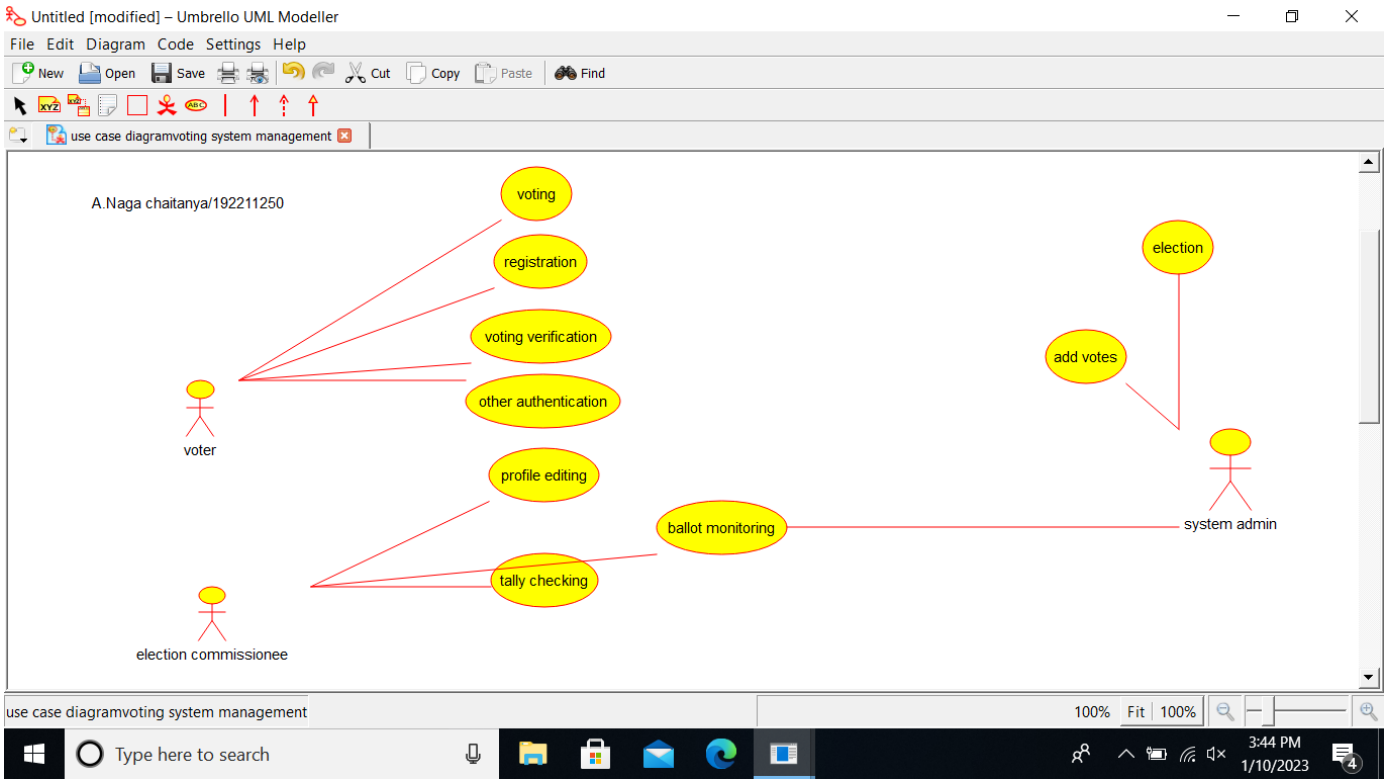
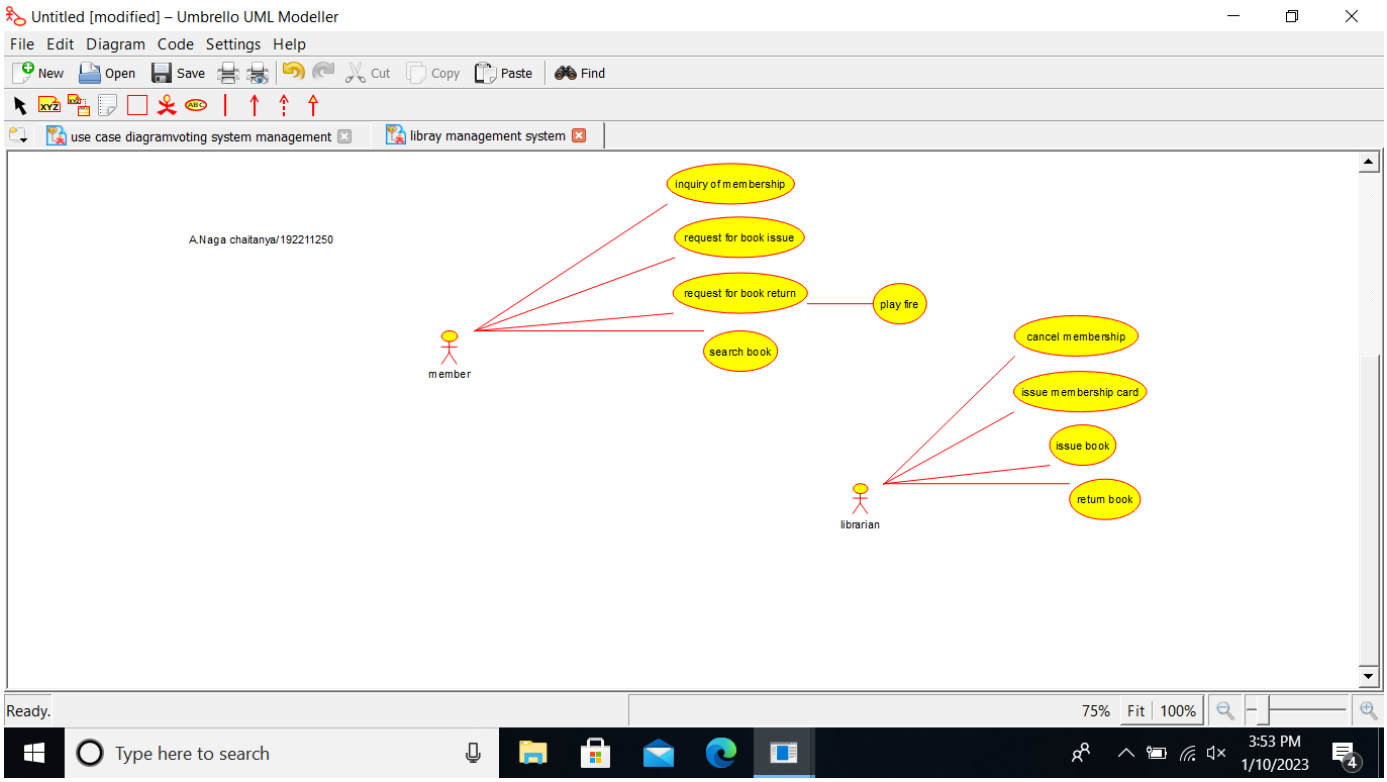
Subject code:CSA1002
Subject : software engineering with data analytics
name:A.Naga chaitanya
Register no:192211250

1. Draw a USE-CASE diagram for Online Voting System using CASE tools
Aim:to draw use case diagram for online voting system
Software used:umbrello



Result:Use case diagram for online voting system is successfully completed

2. Draw a USE-CASE diagram for Library Management System using CASE tools
Aim: To draw use case diagram for library management system
Software used: Umbrello

