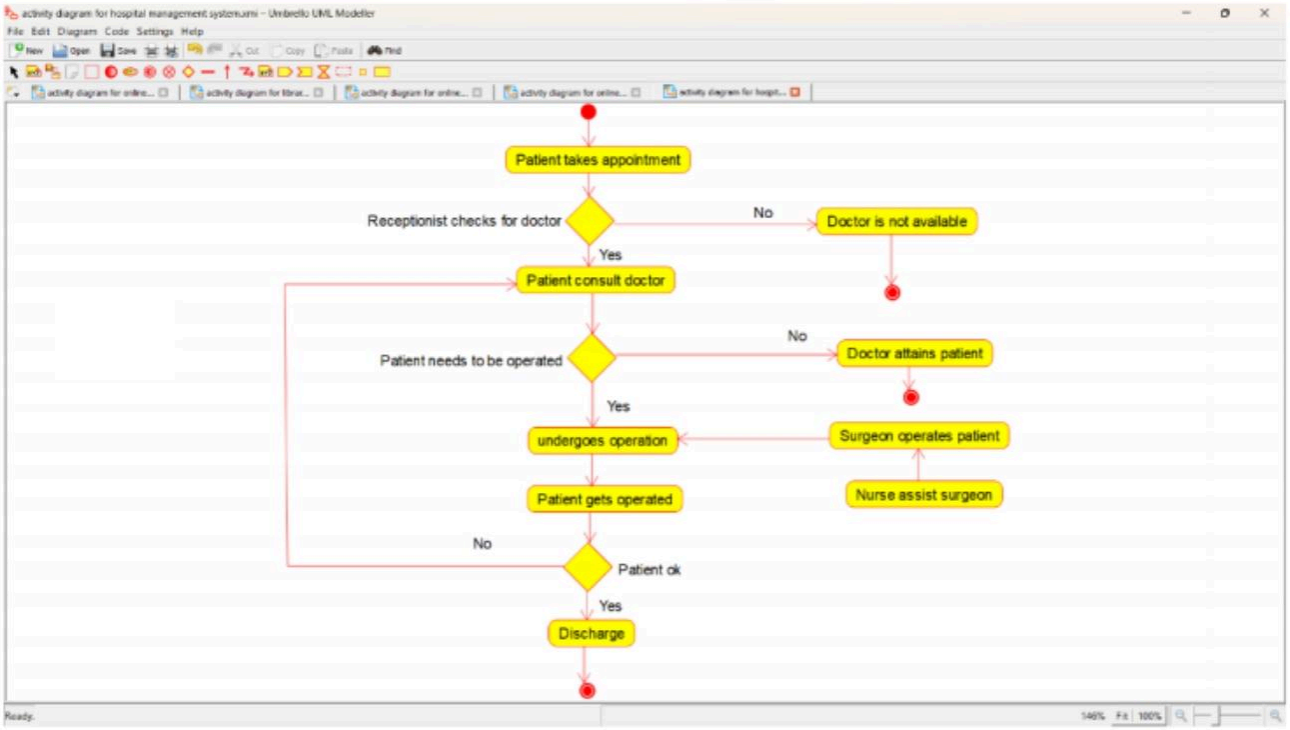
**Aim:** To draw a activity diagram for online railway reservation system.
**Software used:** Umbrello.
**Diagram:**




