

JAVA PROJECT

PROJECT NAME: ANY TIME MOVIE TICKET

(ATMT)

Guided by Ms. AVANI PATEL MAM

MEMBER NAME

ENROLLMENT NUMBER:- 216400307127
NAME:- SOLANKI TRUSHEN

ENROLLMENT NUMBER:- 216400307128
NAME:- PRAJAPATI RUDRA

ENROLLMENT NUMBER:- 216400307129
NAME:- PITRODA RUDRA

ENROLLMENT NUMBER:- 216400307133
NAME:- PATEL VEDANT



PROJECT INTRODUCTION

- This Project Is About Movie Ticket Counter
- It Is Easily To Any User To Print Their Ticket In This Project First We Find The User Age If User Are Less Than 18 Year **They Not Able To Buy Online Ticket If User 18 + They Are Able To Buy Online Ticket.**
- In Second Scenario User Can Choose Their Choice Of Movie
- Third And Last Scenario How Many Ticket User Are Want To Print This Is First Phase Of The This Project



SECOND PHASE OF THIS PROJECT

- The Second Phase About Selections.
- In The Second Phase User Can Select Seats In Silver/Gold/Diamond.
- In Second Scenario Program Print All Details About Movies And Seat Price And Program Will Print Bill Of Movie Tickets.
- In Third Scenario User Can Choose Multiple Payment Methods For Paying Bill Of Tickets
- Four And Last Scenario Print All Movie Tickets.



PROJECT SCOPE

There Are Five Scope Of This System

- 1.Age Checker
- 2.Choose Movies
- 3.Seat Selection
- 4.Ticket Quantity
- 5.Print Tickets



PROJECT ALGORITHM

Step 1 – START.

Step 2- Declare Ten Integers I, Age, A, Count, Total, Capacity, P, Select, F, S

Step 3- Declare Two Character Variable Name, Movie

Step 4- Print A Message Welcome To The PVR Cinema.

Step 5- Print Ask To User What Is Your Name.

Step 6- Print Ask To User What Is His/Hers Age.

Step 7- If(age<=18) Then

 Output The List Of Movies You Can Watch .

 Print Selected Movie Name And Details.

 Print Select Your Seats In Silver/Gold/Diamond

 Print How Many Tickets You Want.