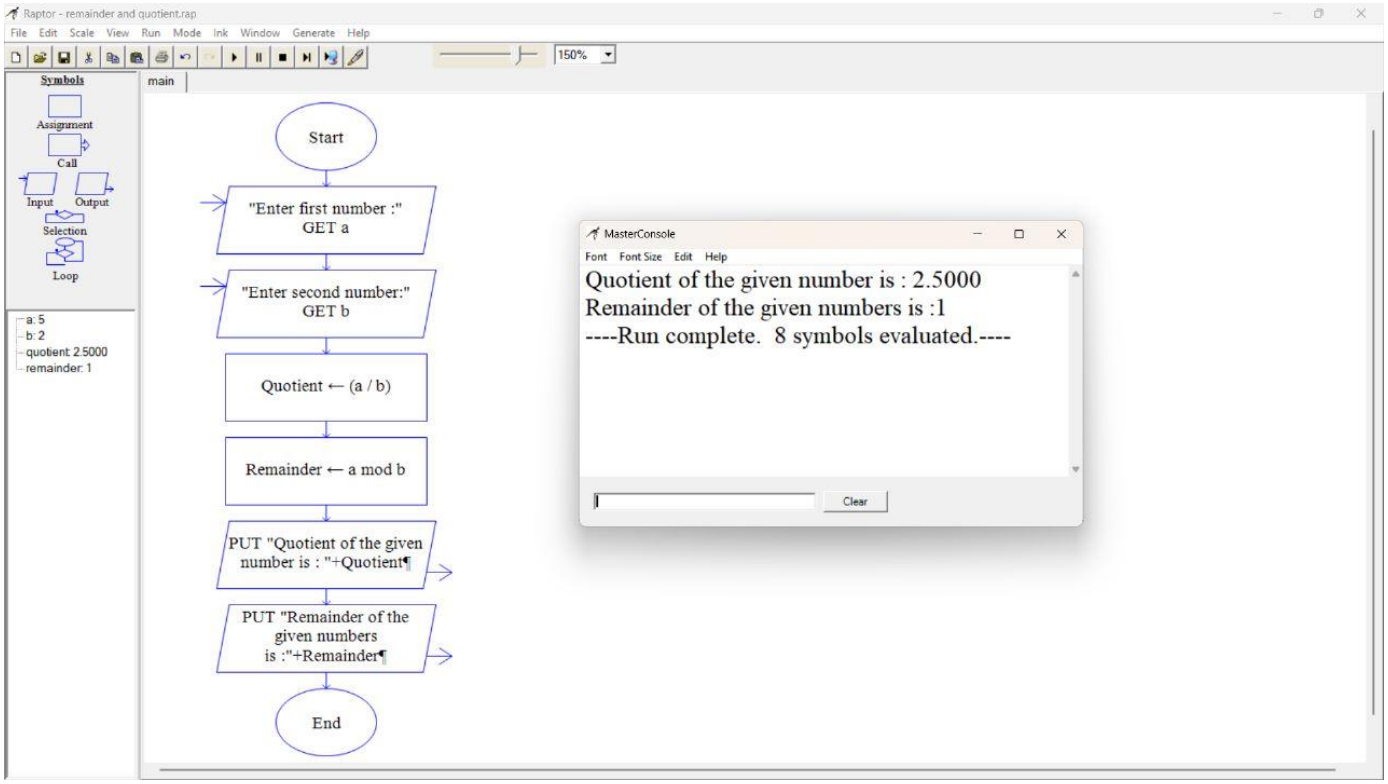


Result: Use case diagram for library management system is successfully completed

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

Aim: To draw the flow chart to compute the quotient and reaminder

Software: Raptor

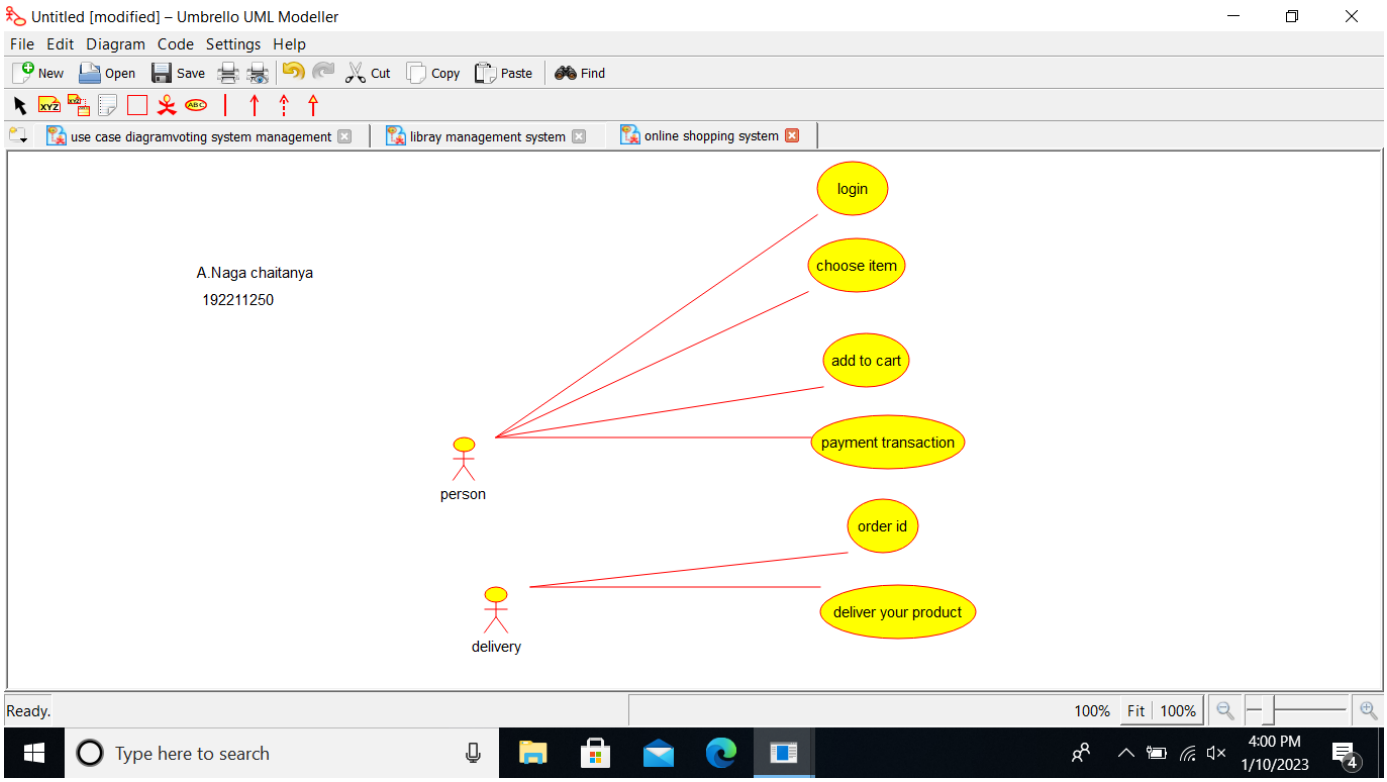


Result:

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

Aim: To draw a use case diagram for online shopping system

Software: Umbrello

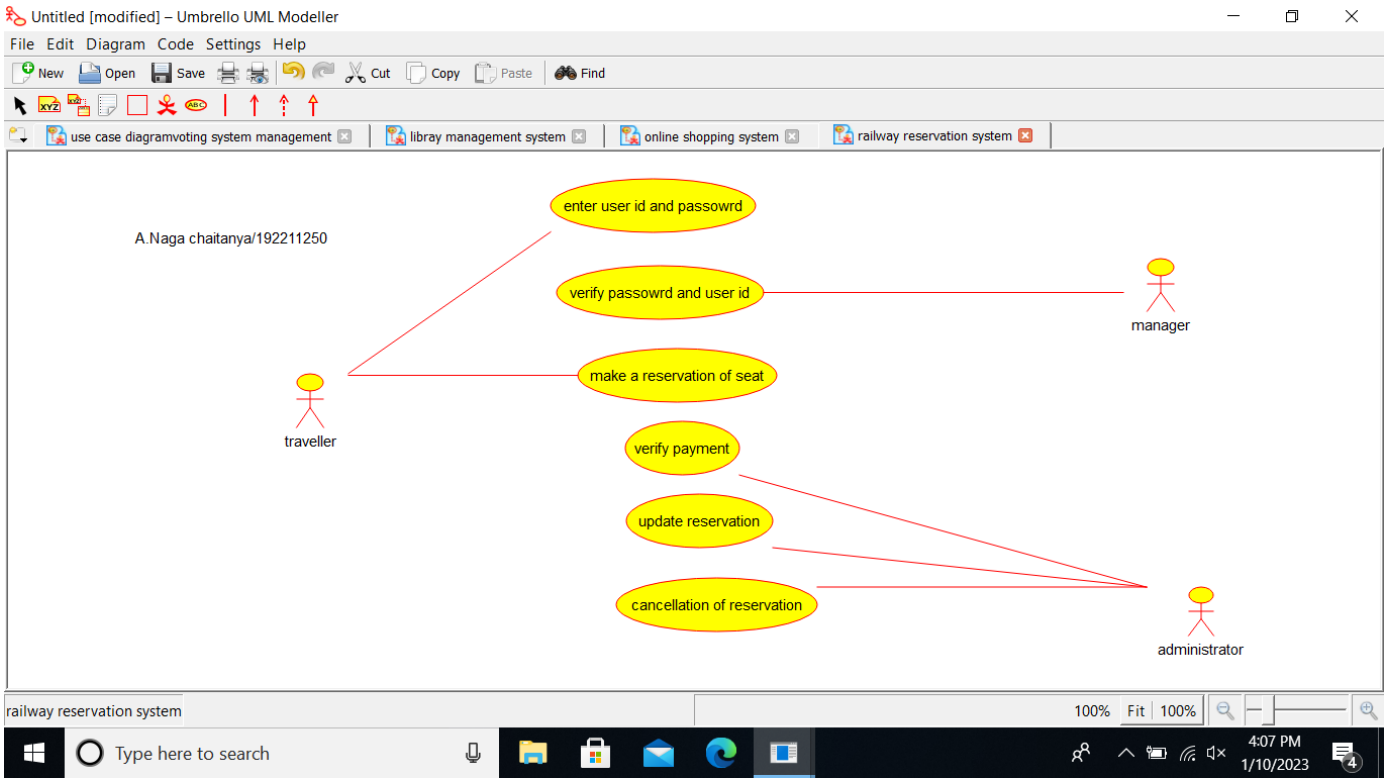


Result: To draw use case diagram for online shopping system is successfully completed

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

Aim: To draw a case diagram for online railway reservation system

Software used:Umbrello

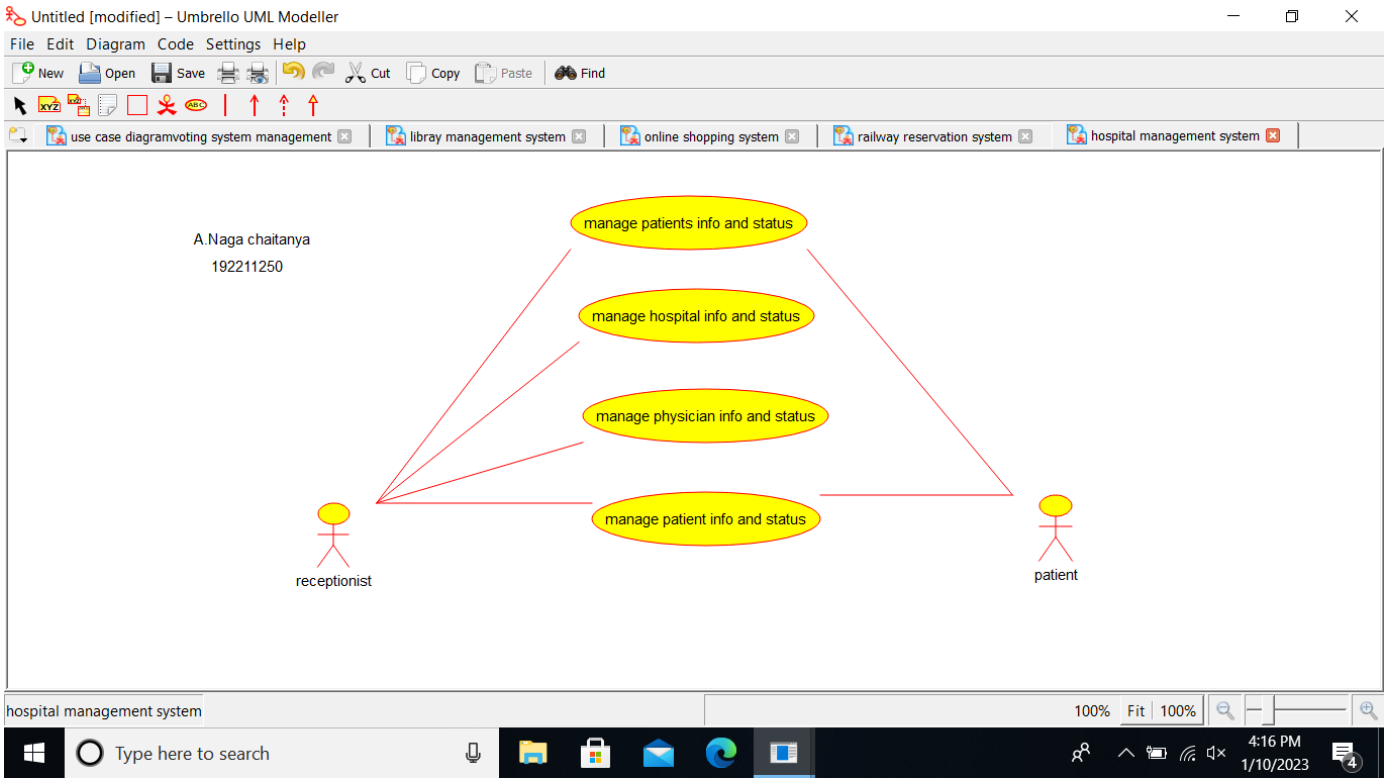


Result: Use case diagram for train ticket reservation system successfully completed