**Result:** Activity diagram for online railway reservation system was successfully completed.

**19Q. Draw a Activity diagram for Hospital Management System using CASE tools.**

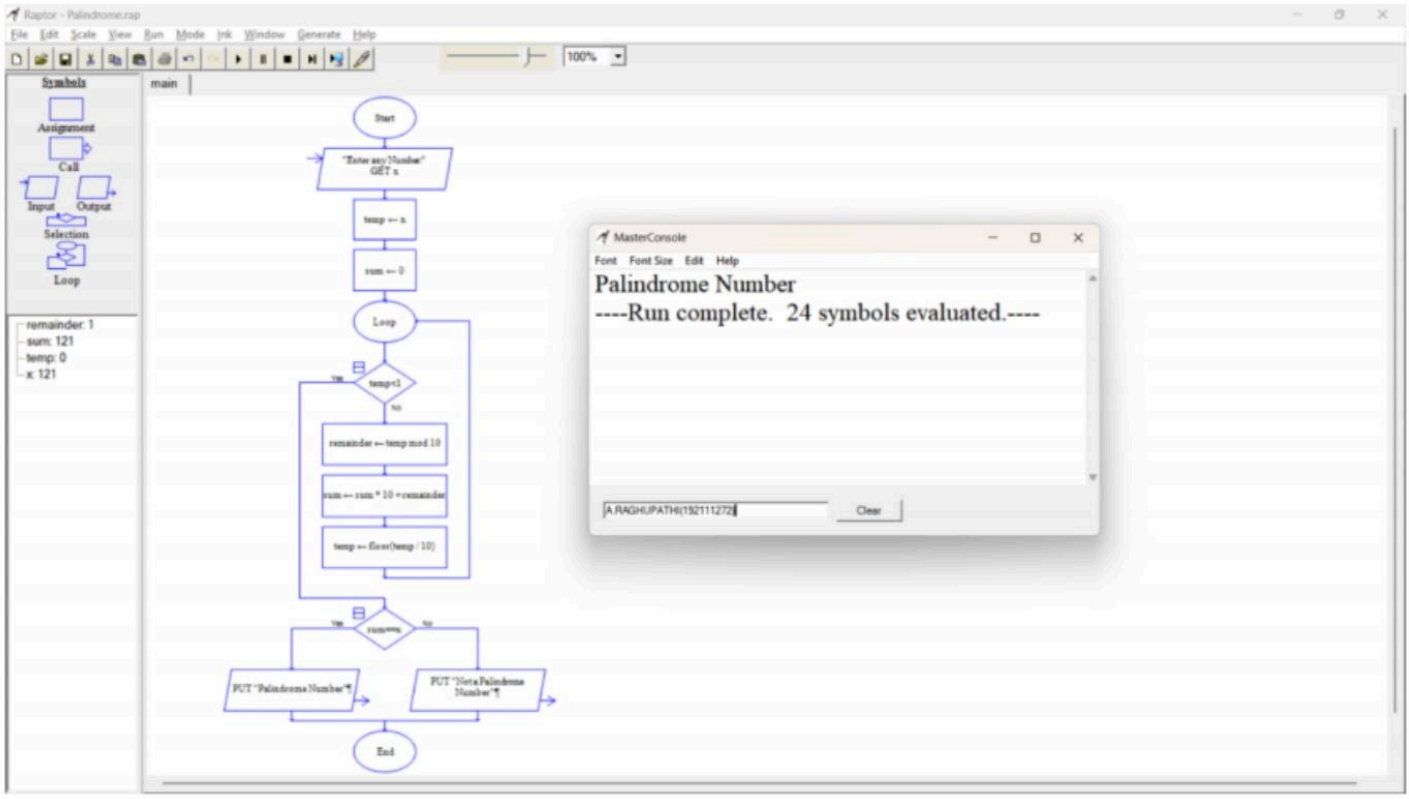
**Aim:** To draw a activity diagram for hospital management system.
**Software used:** Umbrello.
**Diagram:**




