



XYZ had pre-registered a group of four thousand people with the data saved in a spreadsheet in the format described below. They needed an easy way to allow only the people on the list to go online and select a time slot to RSVP the event

Specific registration system requirements:

- Restrict access to the registration form to those people who had pre-registered with the client. No password is to be used in the access control process and the users are asked for their email to verify the eligibility to RSVP the event.
- The system will allow each pre-registered person in the list to submit the form only once.
- Display the registrants' contact information (Full Name, Date of Birth, Phone No., City) but not allow them to change it.
- The front end of the system was required to be available in both English and French based on users Language.
- The registrants needed to be able to select the city of their event, with each city having a specific and limited number of dates and times available for that event.
- All dates, time slots, and cities were required to be automatically removed from the form once all seats in the available slots were taken.
- The system should adjust the number of spaces available for each time slot in real time.

Expectations from Developer

- Select the best Solution and course of action, support with reasoning why your solution will be the most suitable
- Develop the end-to-end code for RSVP'ing an event ticket including Front End, Middle Tier, and Back end
- Client expects tech stack to be Javascript (angular.js / React JS / HTML CSS) Java, Spring 2, Hibernate and MySQL
- List out any assumptions you have made in the solution
- Write down the Test Cases
- Code coverage to be 100%
- Create Sequence Diagrams & DB Diagram for the above problem
- List out Non-functional Requirements you have assumed during the development
- Please share both build file along with the source code

Excel Sheet Columns

Date of Interest	First Name	Last Name	Date of Birth	Email address	Phone no.	City	Language (English/French)
------------------	------------	-----------	---------------	---------------	-----------	------	---------------------------