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

Aim: To draw a use case diagram for hospital management system

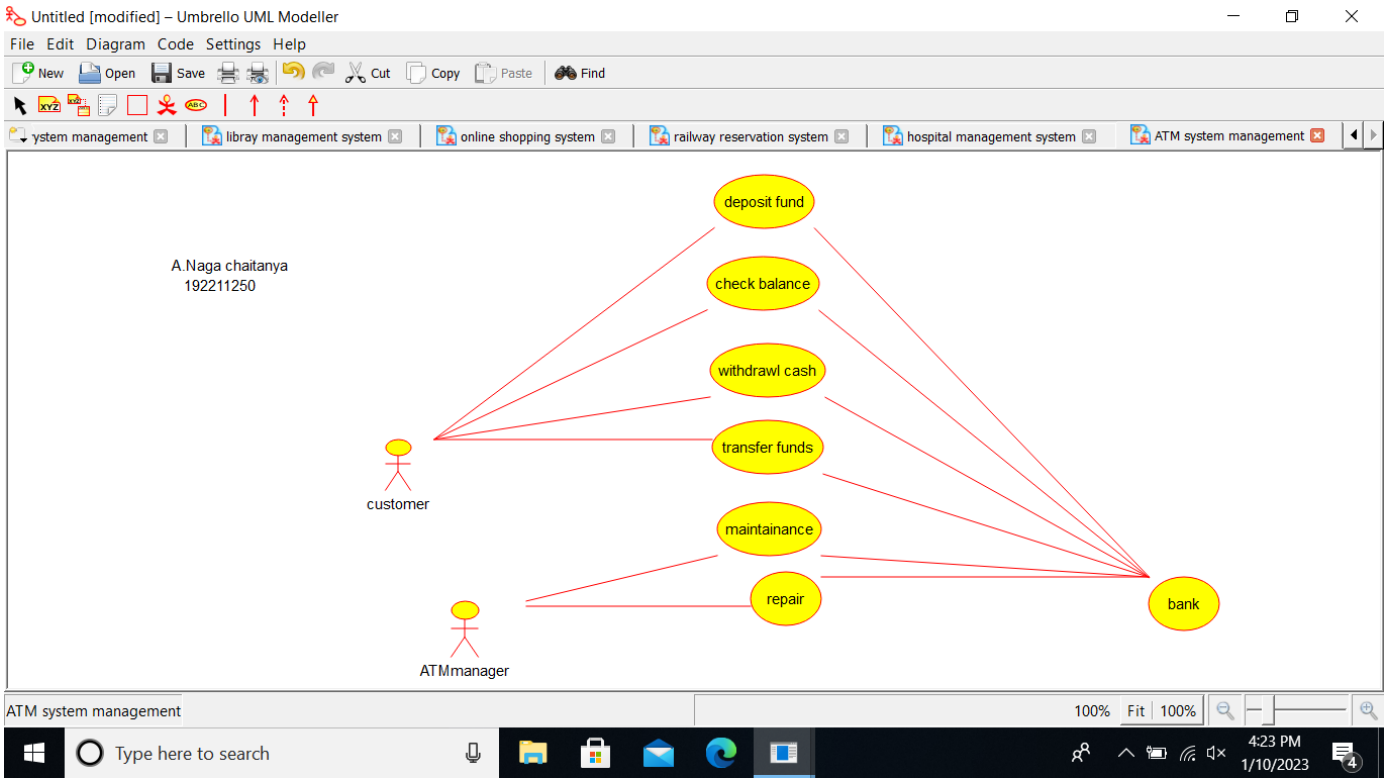
Software: Umbrello



Result: Use case diagram for hospital management system successfully completed

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

Aim: To draw a case diagram for ATM system

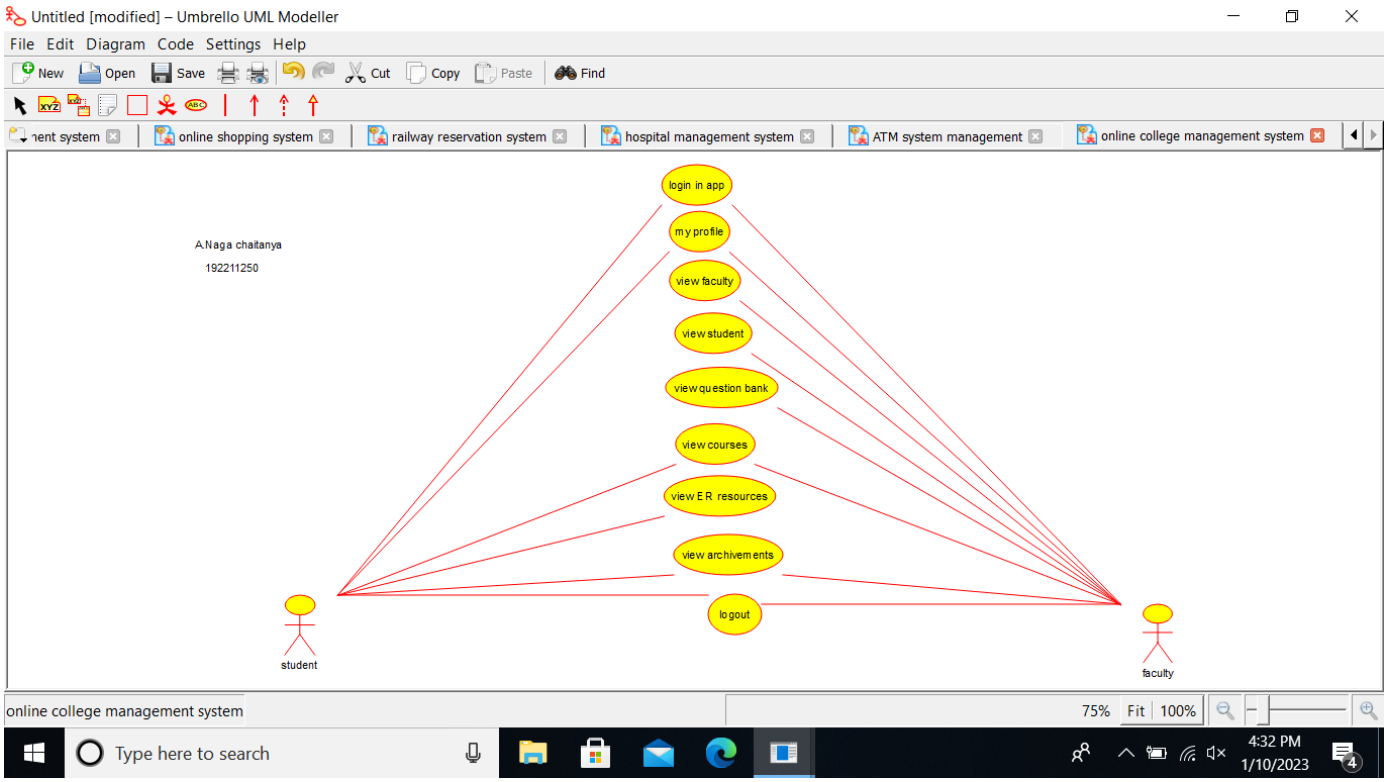


Result: Use case diagram for ATM system is successfully completed

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

Aim: To draw a case diagram for online college management system

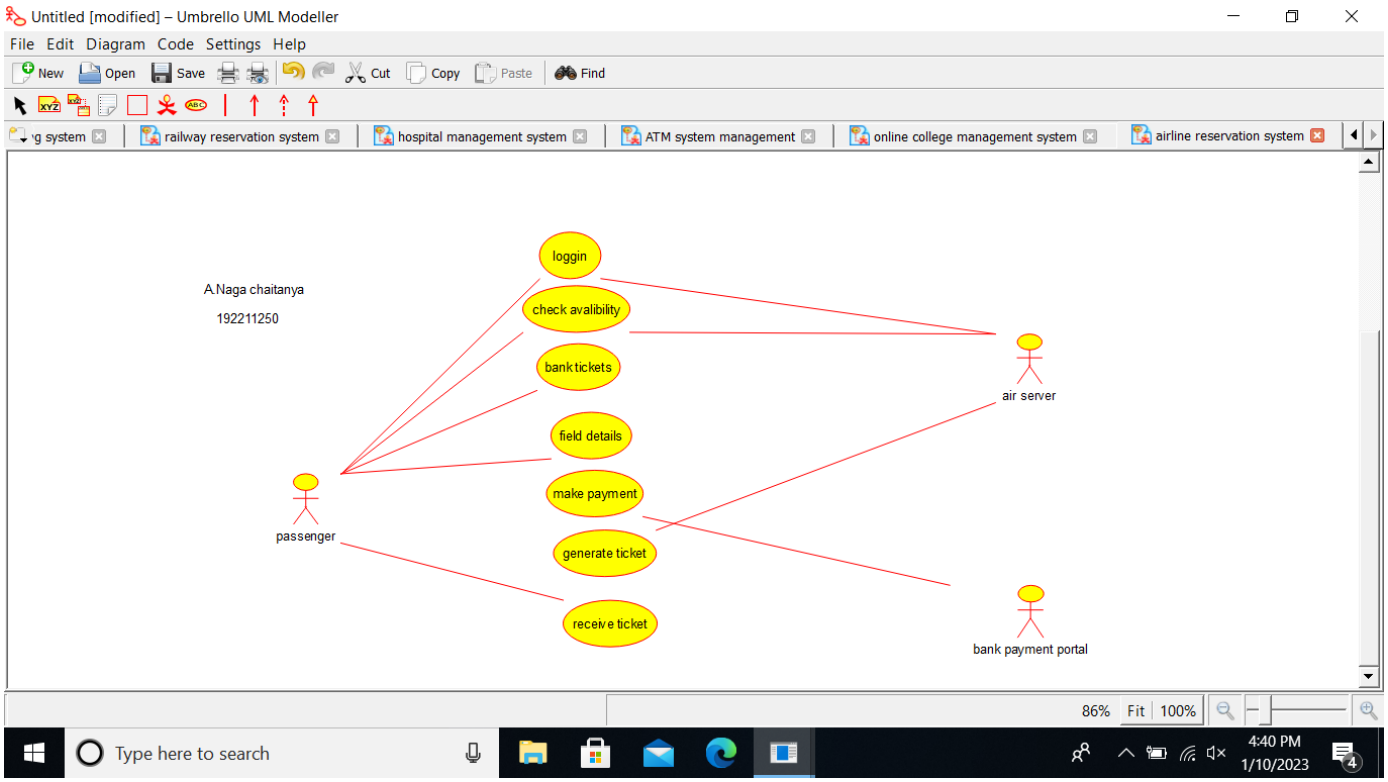