**Result:** Activity diagram for hospital management system was successfully completed.

**20Q. Using Raptor- Draw the flowchart to check whether the given number is a palindrome or not.**

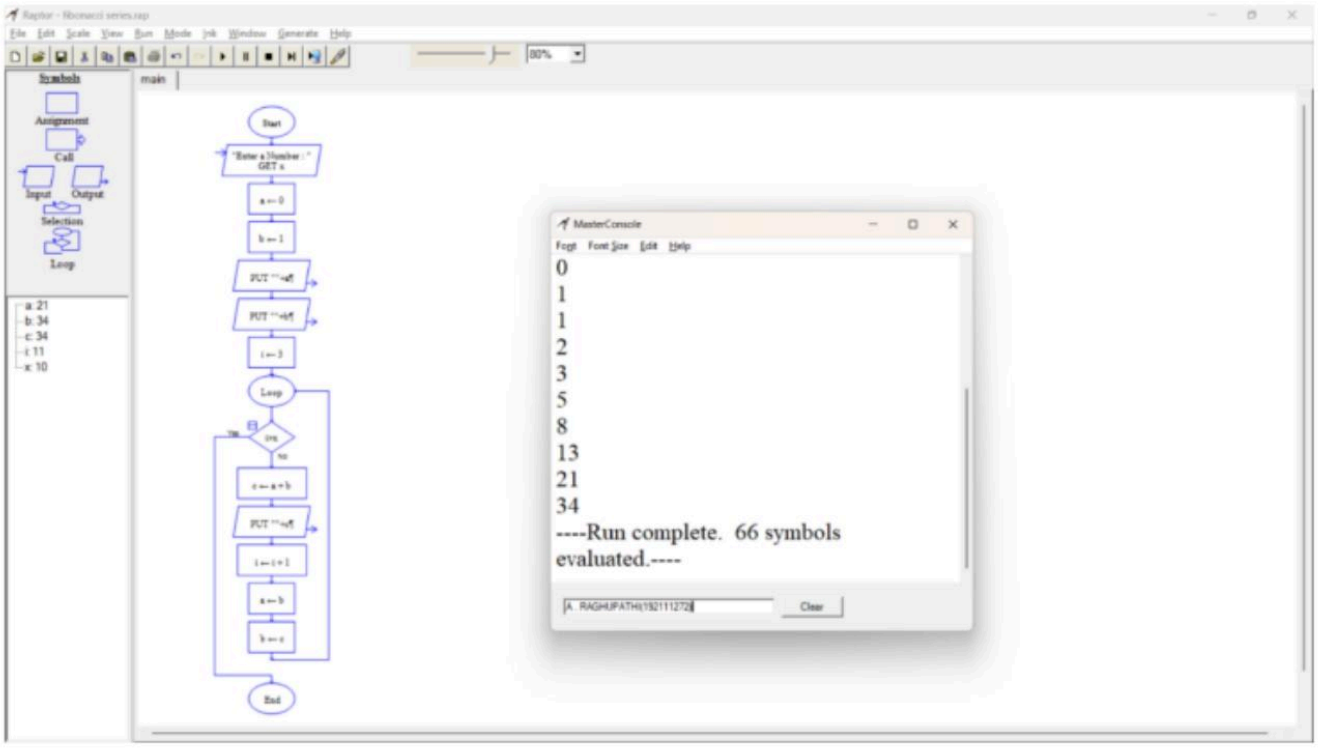
**Aim:** To draw the flowchart to check whether the given number is a palindrome or not.
**Software used:** Raptor.
**Diagram:**




