Event slot booking System

Design event slot booking system with following requirements and conditions. Let us assume that total number of slots available in a day is 'n'. The event will be spread across 3 days and maximum number of attendees will be 3 x n. Let us assume that event is university convocation. Total number of students from all institutions is less than 3x n. Each institution should provide number of students attending the event in advance. The maximum number of students allowed from one institution in a single day is 50% of total count submitted. Students should register for an event by providing name, register number, preferred day (Day1, Day2 or Day3). Depending on the number of slot available system will a lot the day based on availability and preferred day. Provide the following functionalities:

- ❖ Institutions give requests for expected number of students planning to attend across 3 days.
- ❖ Student should have slot booking provision with choices.
- ❖ Count of students from each institution for day1, day2 and day3.
- ❖ On inputting day, institution should get list of students who participate on that day from the institute.