Software:umbrello



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

Aim: To draw a case diagram for airline reservation sy

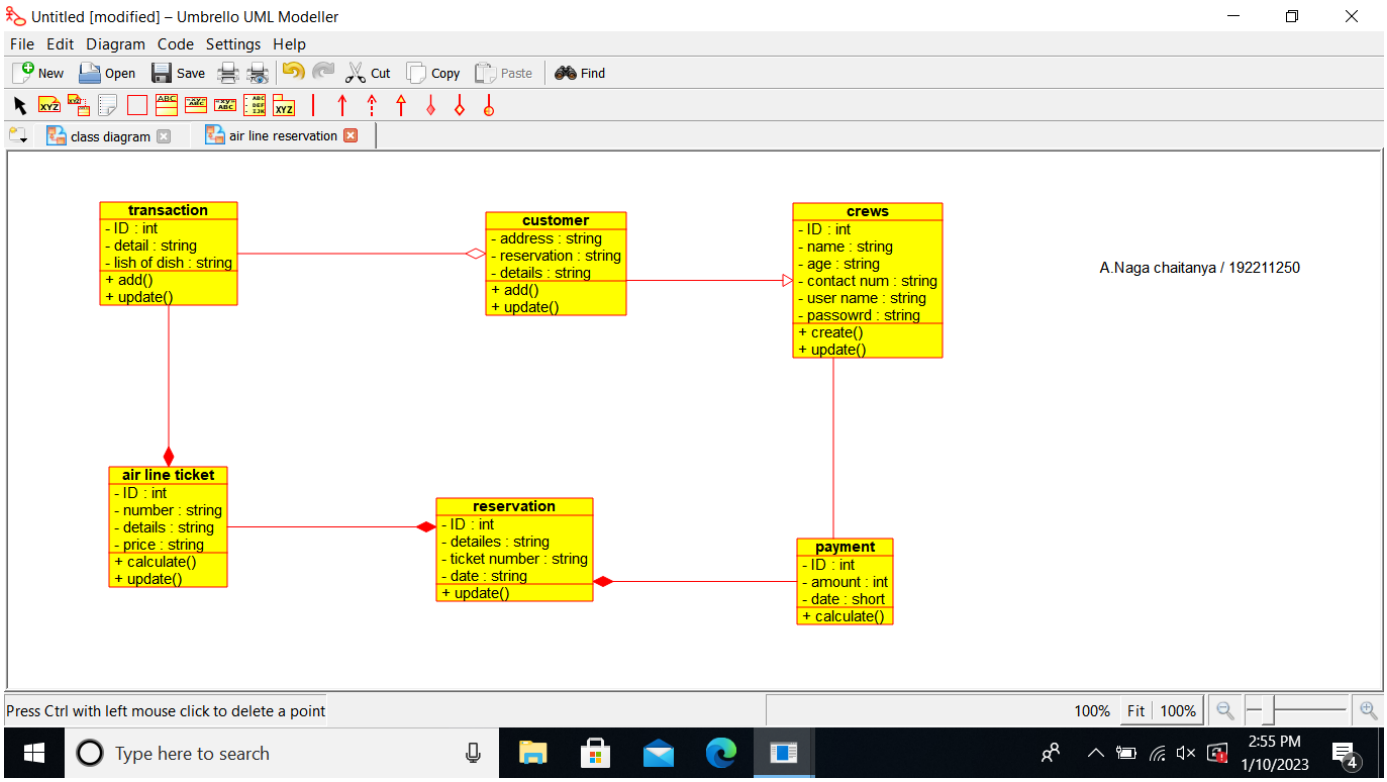
Software:umbrello



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

Aim: To draw a class diagram for online air reservation system

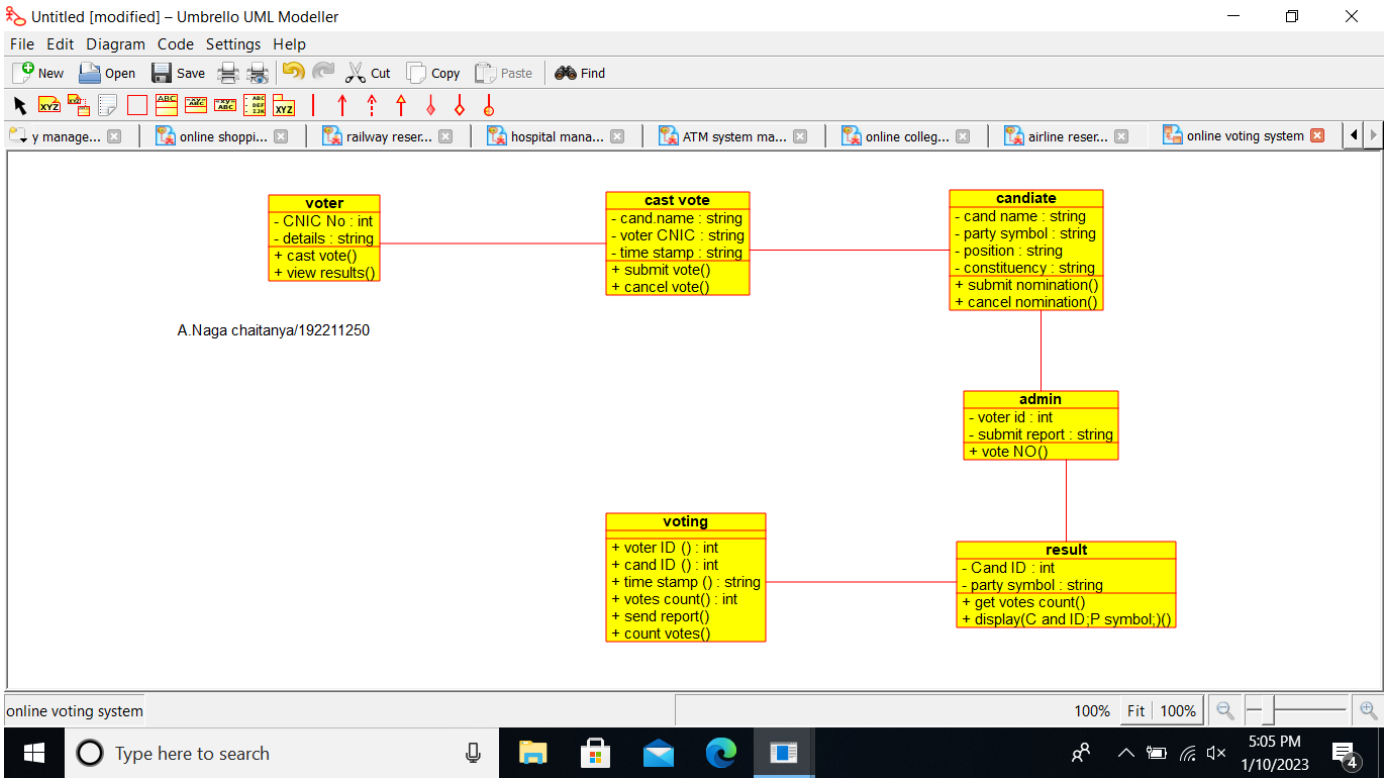
Software: Umbrello



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

Aim: To draw a case diagram for online voting system

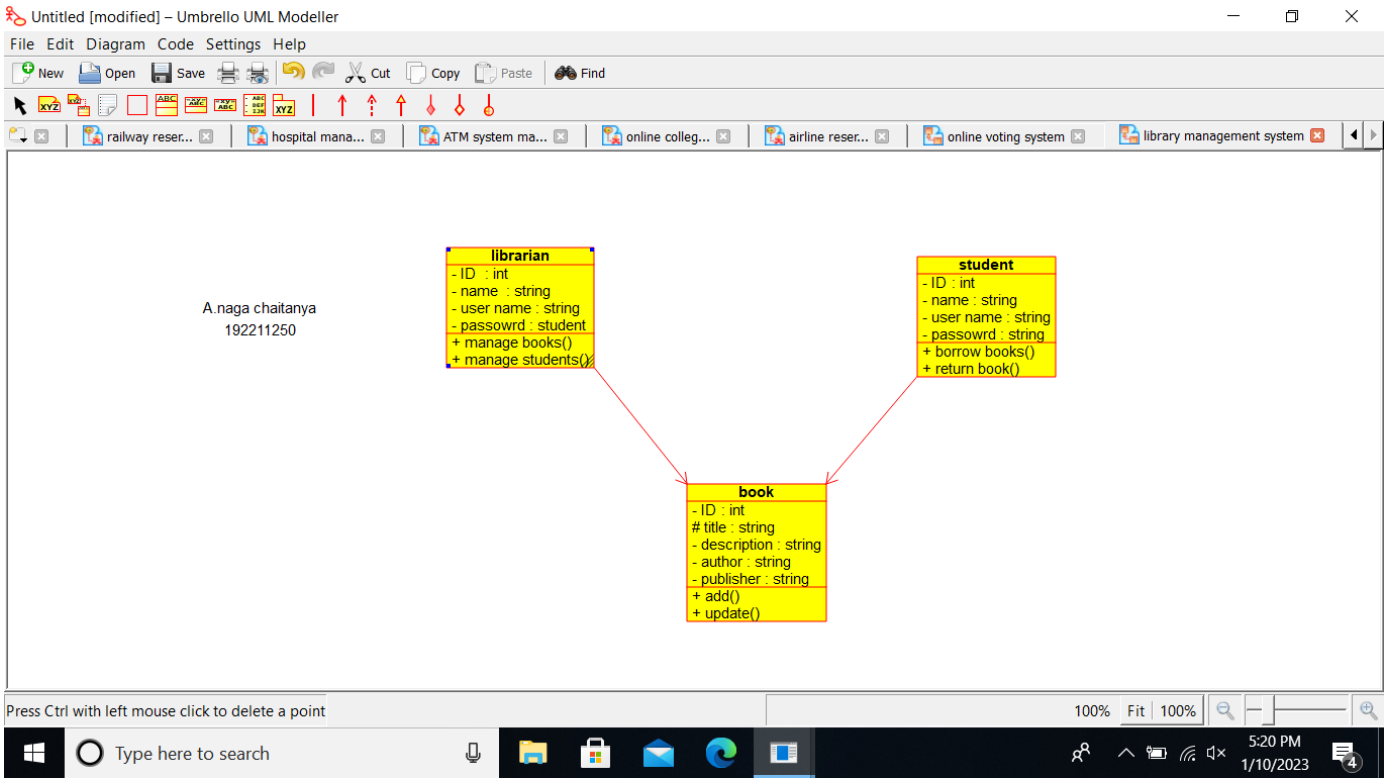
Software: Umbrello



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

