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Import java.util.ArrayList;

import java.util.Scanner;

public class MovieTicket {

    static ArrayList<Ticket> bookingRecords = new ArrayList<>();

    static Scanner scanner = new Scanner(System.in);

    public static void main(String[] args) {

        System.out.println("Welcome to the movie theater! ");

        while (true) {

            System.out.println("\nplease select the option below :\n 1. Book a ticket\n 2. Cancel a ticket\n 3. View existing booking records\n 4. Exit , have a good day :) ");

            int choice = scanner.nextInt();

            switch (choice) {

                case 1:

                    bookTicket();

                    break;

                case 2:

                    cancelTicket();

                    break;

                case 3:

                    viewBookingRecords();

                    break;

                case 4:

                    System.out.println("Thank you for using the Movie Ticket Booking System!");

                    System.exit(0);

                    break;

                default:

                    System.out.println("Invalid choice! go for choises above !");

            }

        }

    }

    static void bookTicket() {

        System.out.println("\n Enter movie name:");

        String movieName = scanner.next();

        System.out.println("Enter number of tickets to book:");

        int numTickets = scanner.nextInt();

        System.out.println("Enter customer name:");

        String customerName = scanner.nextLine();

        Ticket ticket = new Ticket(movieName, numTickets, customerName);

        bookingRecords.add(ticket);

        System.out.println("Ticket's booked successfully!");

    }

    static void cancelTicket() {

        System.out.println("\nEnter booking ID:");

        int bookingID = scanner.nextInt();

        for (Ticket ticket : bookingRecords) {

            if (ticket.bookingID == bookingID) {

                bookingRecords.remove(ticket);

                System.out.println("Ticket cancelled successfully!");

                return;

            }

        }

        System.out.println("Invalid booking ID!");

    }

    static void viewBookingRecords() {

        if (bookingRecords.size() == 0) {

            System.out.println("\n Sorry , No booking records found!");

        } else {

            System.out.println("\nBooking Records:");

            System.out.println("ID\tMovie Name\tCustomer Name\tNumber of Tickets");

            for (Ticket ticket : bookingRecords) {

                System.out.println(ticket.bookingID + "\t" + ticket.movieName + "\t" + ticket.customerName + "\t" + ticket.numTickets);

            }

        }

    }

}

class Ticket {

    static int nextBookingID = 1;

    int bookingID;

    String movieName;

    int numTickets;

    String customerName;

    Ticket(String movieName, int numTickets, String customerName) {

        this.bookingID = nextBookingID++;

        this.movieName = movieName;

        this.numTickets = numTickets;

        this.customerName = customerName;

    }

}

Output:

Welcome to the movie theater!

please select the option below :

1. Book a ticket

2. Cancel a ticket

3. View existing booking records

4. Exit , have a good day :)

1

Enter movie name:

Indian

Enter number of tickets to book:

1

Enter customer name:

Ticket's booked successfully!

please select the option below :

1. Book a ticket

2. Cancel a ticket

3. View existing booking records

4. Exit , have a good day :)

3

Booking Records:

ID Movie Name Customer Name Number of Tickets

1 Indian 1

please select the option below :

1. Book a ticket

2. Cancel a ticket

3. View existing booking records

4. Exit , have a good day :)

Enter booking ID:

Thank you for using the Movie Ticket Booking System!