**Result:** Flowchart to check whether the given number is palindrome or not was completed and output verified.

**21Q. Using Raptor- Draw and validate the flowchart to calculate Fibonacci series.**

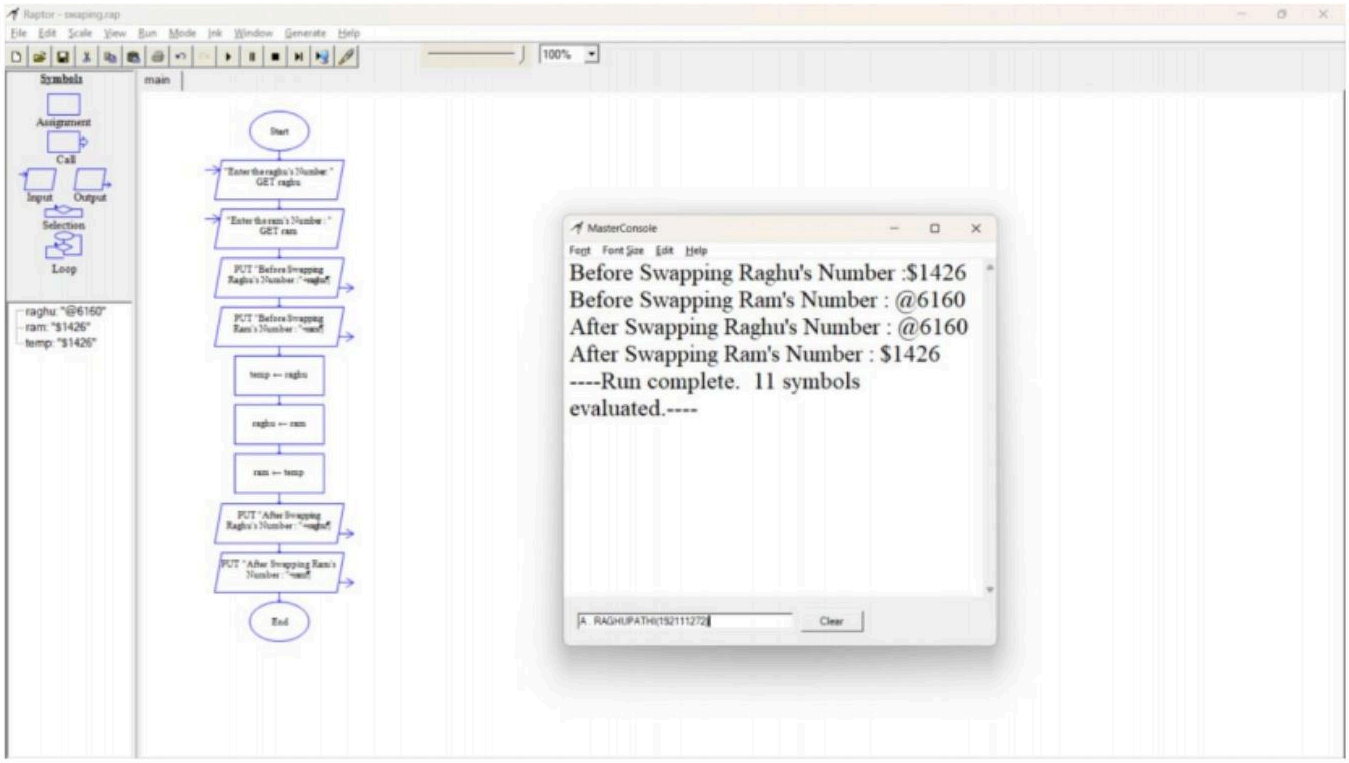
**Aim:** To draw and validate the flowchart to calculate Fibonacci series.
**Software used:** Raptor.
**Diagram:**