Aim: To draw a class diagram for a library management system

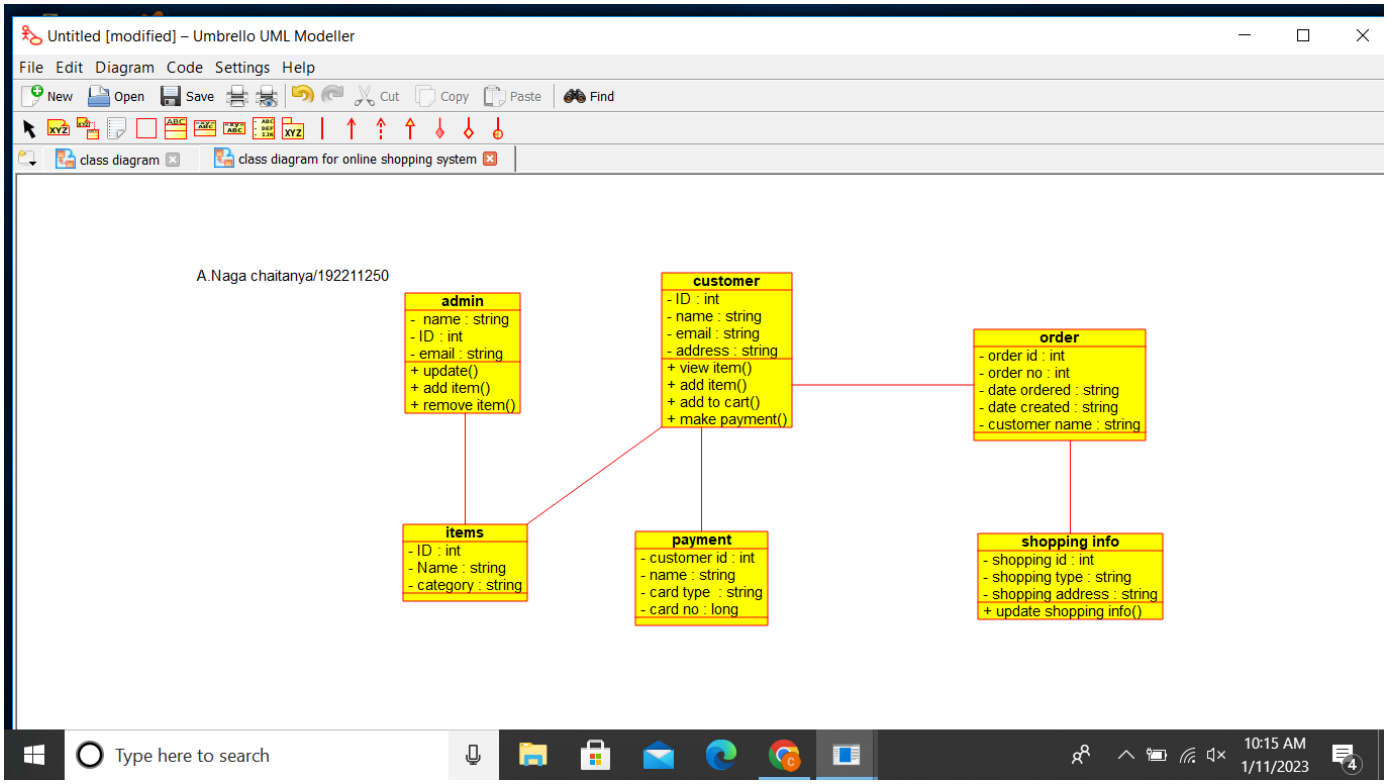
Software: Umbrello



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

Aim: To draw a case diagram for online shopping system

Software: Umbrello

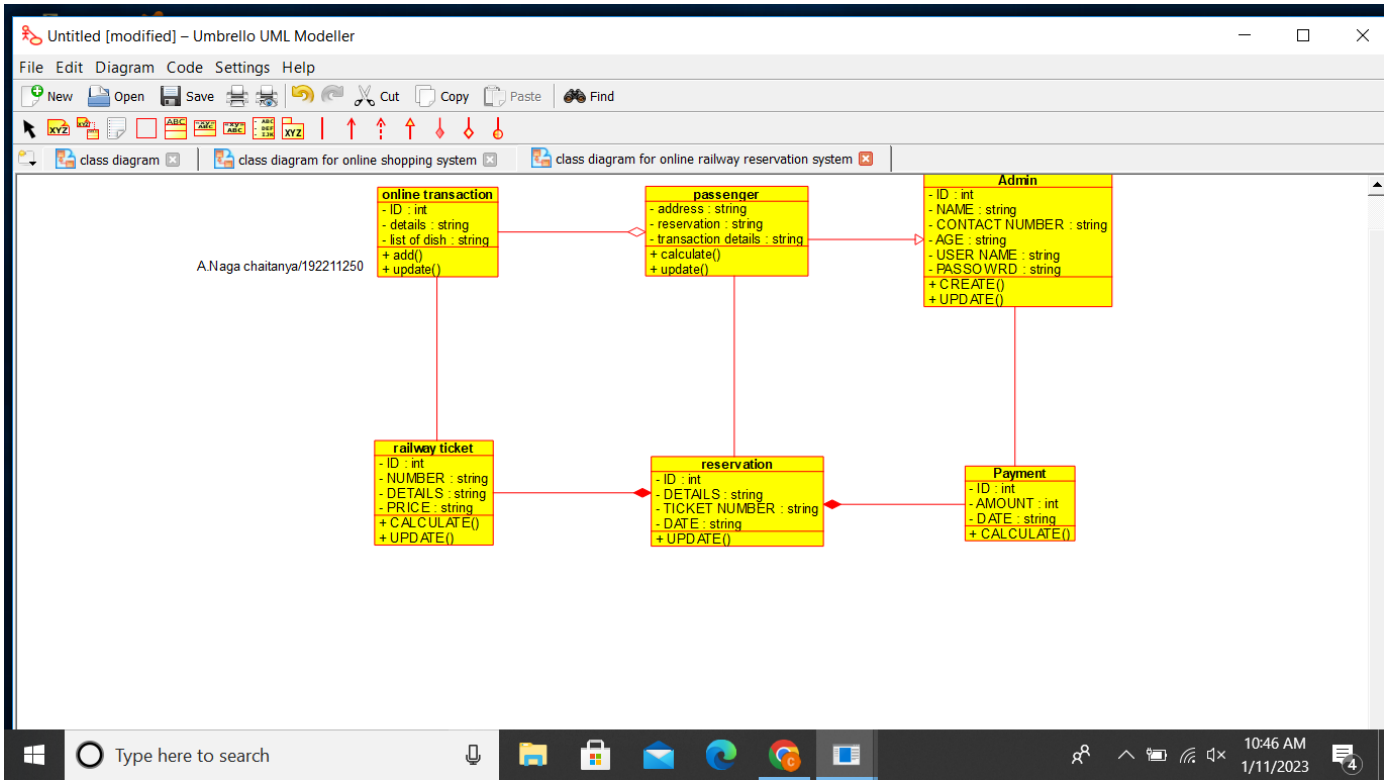


Result: Use class diagram for online shopping system

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

Aim: To draw class diagram for online railway reservation system

Software: Umbrello

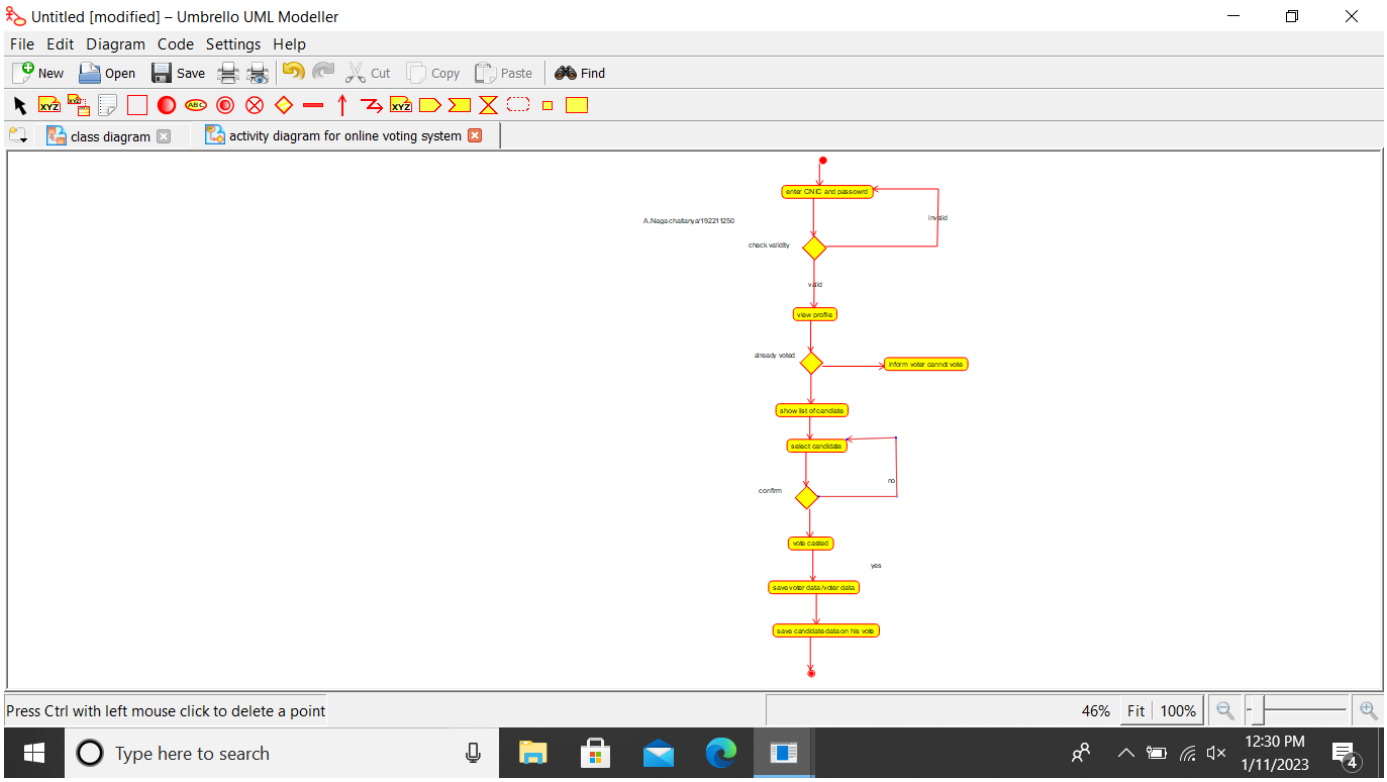


Result: Class diagram for online railway reservation system was successfully completed

