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# Front-end Assignment: Panel Teams

## THE CHALLENGE

In this front-end web development assignment we would like you to create a simple to-do web app. There is no need for a login / register system. Any user who has access to the deployment link can perform any operation. There will only be one global to-do list.

Some frameworks and tools are optional but in getir we use React, Redux, Redux-Saga. It is better if you complete the assignment with these technologies.

React and Redux are must, Redux-Saga is optional.

## REQUIREMENTS

1. Users must be able to add a new task to their to-do list.
2. Users must be able to list their tasks in the list.
3. Tasks should have at least two statuses like incomplete / completed.
4. Users must be able to change the status of the tasks, name and extra added field updates are up to you.
5. Completed tasks should look different than the incomplete tasks.
6. Front-end web framework must be React.js. We believe that anyone familiar with a component-based framework can complete this task in React also.
7. Even if we believe that this task can be completed without Redux, you will be using it if you join our team so you should add Redux to your project.
8. If you want to write your own backend it must be written in Node.js and Express.js.
9. If you want to use your own backend Database must be mongodb. You are free to use javascript helper libraries to use mongodb like mongoose. You can get a free online database from mongodb atlas.

10. If you write your own backend and also be evaluated by that, we will expect less on the frontend part if you also have a nice backend repository.
11. If you don't want to write your own backend, we still expect server communication on your front-end code. You can use any backend service you like. Ex:  
<https://jsonplaceholder.typicode.com/>, <https://www.todobackend.com/>, firebase, json-server etc.  
Also please show your skills and experiences with server communication on the frontend with your implementation.
12. Project should be deployed. You are free to use any server. We recommend heroku since it is easy and free. Also we see some examples from netlify and github pages, too
13. You don't have to struggle with the design and the styling, a UI library usage is recommended. If you are also proud of your design skills feel free to demonstrate, it might be a plus. However, our daily tasks are rarely design related. We care about UX more than the UI.

## DELIVERABLES

- Github repository will be shared with you, please upload your code with nice commit messages written in english.
- URL to access the project. However, if you have difficulties deploying the app you can provide running instructions.

## WORTH HIGHLIGHTING

- First of all, please keep in mind that we are looking for teammates. Be the teammate you want to have on your team. Show us what you care and what you expect from us with your implementation, end product, github repository etc. This criteria also applies to the technical interview that will come after you successfully complete the task and achieve an over the bar quality.
- We won't share any mockup with you deliberately because we want to also see your product mindset.
- We expect the simplest version to satisfy required tasks should be completed in a day or two. However, it is not a speed test. Take your time! In fact, this task is open to furthermore improvements and we expect you to add features on your own. If these new features will cost you more time, feel free to have it. Ex: Adding a deadline to task, showing how much time you have left to complete the task on the list etc.
- A well readable code and a readme is always appreciated.

- Do not forget that the purpose of this task is to see how do you complete a task on your own and how do you write code in the languages that Getir uses. However, this is not a programming competition so do not spend too much time on small details. A working project is the most valuable deliverable.
- Second most valuable point is to prove that you are aware of web programming best practices regardless of the language or framework. We recommend that you do not go over-engineering but show us your talent with some small details. If you have time, implement this project like it would scale much bigger and other developers would join soon.
- The styling of the web app is not the most important criterion we will check. However, anything that improves the UX (rather than UI) will be a bonus point on your name. Ex: Responsive design, coloring, aligning items, modals, confirmation boxes, switches etc.
- Your feedback on how much actual time you needed to deliver the task will be helpful but will not be used for the evaluation.
- You are free to use any extra libraries to deliver the needed functionality. Bundle size is not the most important criteria for this team.
- After you submit the task generally it lasts on average 2 weeks for us to evaluate your assignment. We really like to dig into every detail because you spend your valuable time on that it would be shameful to do otherwise.
- In the following interview process you will be interviewed about your CV & Experiences, case (both the end product and the delivered code), product analysis skills (on perspective of a developer), teaching & mentoring skills about react and/or web development general best practices, Data Structures and Algorithms skills.