

Frontend developer recruitment programming task

Hi. This task is designed to evaluate your ways of resolving day-to-day challenges which all frontend developers face during their work. There is no best way to accomplish it, just do as good as you can in a given time span. All points listed in the specification section needs to be implemented. Link to the repository containing code of your program should be sent back no longer than 48h after receiving this assignment. If you find something missing in this specification note that, use your common sense and expertise to solve the issue and report it during later talk. Good luck!

Description

Our client asked us to prepare a tool for managing a list of tasks. The tool needs to have one main view (page) where user can see already added tasks, set different options for them, reorder them and add new ones. UX/UI design was not provided but client wants something simple, clear and easy to use. Program needs to be developed using React. It's up to the developer to choose the base for the app - Create React App, Next, custom solution. Anything you see fit will be good as long as the specification is implemented.

Specification

1. Code of program needs to be shipped as a GitHub public repository
2. Program needs to be easy to run locally
3. Program has to have a build script for building production ready code
4. Repository needs to contain instructions regarding how to run program locally
5. Repository needs to contain a file with this specification
6. Suite of basic unit tests needs to be provided
7. Program needs to be usable on screens of mobile devices like phones and tablets
8. Data provided by user don't have to be persisted
9. Plan for a persistence layer needs to be prepared
10. Data provided by user needs to be exportable to the browsers console
11. Each task needs to have a title and description
12. Each task needs to have a customizable color of background and text
13. User needs to be able to reorder tasks
14. Title is mandatory
15. Description is optional
16. Description should be collapsible and closed by default
17. Description toggle control should be hidden if task has no description
18. Tasks needs to be removable
19. Tasks needs to be editable
20. Form for adding new tasks needs to be presented in modal window - https://en.wikipedia.org/wiki/Modal_window
21. Edition UX is up to developer to design
22. When adding or editing tasks don't modify already stored data until user accepts addition or edition
23. All task data needs to be editable during task addition and edition