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

Aim: To draw class diagram for online voting system

Software: Umbrello

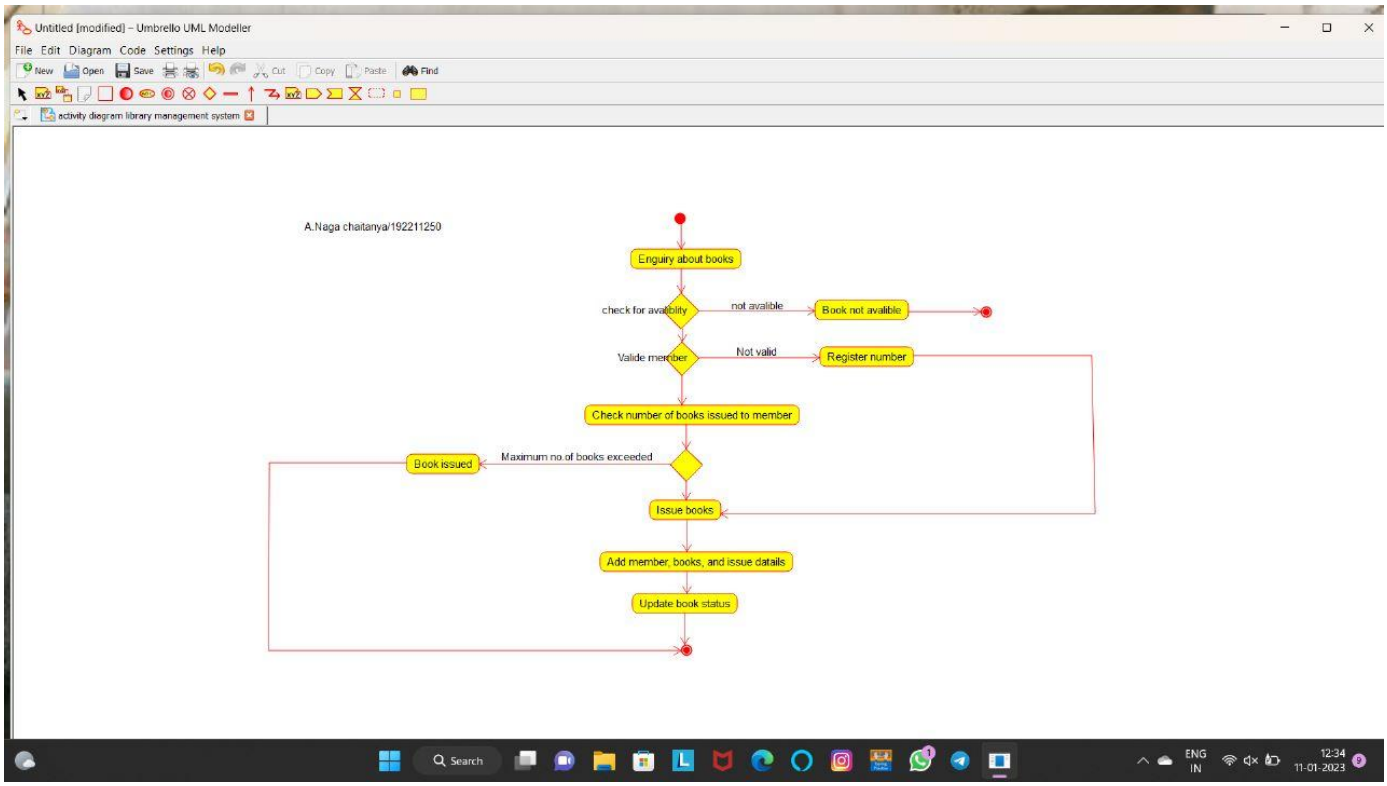


Result: Use class diagram for online voting system is successfullycompleted

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

Aim: To draw class diagram for library management system

Software: Umbrello

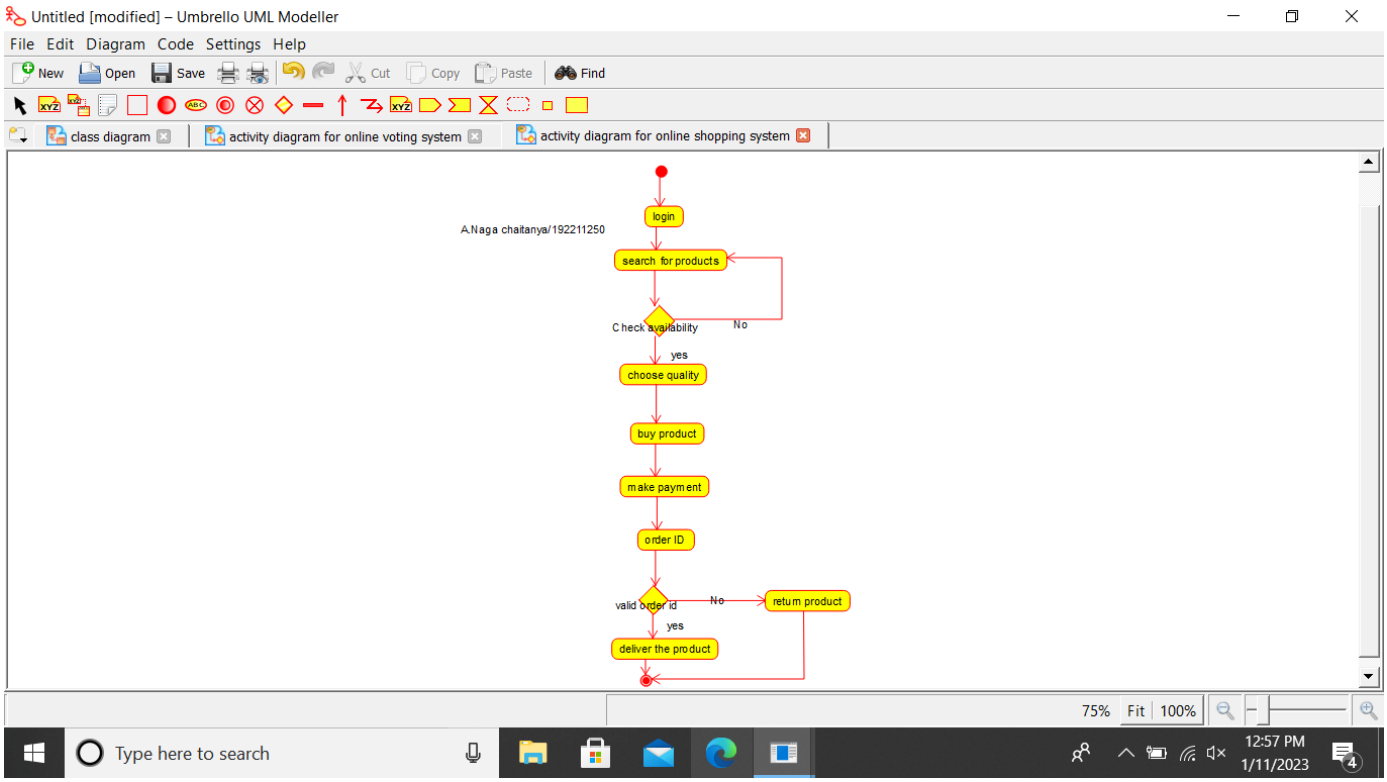


Result: Use class diagram for online voting system is successfully completed

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

Aim: To draw class diagram for online shopping system

Software: Umbrello

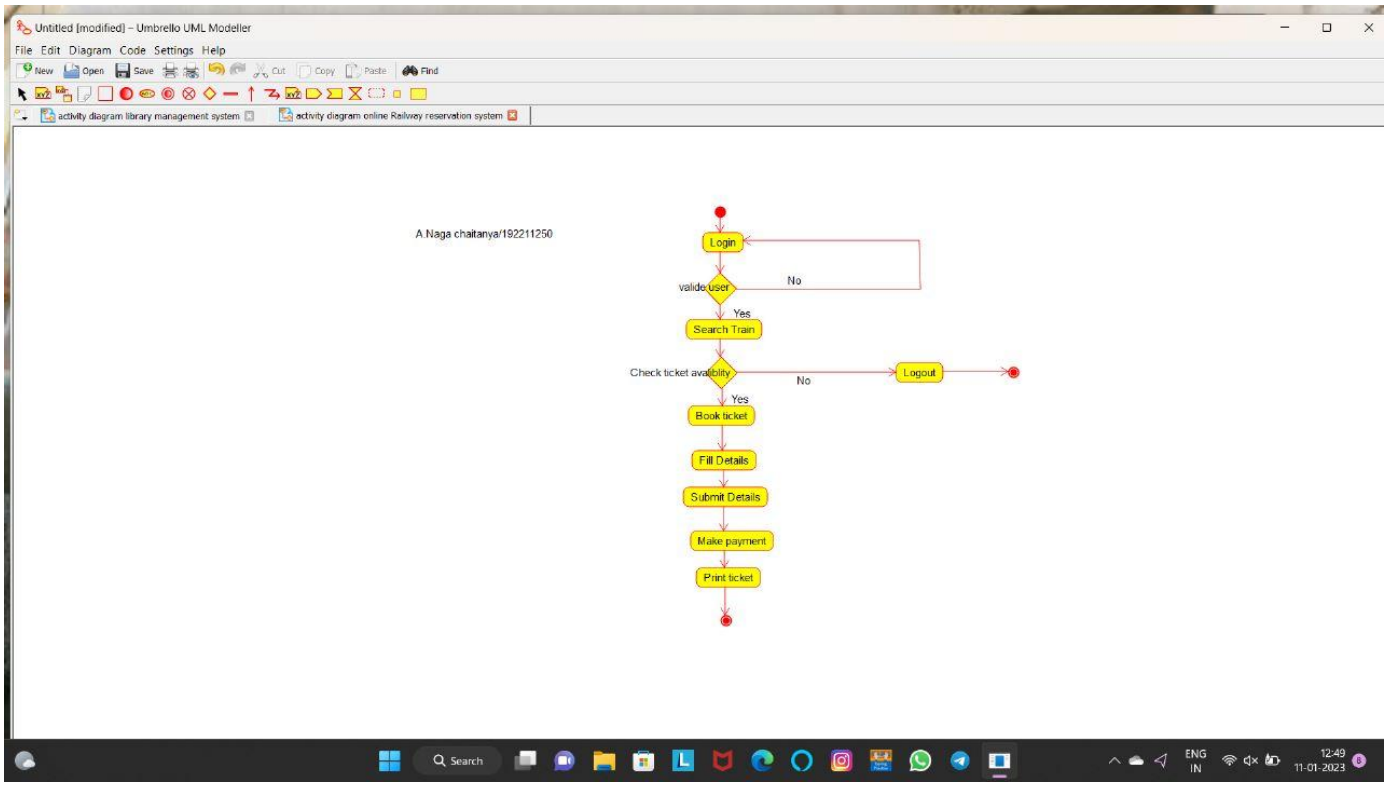


Result: Use class diagram for online shopping system is successfully completed