 Print Selected Seat Price And Total Amount

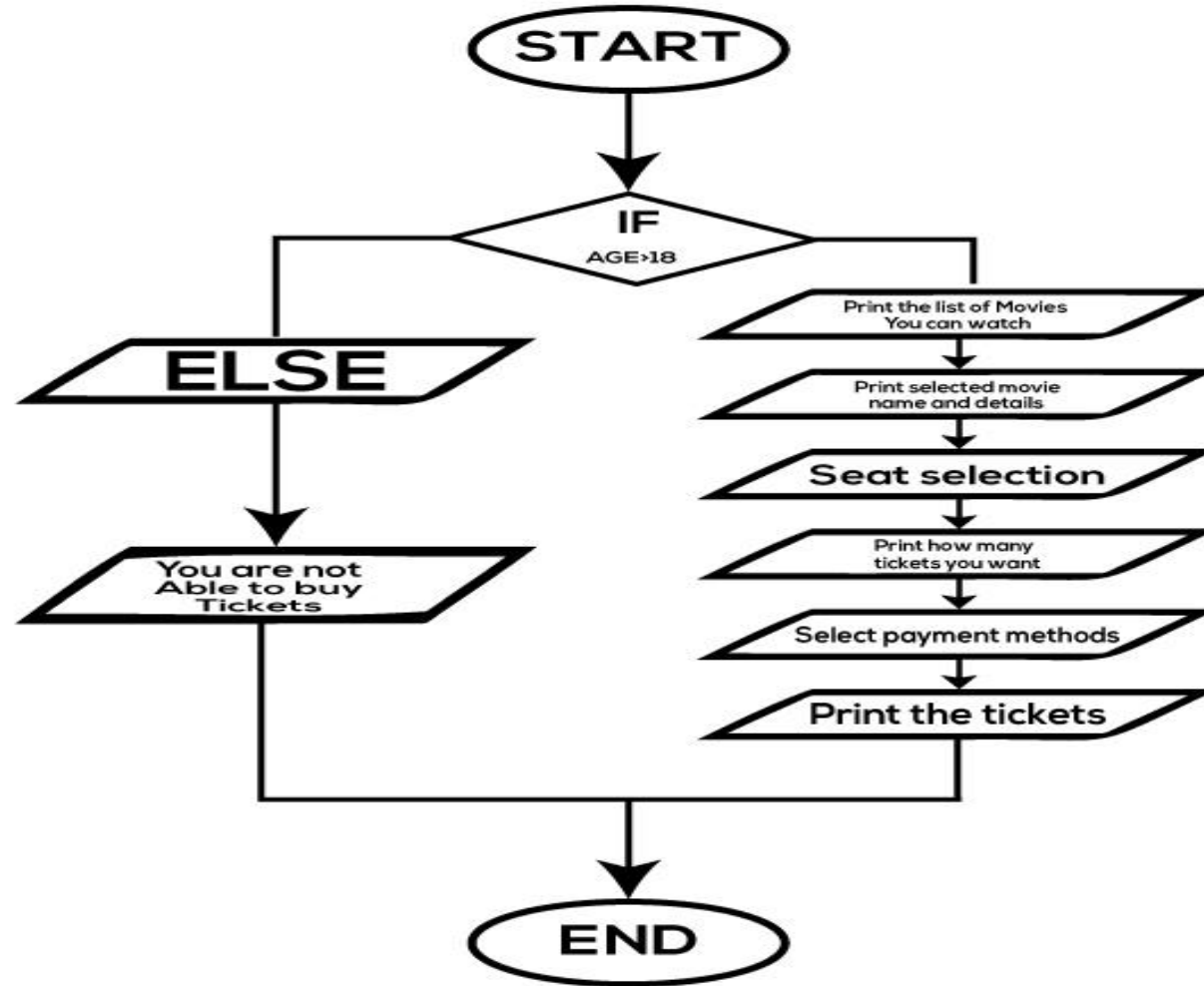
 Print All Tickets

Else

 Print **You Are Not Able To Buy Tickets**

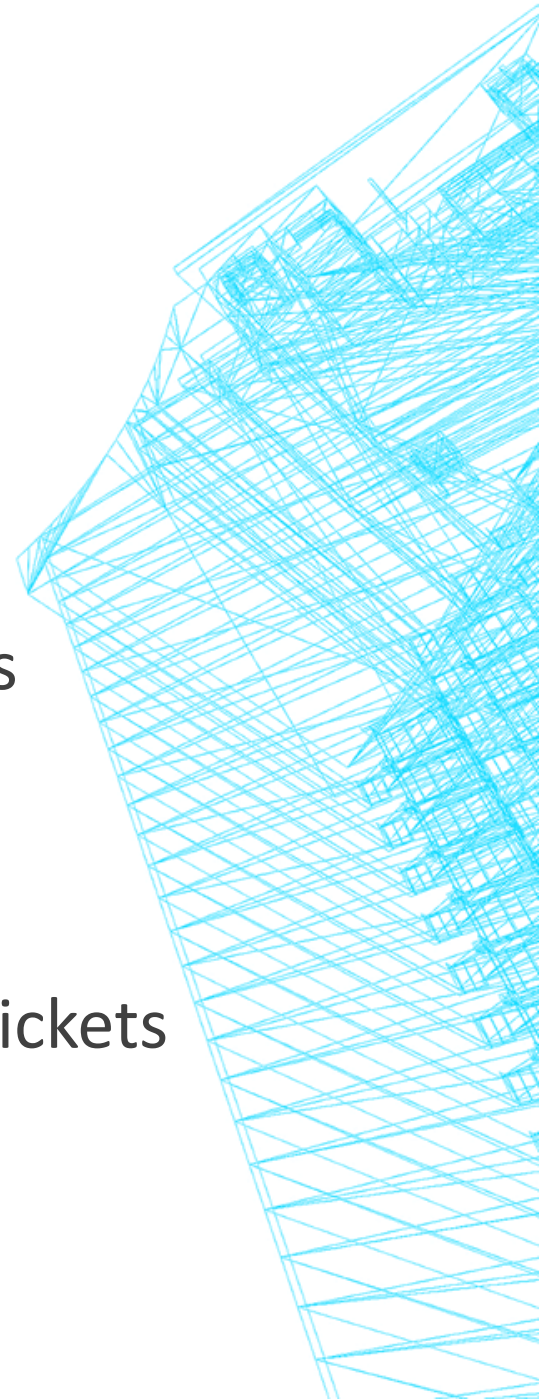
Step 8- Stop

FLOWCHART



LOGIC OF THIS PROJECT

1. This Message Was Print Welcome To The ATMT
2. User Enter His/Hers Name
3. User Enter His/Hers Age
4. If User Age Is Greater-than 18 Then Print Movies List
5. User Select Movie And Then Print Movie Name And Details
6. Then User Select Seats In Silver/Gold/Diamond
7. Then Ask For User To How Many Tickets His/Hers Wants
8. Print Total Bill And Print The Movie Tickets
9. If User Age Is A Less -Than 18 Then User Not Able To Buy Tickets
10. End Of This Programme



