

# Movie Ticket Booking in c++

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#include <iostream>
#include <string>
using namespace std;
class Movie {
public:
    string name;
    string showtime;
    int availableSeats;

    Movie(string n, string s, int seats) {
        name = n;
        showtime = s;
        availableSeats = seats;
    }

    void displayMovieInfo() {
        cout << "Movie: " << name << "\nShowtime: " << showtime << "\nAvailable Seats: " <<
        availableSeats << endl;
    }

    bool bookTickets(int seatsToBook) {
        if (seatsToBook <= availableSeats) {
            availableSeats -= seatsToBook;
            cout << "Successfully booked " << seatsToBook << " tickets for " << name << "!\n";
            return true;
        } else {
            cout << "Sorry, only " << availableSeats << " seats are available.\n";
            return false;
        }
    }
};

int main() {
    // Sample movie list
    Movie movie1("Inception", "10:00 AM", 50);
    Movie movie2("The Matrix", "1:00 PM", 30);
    Movie movie3("Interstellar", "4:00 PM", 40);

    int choice, seats;

    while (true) {
        cout << "Welcome to the Movie Ticket Booking System!\n";
```

```

cout << "1. Inception\n";
cout << "2. The Matrix\n";
cout << "3. Interstellar\n";
cout << "4. Exit\n";
cout << "Please select a movie by entering the corresponding number: ";
cin >> choice;

if (choice == 4) {
    cout << "Exiting... Thank you for using the Movie Ticket Booking System.\n";
    break;
}

Movie *selectedMovie;

switch (choice) {
    case 1:
        selectedMovie = &movie1;
        break;
    case 2:
        selectedMovie = &movie2;
        break;
    case 3:
        selectedMovie = &movie3;
        break;
    default:
        cout << "Invalid choice. Please try again.\n";
        continue;
}

selectedMovie->displayMovieInfo();

cout << "Enter the number of tickets you want to book: ";
cin >> seats;

selectedMovie->bookTickets(seats);

cout << "\n";
}

return 0;
}

```