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

Aim: To draw a class diagram for online railway reservation system

Software: Umbrello

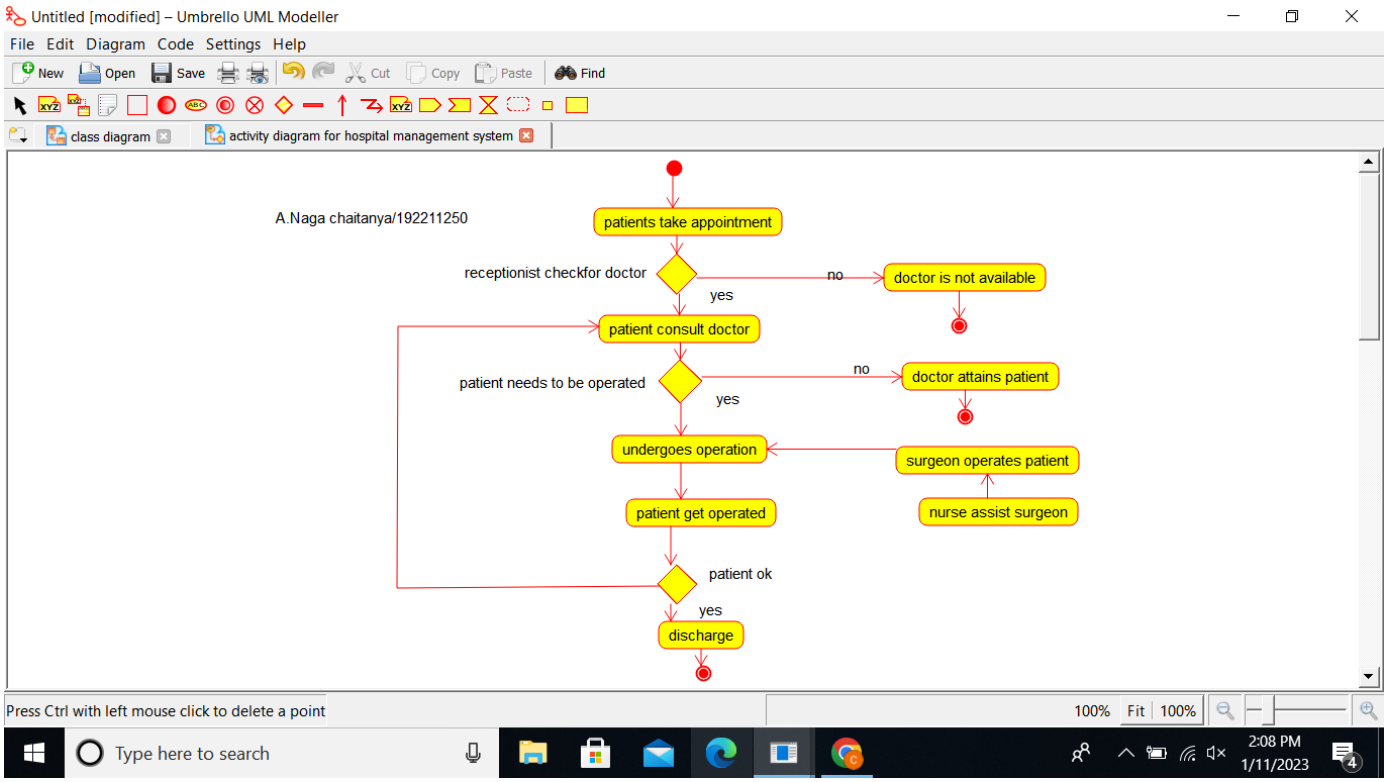


Result: Use class diagram for online railway reservation system is successfully completed

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

Aim: To draw a class diagram for hospital management system

Software: Umbrello

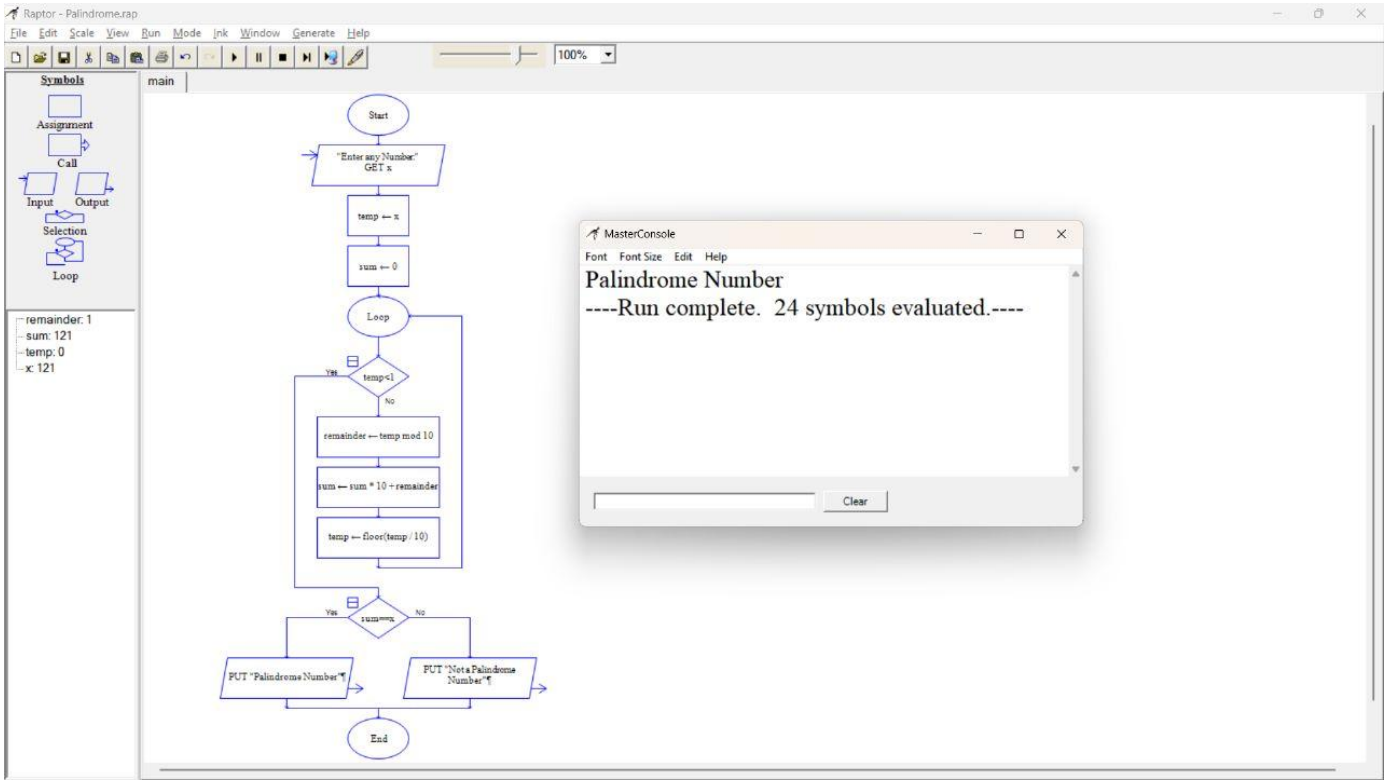


Result: Use class diagram for hospital management system is successfully completed

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

Aim:flow chart to check whether the given number is a palindrome or not

Software: Raptor

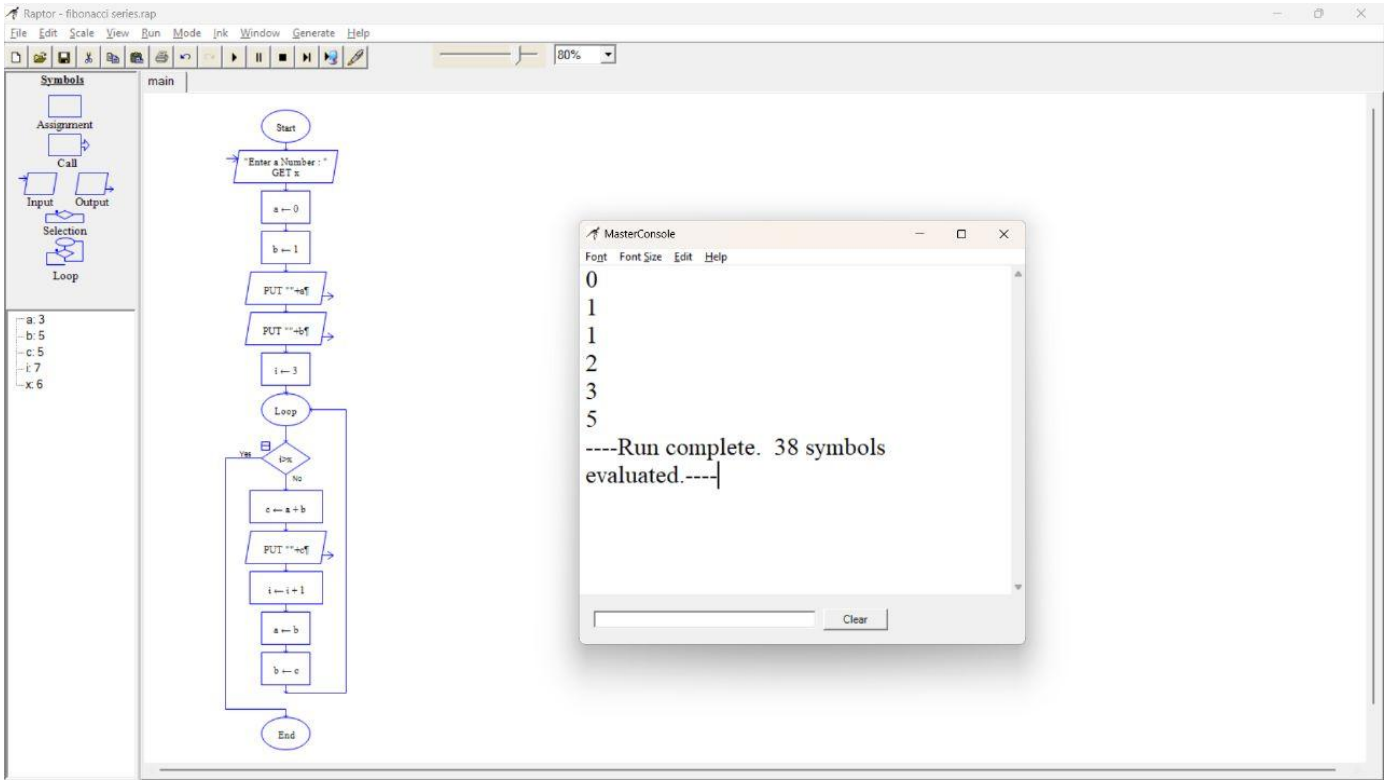


Result:

