# SNC Back-end programming task

You should design the authentication & authorization of a simple system.

* The system manages users and roles (can be 1 to 5)
* The system provides several API calls with different access:
  + Open to all
  + Open to logged-in users
  + Open to logged-in users with roles > N

The system should support the following flows:

1. Register User (username + password + role)
2. Login (username + password)
3. Call F1 – work
4. Call F2 – work for logged-in user, denial otherwise
5. Call F3 – work for logged-in user with role > N, denial otherwise

You can start with a short sketch of the solution and then move to actual coding.

You can use whatever tools and programming languages you prefer