

**About:**

The task is all about to test your backend skills, as well as to check your coding style/architecture. We would judging your code based on readability, reusability and robustness of your code.

Your task consists you developing three end/api points

1. Register
2. Login
3. Product CRUD

**Register:**

Create a post call with fields like username, email, password, role(enum with fields admin, manager & staff). If it is valid response return 201 status with user created message

**Login:**

Create a post call with fields like email & password. If he is valid user return 200 status along with a JWT token or any token system your familiar with. The main aim of token is to authorise user for crud operations.

**Product:**

The product model will have fields like title, description & inventory count. All the CRUD(Create, Read, Update & Delete) API's should require token in header to perform actions. If no token provided return status 400 with Token not provided message.

- \* Product **Creation** can be accessed with admin token only
- \* Product **Get** can be accessed with admin, manager token only
- \* Product **Update** can be accessed with admin, manager token only
- \* Product **Delete** can be accessed with admin token only
- \* Staff will not have any **CRUD** rights

**Note:**

- \* The Framework should be **Node**
- \* For token you can use **JWT** or can token system your are familiar with.
- \* As said earlier **token** will be used to authorise user for **CRUD** operations
- \* Database can be MongoDB or Postgres or MySQL

All The Best ☐