Project Story/Description: A company named Elex made a contract with my company to create an employee management API

**FUNCTIONAL REQUIREMENTS**

1. The app should be able to retrieve all employee or a specific employee depending on the admin’s order
2. The app should be able to do CREATE, UPDATE and DELETE operations on the employee
3. The app should make the admin login before doing any operations and if the request is unauthenticated then the request will be disallowed doing the operation
4. The app should be able to rest the admin’s password in case the admin forgot his password and the password will be changed using a token which will be sent to the admin email
5. The app should give the admin the ability to search for an employee by the employee’s name or company or by salary or by years of experience

**NON- FUNCTIONAL REQUIREMENTS**

1. The app should be secured using JWT and the password must be encrypted
2. The app should be flexible when adding new features, in other words the app must not break when adding new features
3. The app must consume and produce both JSON and XML as data format
4. The app must be documented using Swagger
5. The app must cache the results using Redis as cache to preserve the amount of the same requests to the database and to improve the performance