**Interview Tracker System Requirements Document**

**Purpose:** Interview Tracker is simple Spring boot application with MySQL, where it allows any unregistered users (visitors) also to manage the user and interview like create, view, modify and delete.

Every user should have the details like

userId,

firstName,

lastName,

email,

mobile

and

Interview details like

interviewId,

interviewerName,

interviewName,

usersSkills,

time,

date,

interviewStatus,

remarks

.

Visitors can perform the follow actions:

1. Allows to add a user
2. Allows to delete an existing user
3. Allows to display all the users
4. Allow to add interview
5. Allow to delete an existing interview
6. Allow to update interview status on go
7. Allows to search the interview on the basis of Interview Name and Interviewer Name
8. Allows searching total no of count of interview.
9. Allows to display all the interviews
10. Allow to add attendee to an interview
11. Allow to show all attendee of an interview

**Software Requirements:** Springboot, RESTful Web Services, MySQL, Postman.

**Scope of the project**: Create a Server-side application.

**Assumptions, Dependencies, Risks / Constraints:**

1. While adding a user to interview as attendee, if user id already exists, it should throw a custom exception.
2. While deleting the user and interview also, assumed that id already exists, else throw an custom exception
3. For all rest endpoints receiving @RequestBody, validation check must be done and must throw custom exception if data is invalid
4. All the business validations must be implemented on DTO object only.
5. All the database operations must be implemented on model / entity object.
6. The conversion from model to dto can be done in the service layer.

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**Business Validations:**

1. user id and interview id must be not null and unique
2. firstName is not null , min 5 and max 30 characters.
3. lastName is not null , min 3 and max 25 characters.
4. email is not null , and it should be valid mail id.
5. mobile is not null , min 10 and max 10 character.
6. interviewerName is not null , min 5 and max 30 characters.
7. interviewName is not null , min 3 and max 30 characters
8. usersSkill is not null , min 5 and max 30 character.
9. interviewStatus is not null , min 5 and max 100 character.
10. remarks is not null , min 5 and max 100 character.