

## **basic crud server**

### Topics:

- fast api
- maintainability

### Task description:

- continue to work on the same server from the previous exercise.
- support the following functionality:
  - add sign in/sign up functionality.
  - use username and password for the authentication process.
  - store the username and password in a secure way.
  - non authenticated users cannot access any endpoint.
  - add roles, and attach the role to the user sign up. all users are admin/guest.
  - make the following routes accessible only for admins:
    - add student
    - get student by class
  - The rest are accessed by all types of authenticated users.

### Maintainability

- make your code maintainable:
  - descriptive naming.
  - modules.
  - function documentation.
  - logical positioning
  - short files and functions.

- single responsibility functions.
- syntax as close to English as possible.