School API Task

Python Back-end Position

You are going to build a REST API for student music platform management

User story:

"As a music teacher, you want the opportunity to manage all the details thanks to your students, sometimes the teacher works in a music school."

1. There are two types of users:
   a. **Teacher**s (attributes: first name, last name, teaching since, instrument, email)
   b. **Student**s (attributes first name, last name, student since, email, birthday)
   c. For every teacher there are one or more students, for every student, there is only one teacher.
2. Teacher can work in **School** (attributes: name school, address, phone number), every teacher at school there is a role: Administrator, and Regular teacher.
3. Login Rules -
   a. Administrator - can create, read, update and delete teacher and student in his school (include himself), and can edit the role of teacher
   b. Regular teacher - can create, read, update and delete students - only his students.
   c. If a teacher is not part of a school, he can create, read, update and delete students - only his students.
4. API:
   a. teacher/ - implement methods - GET, POST(create)
   b. student/ - implement methods - GET, POST(create)
   c. school/ - implement methods - POST(create)
   d. school/add_teacher - implement methods - POST
   e. school/remove_teacher - implement methods - DELETE

General Guidelines:

- Stack: Django, Python 3, DRF(Django REST Framework)
- **Use Django default style guide**
- Timeframe 4-6 hours
- Attach README

Extra points:
- ☐ API Documentation
- ☐ Unit tests
- ☐ GraphQL API
- ☐ Container (Docker)