**Movie Ticket booking requirements**

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**Language Used**: C

Movie Ticket booking applications enables a user to select available seats for a movie at a particular screen

**Assumptions**:

Inox releases Kantara movie in 3 screens. First screen seating capacity is 150, second and third screen has seatings of 120 each. In each screen, seats are divided into different class i.e. VIP, GOLD and SILVER.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Screen Number** | **Total Seats** | **VIP** | **GOLD** | **SILVER** |
| 1 | 150 | 30 | 80 | 40 |
| 2 | 120 | 20 | 60 | 40 |
| 3 | 120 | 20 | 60 | 40 |

**Price**:

VIP: 300/-;

GOLD: 200/-;

SILVER: 150/-

**Features**:

* User can choose **screen number** and find the number of vacant seats available in VIP, GOLD and SILVER for particular **screen number**
* User is able to view already booked seats for particular **screen number**
* User then chooses the **seating Class** and **seat numbers** and system should respond by assigning the seats if available and generate the ticket.
* User can cancel booking and the **seat number** should be available for other users