Create an Event Management App

1. Backend Java Spring Boot
2. Front End Angular

Features:

**Admin**

1. Role Based admin login. One super admin will be created. Super admin can create, approve, delete and change access level of admin.
2. No admin can register by himself, only super user can create admin.
3. Passwrod has to be hashed and to be stored in DB. Java Spring Security Bcrypt Hashing can be used.
4. If password is forgotten forgot password mail will be send to admin email to reset password.
5. Password change option needs to be added for admin.
6. **JWT** Based Auth has to be implemented.
7. REST Ful API Design
8. MY SQL Database
9. Swagger ui Implementation
10. Use Java Spring Security
11. Use Maven for Build
12. Use Light and Dark Theme
13. Use Print option to print Id card and user info
14. Keep save as pdf option as well as print
15. Create Line Barcode 128 for to be printed in ID card( member id will be converted to Barcode 128)

Entities:

1. Super Admin
2. Admin
3. Jamat
4. Majlis
5. Member
6. Event
7. Report
8. Id Card
9. Attendence
10. Guest

Role of Admin:

1. Register Member
2. Update Member
3. Delete Member
4. Approve Member Registration
5. Read Member Info
6. Search Member
7. Print ID Card of Member
8. Print Member Info
9. Register Member for Event
10. Create/ Read/ Update/ Delete Event

Admin Access Level:

1. Each Admin can access Member who belongs to some particular Jamat (i.e. lcoation) Jamat is a Field of each member more like location. Each admin can access member from single or multiple location based on his access level. Super admin can edit/ change admin’s permission. Admin can see his role and permission from his profile dashboard, but he cannot change it. Only super admin can change it.

1st Step:

Create Jamat Entity :

1. primary key integer id, string name, integer next\_val

2. for both back end and front end add CRUD option.

2nd Step:

Create Super Admin Entity :

primary key integer id, string username, String password, String name, Sting mobile, String email, List Jamat, List Role

super admin can create, read, update , delete admin.

Each admin can be assigned multiple role by super admin

Each admin can be assigned multiple Jamat access by super admin

3rd Step:

Create RoleEntity :

primary key integer id,

Enum REGISTER\_MEMBER, READ\_MEMBER, UPDATE\_MEMBER, DELETE\_MEMBER, APPROVE\_MEMBER, REGISTER\_MEMBER\_EVENT, SEARCH\_MEMBER, PRINT\_MEMBER, CREATE\_EVENT, READ\_EVENT, UPDATE\_EVENT, DELETE\_EVENT, PRINT\_REPORT,

String details

Part 1:

1. Create JWT based auth with super admin

2. super admin can create , read, update, delete admin

3. super admin can give admin super admin privilege

4. admin has name, password, username, email, phone, date of birth, profile image

5. add forget password option send to email

6. use Bcrypt hasinng to store password

Give full backend and front end code