

Software Challenge, iLoy Group, Angular

You need to develop SPA Angular application for a simple People Management System.

Requirements:

1. PMS contains information about departments and employees. Every employee works in some department. Few departments can be grouped in a bigger department.
2. For every department following information is stored in PMS:
 - a. Name
 - b. List of employees
3. For every employee following information is stored in PMS:
 - a. First name
 - b. Last name
 - c. Date of birth
 - d. Speciality

The SPA must contain:

1. Mock for REST API with test data
2. Tree with dynamic data loading for showing departments and employees
3. Details views for department and employee which are placed near the tree and showing detail information for the selected item in the tree.
4. Drag and drop functionality for changing department in which employee works.

The SPA must be written with last version of Angular.

You should prepare the code, unit tests and documentation as you would any piece of professionally written software. The purpose of this exercise is to demonstrate your programming skills in an exercise that should not take more than a few hours of your time. When you feel it is appropriate to use a library outside of the standard libraries, then please notate that library declaration with a comment explaining motivation for use.

As we are also interested in your thought process and work method, when you submit the challenge, please zip together the source control repository that you used so that we may inspect the commit history.