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

Aim:validate the flow chart and calculate the fibonacci series

Software: Raptor

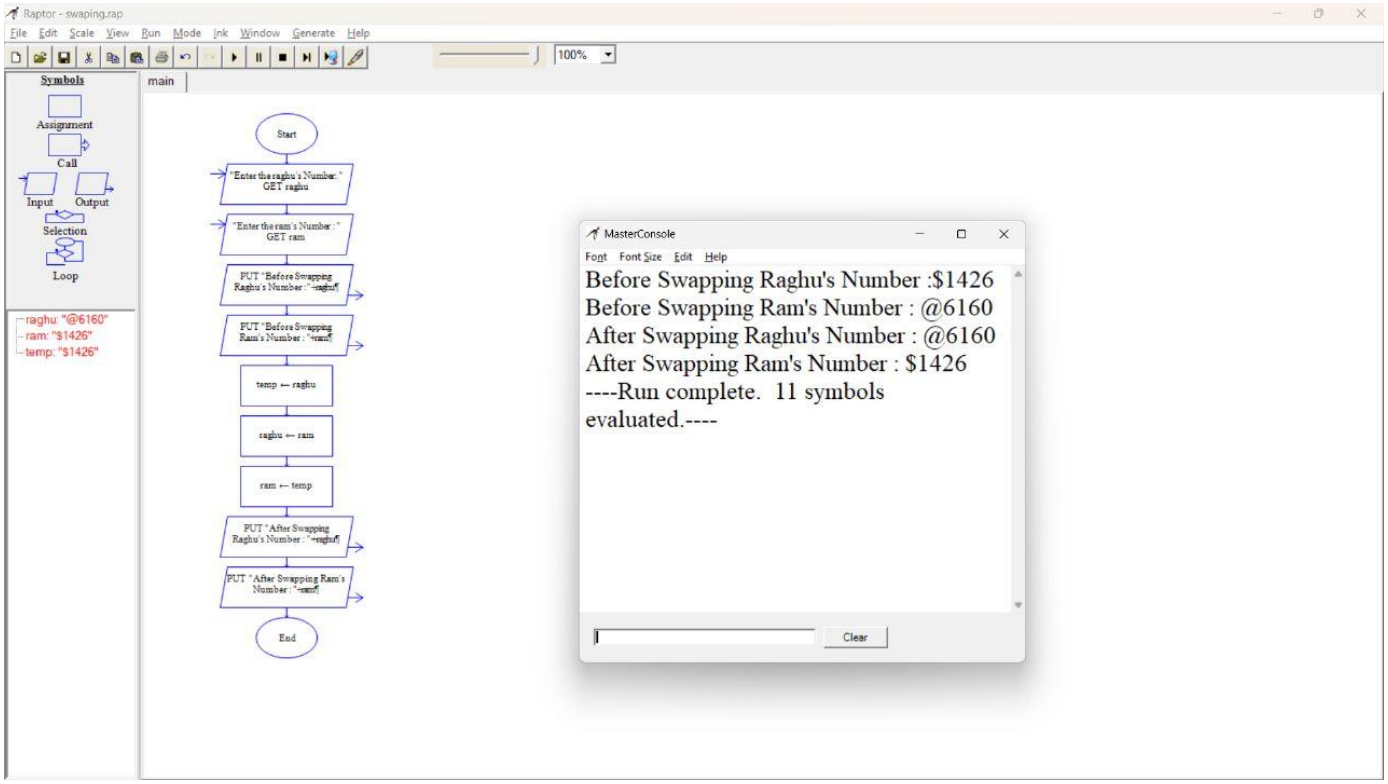


Result: Flow chart to calculate fibonacci series was completed and output verified

22. Using Raptor – Draw and validate the flowchart to swap two characters.

Aim: To draw raptor draw and validate the flow chart to swap two characters

Software: Raptor

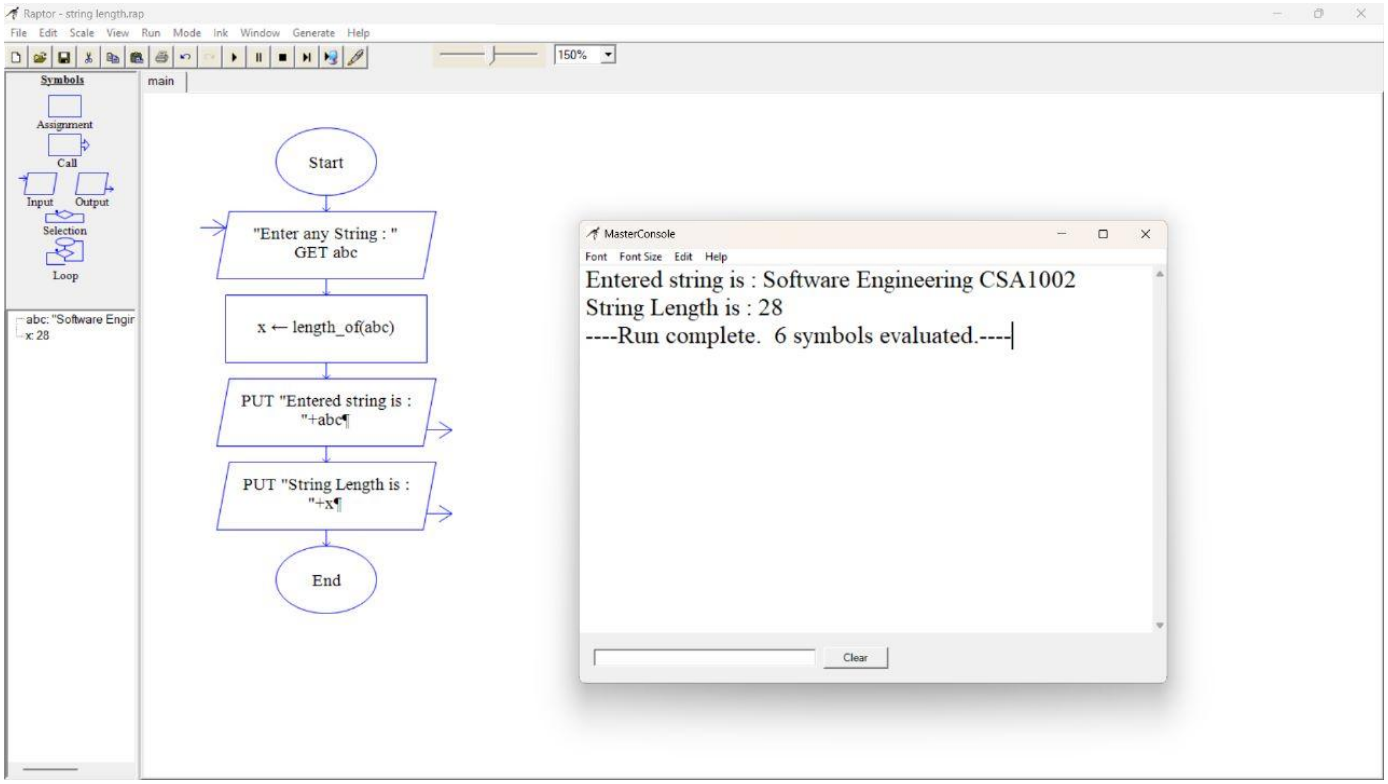


Result: Flow chart to swap two characters was successfully completed and output verified

23. Using Raptor – Draw the flowchart to display the length of the string

Aim: To draw raptor flow chart to display the length of the string

Software: Raptor

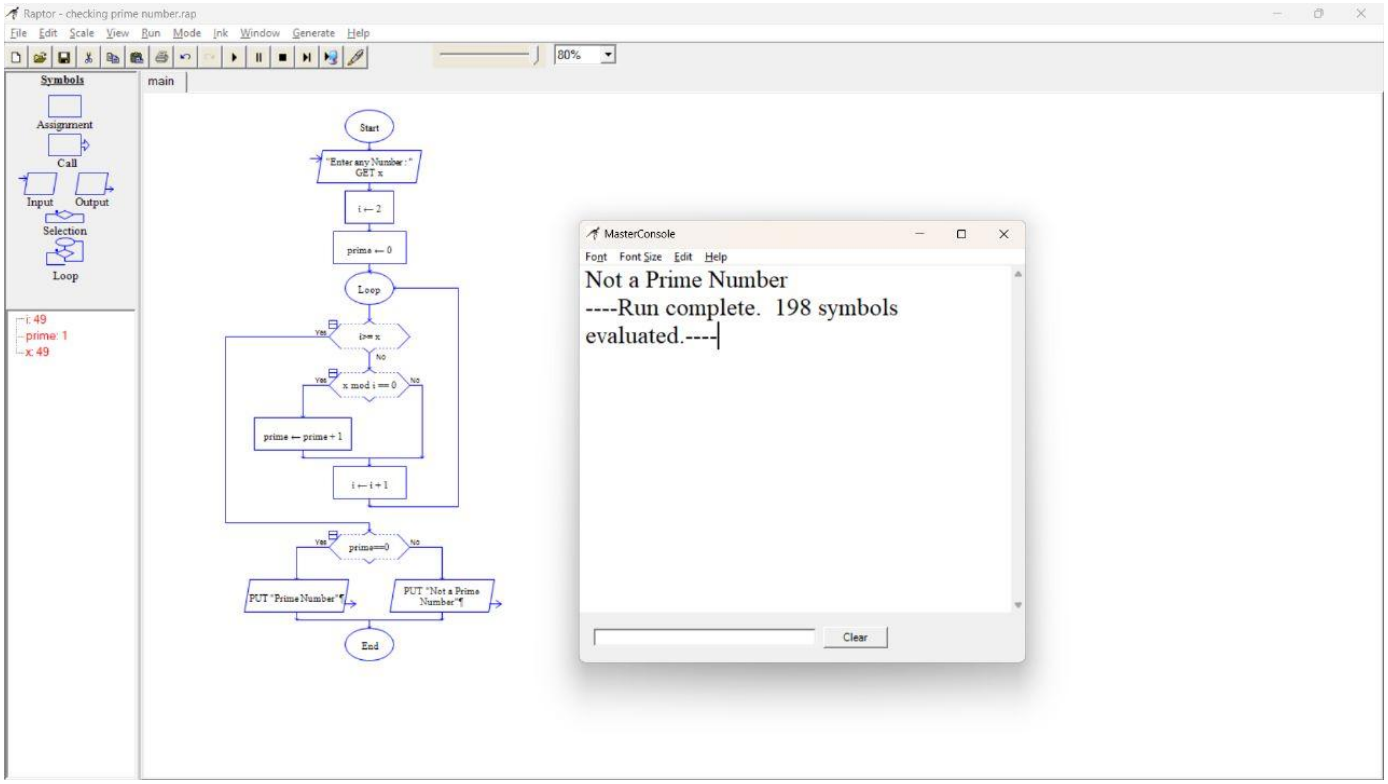


Result: Flow chart to display the length of string has successfully completed and output verified

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

Aim: To draw a raptor diagram for the given number is prime or not

Software: Raptor

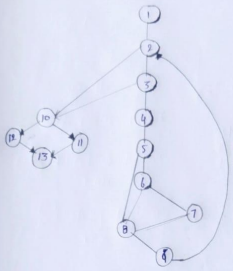


Result: The given number is prime or not was successfully completed and output verified

25. 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

ing

2) find cyclomatic complexity for a graph having number of edges as 13, number of nodes 12 and number of predicate nodes in the flow graph as 5



V(G1) = 6 regions

V(G1) = 17 edges - 13 nodes + 2 = 6

V(G1) = 5 predict nodes

V(G1) = E - N + 2

V(G1) = P + 1

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