**Result:** Flowchart to calculate Fibonacci series was completed and output verified.

**22Q. Using Raptor - Draw and validate the flowchart to swap two characters.**

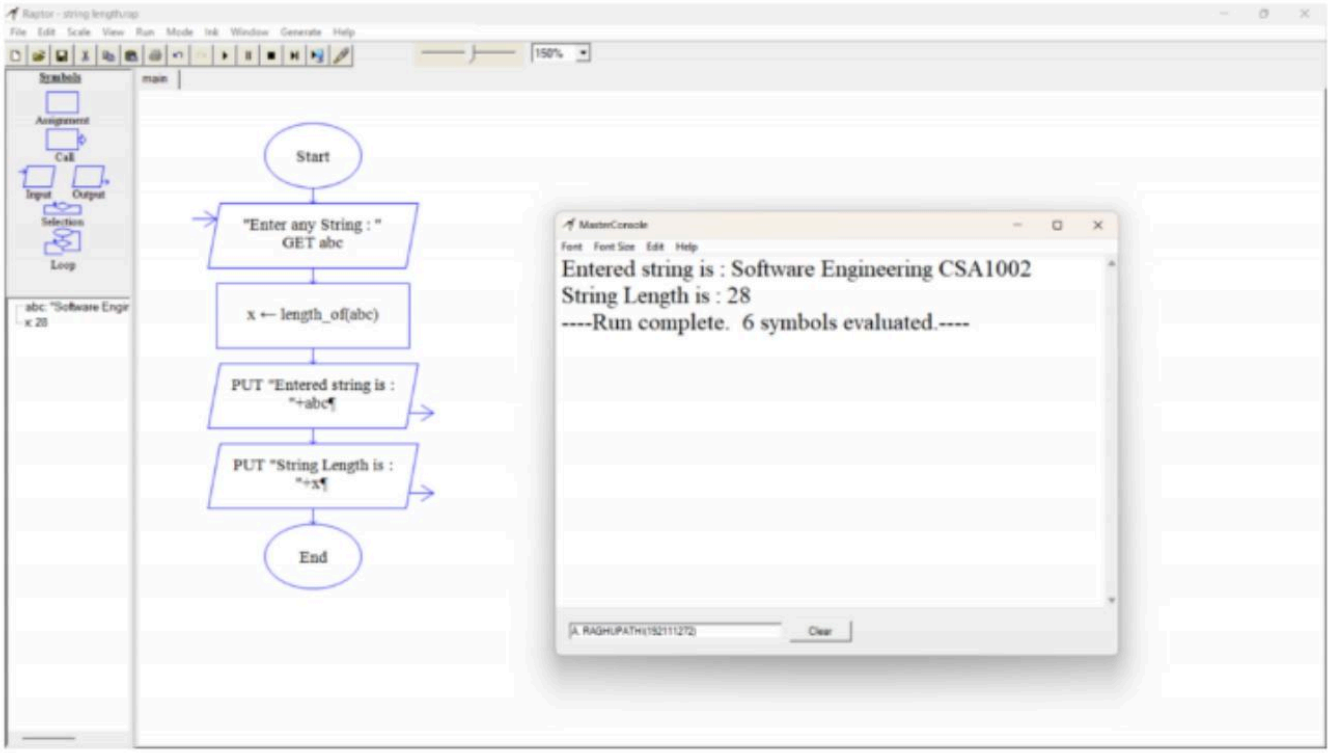
**Aim:** To draw and validate the flowchart to swap two characters.
**Software used:** Raptor.
**Diagram:**




**Result:** Flowchart to swap two characters was completed and output verified.

**23Q. Using Raptor - Draw the flowchart to display the length of the string.**

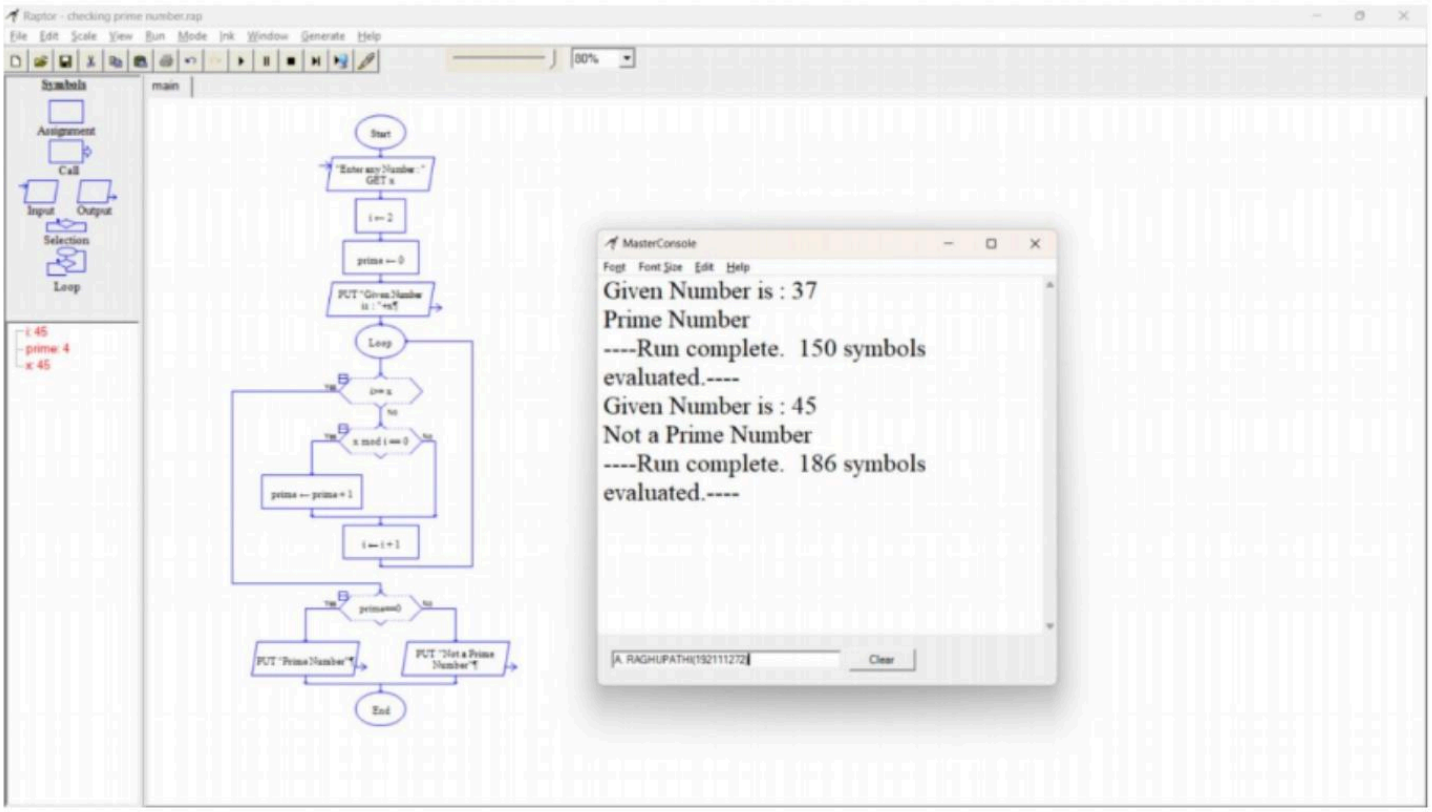
**Aim:** To draw the flowchart to display the length of the string.
**Software used:** Raptor.
**Diagram:**




