Assignment for practical training applicants 2017

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.

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
- visualization of the data

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.

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Optional (not mandatory) non-functional requirements contain automated tests and continuous integration.

Technologies and 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.

Delivery

Customer would need their solution tested and fully working ASAP, but we were able to negotiate the deadline for this project to be on October 1st 2017.

Working application which can be quickly tested 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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