

Task1 :

You need to implement a back-end server side using spring, jpa and rest APIs.

Use the following models:

1. Employee(id,name,age,phoneNumer,address,gender,baseSalary,currentSalary,hireDate,currentSalary,department,role)
2. Department(id,name,employees,managet)
3. Address(id,location,...)

- Each employee can have more than one department
- Each department has a list of employees and only one manager(which is an employee)
- Each employee has only one address, but the same address can belong to more than one employee
- currentSalary of the employee is not present in the database and should be calculated according to the hire date(every year before current year equals 200\$ + the base salary)

- support pagination and sorting (sort by whatever you want)
- In addition to basic CRUD APIs (GET,POST,PUT,DELETE) you need to implement the following:
 - a- get all names of employees who work in the specific department.
 - b-get employees by gender
 - c- get all managers of departments