**Result:** Flowchart to display the length of the string was completed and output verified.

**24Q. Using Raptor - Draw the flowchart to find whether the given number is prime or not.**

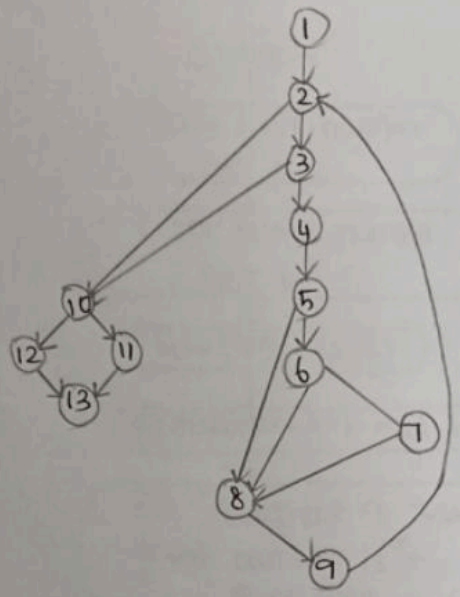
**Aim:** To draw the flowchart to find whether the given number is prime or not.
**Software used:** Raptor.
**Diagram:**




**Result:** Flowchart to find whether the given number is prime or not was completed and output verified.

**25Q. Find Cyclomatic Complexity for a graph having number of edges as 17, number of nodes as 13 and number of predicate nodes in the flow graph as 5.**

25. Find cyclomatic complexity for a graph having number of edges as 12, number of nodes as 13 and number of predicated node to the following graph as 5.




V(G) = 6 regions

V(G) = 17 regions − 13 nodes + 2 = 6 } V(G) = E − M + 2

V(G) = 5 predicate nodes + 1 = 6 } V(G) = P + 1

We expected to specify six paths

path 1 : 1-2-10-11-13

Path 2 : 1-2-10-12-13

Path 3 : 1-2-3-10-11-13

path 4 : 1-2-3-4-5-8-9-2-.....

path 5 : 1-2-3-4-5-6-8-9-2....

path 6 : 1-2-3-4-5-6-7-8-9-2-....

the ellipsis(....) following path 4, 5 and 6 indicates that any path through the remainder of the control structure is acceptable.

Saved successfully