JS Patterns

FOLDER STRUCTURE

```
FL14_HW10/ *                                          * - required
      ├── task
      ├── homework/ *
      │      ├── js/ *
      │      │      ├── index.js *
      │      ├── css/ *
      │      │      ├── style.css *
      │      ├── index.html *
      │      ├── .eslintrc.js *
      │      ├── mock.json
```

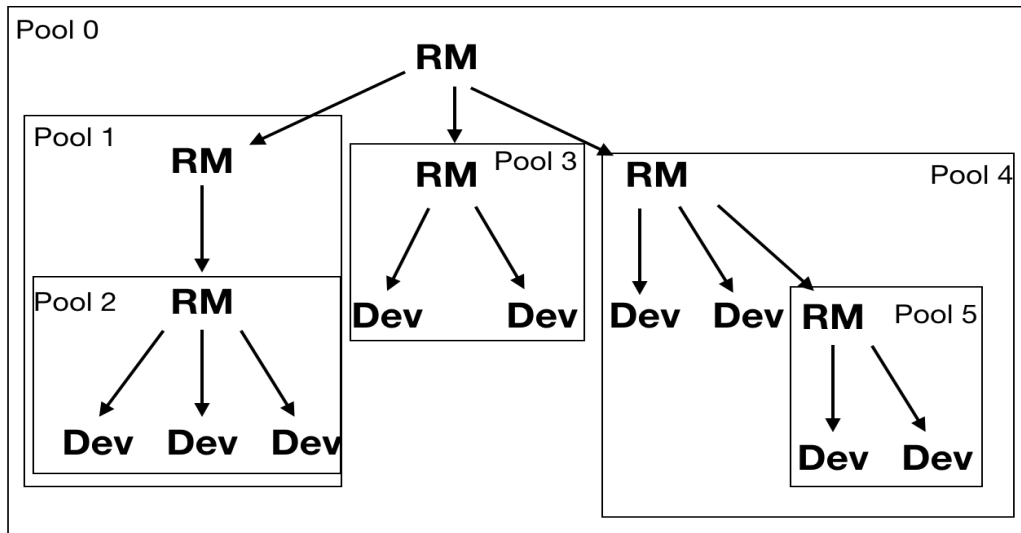## TASK

There's a Resource Manager (next RM) position at Epam. RM is a developer and a manager at the same time. RM owns a pool of developers some of which may also be RMs and have their own pools.
A pool is a group of developers with an RM on top.

Basically, this is a simple tree-like structure:

Let's imagine, you're the top RM and need to keep track of all of your direct or indirect subordinates.

– Implement a simple UI to display 3 different tabs**: All Employees / All Units / Warning Employees**
– Take mock file with data from *mock.json*
– All Employees tab: Tree-like list (table) of all the Employees with RMs highlighted
– All Units tab: Tree-like list (table) of units with average data by unit (all employees)
– Warning Employees tab: List of employees selected by a specific criterion (to be chosen on your own, e.g. performance is low and salary is above average by pool)

HINTS:
— Use **Composite pattern** to build employees trees
— Try to use **Strategy pattern** to make different selections of employees
— Don't pay too much attention to the UI part, the main task is **patterns**

RESTRICTIONS
- Adding **task/** folder is forbidden. Do not push it to repository. (Only **homework/** folder should be pushed)
- Do not use any external libraries

BEFORE SUBMIT

- Code should be clean, without comments, readable, and tested
- Make sure your GitLab folder structure meets folder structure from this document (without **task** folder)
- Use linter :
    - In order to use npm package manager you should install nodejs (https://nodejs.org/)

Frontend Lab

- Install eslint to check your code (npm install -g eslint)
- open a terminal (or cmd)
- run eslint (i.e. eslint ./js/task1.js)

Code should be without 'errors'

SUBMIT

- The **FL14_HW10** folder without **task** folder should be uploaded to GitLab repository "**FL-14**" into **master** branch.
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