SOLTEQ

Assignment for practical training applicants 2018

Business need

Customer X wants to have a software where they keep information about their employees. Software is needed for purposes of reporting and data registry. Management wants to keep track of the salaries, average salary per months spent in a company and other possible uses that might be needed in the future. Registry also has contact details for each employee.

Functional requirements

Employee data should be easy to enter, modify and delete though some interface.
User interface needs to have search functionality. Admin user is able to find employees with limited information available. Search results needs to be sortable for reporting purposes. Average salary per months spent in a company needs to be visualized on the graph.
Extra functionalities that are not mandatory in the first version, however, they will be considered a benefit:

- export of the data in some generic format
- print of the report

Non-functional requirements

Keep in mind that some of the reporting details might not be known on the time when software is written. Version 2.0 might have need for functionality Y on top of the functionality X that was needed in version 1.0. Also, good programming practices will be evaluated. It is recommended to use some database to store the data.

Optional (not mandatory) non-functional requirements contain automated tests and continuous integration.
Technologies and front-end languages are not restricted but it is good to choose a set in which you are good at and which reflect your possible future career in Solteq. The solution must be designed and implemented as a web application. It is required to use Java based technologies at the backend side.

Delivery

Customer would need their solution tested and fully working ASAP, but we were able to negotiate the deadline for this project is one week.

Working application, together with screenshots or video, which can be quickly tested locally without extra effort is expected. Ideally deployed somewhere on the internet. Use your own judgement when deciding how to ship your application.

It is highly recommended to use some version control system and make it easily accessible for us. You can use for example GitHub or anything similar.

In case of any questions about the delivery, do not hesitate to ask in order to clarify everything and prevent any misunderstanding.

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