

## **Technical Services Internship**

## **Technical Assignment**

Using a modern technology of your choosing, you need to build a proof of concept for a small company of 5 employees. The data for these employees can be retrieved either locally or remotely hosted and should contain the following basic fields:

Name, Surname, Birth Date, Employee Number, Salary, Role Description (Employee, Manager, Trainee), Reporting Line

The baseline requirements for your POC application are as listed below.

- 1. Enable innovative searching features to search for an employee per the criteria above with an output of the matched employees based on the entered criteria
- 2. Enable identifying of employees based on their date of birth, comparing this to a selected or entered date (e.g. listing all employees born after 01/01/1990)
- 3. Report a full organizational structure in any display format that would benefit the end user. Ex:

```
✓ Manager 1 - John Smith 18-11-1980 R700,000.00
✓ Employee 2 - Jane Doe 31-01-1995 R150,000.00
✓ Employee 3 - Jim Bean 23-03-1987 R175,000.00
✓ Trainee 4 - Roger Wilco 27-12-1978 R100,000.00
✓ Trainee 5 - Susan Roe 20-08-1986 R100,000.00
✓ Manager 6 - John Did 31-01-1995 R750,000.00
✓ Employee 7 - Josh Taylor 15-07-1992 R150,000.00
✓ Trainee 69 - Gilad Mannington 20-11-1997 R110,000.00
```

4. Report on, and sort according to the highest earnings of the listed employees, grouped per role

## Consider the following aspects:

- ✓ Consider best practices (OOP, for example) and way to showcase what you have to offer
- ✓ Your solution should be executable and easily launched without additional software or hardware
- Documentation is a key part of solution delivery for any customer
- ✓ Consider this a formal assignment as you would any other assignment
- √ You are welcome to add any additional features for extra credit

Please send your submission to: techrecruit@epiuse.com within one week (7 days)



