# School Portal API Requirements

## Users

1. Student
2. Teacher
3. Parent
4. Principal
5. Admin

## Entities in the system

1. Student
2. Teacher
3. Class Teacher
4. Parent
5. Principal
6. Admin
7. Class
8. School
9. Subject
10. Teacher allocation to subject and class
11. Result (ca, exam, final)
12. Position(per term based on average score of students in class)

## Functions

* Login (Token Auth via OAuth or JWT)
* Admin Access to all entities
* Teacher access to upload scores of students for their subject and comment on student performance
* Student/Parent access to their result and position info
* Parent linked to student
* Principal access to
  + Assigned to school
  + Info of teachers
  + Info of students
  + Result info of all students in school
  + Teachers comments on students
* Chat rooms based on teacher + students taking a subject in a class
  + Also based on class teacher + students in the class