CODE SCREENSHOT

```
public class Main {
    Run | Debug
    public static void main(String[] args) {
        MovieTicketBookingSystem bookingSystem = new MovieTicketBookingSystem();

        // Add some movies with prices
        bookingSystem.addMovie(new Movie(title:"Interstellar", showtime:"10:00", seatsAvailable:100, price:1000));
        bookingSystem.addMovie(new Movie(title:"Inception", showtime:"1:00", seatsAvailable:80, price:500));
        bookingSystem.addMovie(new Movie(title:"Tenet", showtime:"4:00", seatsAvailable:120, price:700));

        // Set seat prices
        bookingSystem.setSeatPrice(seatType:"Silver", price:500);
        bookingSystem.setSeatPrice(seatType:"Gold", price:1000);
        bookingSystem.setSeatPrice(seatType:"Diamond", price:1500);

        try (Scanner scanner = new Scanner(System.in)) {
            while (true) {
                System.out.println("\n-----");
                System.out.println(" WELCOME TO ATMT CINEMA");
                System.out.println("-----");
                System.out.print("Enter your name: ");
                String username = scanner.nextLine().trim();
                System.out.print("Enter your age: ");
                int userage = scanner.nextInt();
                scanner.nextLine(); // Consume the newline character

                System.out.println("\nWelcome, " + username + "!");
                if (userage >= 18) {
                    System.out.println("\n--- Movie Ticket Booking System ---");
                    System.out.println("1. Show available movies");
                    System.out.println("2. Book a ticket");
                    System.out.println("3. View bookings");
                    System.out.println("4. Exit");
                    System.out.print("Enter your choice: ");

                    int choice = scanner.nextInt();
                    scanner.nextLine(); // Consume the newline character
                    switch (choice) {
                        case 1:
                            bookingSystem.showMovies();
                            break;
                        case 2:
                            System.out.print("Enter movie title: ");
                            String movieTitle = scanner.nextLine();
                            System.out.print("Enter showtime: ");
                            String showtime = scanner.nextLine();
                            System.out.print("Enter number of tickets: ");
                            int numberOfTickets = scanner.nextInt();
                            scanner.nextLine(); // Consume the newline character
                            System.out.print("Enter seat type (Silver:500/Gold:1000/Diamond:1500): ");
                            String seatType = scanner.nextLine();
                            List<String> paymentMethods = bookingSystem.choosePaymentMethod();
                            System.out.println("Selected payment method(s): " + paymentMethods);
                            Booking booking = new Booking(movieTitle, showtime, numberOfTickets, seatType);
                            bookingSystem.bookTicket(booking);

                        case 3:
                            bookingSystem.showBookings();
                        case 4:
                            System.out.println("Thank you for using the Movie Ticket Booking System!");
                            System.exit(status:0);
                            break;
                        default:
                            System.out.println("Invalid choice. Please try again.");
                    }
                } else {
                    System.out.println("\nSorry, only users above 18 years are allowed to use the system.");
                }
            }
        }
    }
}
```


OUTPUT SCREENSHOT

```
Welcome, TRVR!

--- Movie Ticket Booking System ---
1. Show available movies
2. Book a ticket
3. View bookings
4. Exit
Enter your choice: 1
Available movies:
Title: Interstellar, Showtime: 10:00, Seats Available: 100
Title: Inception, Showtime: 1:00, Seats Available: 80
Title: Tenet, Showtime: 4:00, Seats Available: 120

-----
      WELCOME TO ATMT CINEMA
-----
Enter your name: TRVR
Enter your age: 18

Welcome, TRVR!

--- Movie Ticket Booking System ---
1. Show available movies
2. Book a ticket
3. View bookings
4. Exit
Enter your choice: 2
Enter movie title: Tenet
Enter showtime: 4:00
Enter number of tickets: 5
Enter seat type (Silver:500/Gold:1000/Diamond:1500): Diamond
Choose payment method(s):
1. Cash
2. Credit Card
3. PayPal
4. Exit payment selection
Enter your choice: 2
Enter your choice: 4
Selected payment method(s): [Credit Card]
Tickets booked successfully! Total Price: 7500.0
Movie bookings:
Movie: Tenet
Showtime: 4:00, Number of Tickets: 5, Seat Type: Diamond
Thank you for using the Movie Ticket Booking System!
PS D:\trushen\00ALL micro project\java>
```