



Frontend Assignment

THE CHALLENGE

In this frontend development assignment, we would like you to create a simple product listing web app. You are free to use any extra libraries to deliver the needed functionality.

REQUIREMENTS

1. Front-end web framework must be React. We believe that anyone familiar with a component-based framework can complete this task in React as well.
2. 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.
3. The project should be deployed. You are free to use any services. We recommend Heroku or Netlify since it is easy and free.
4. The design (Figma file) shared with you needs to be coded pixel-perfect and responsive. (You are free to use your imagination for mobile screens).
5. We provide the data as JSON files. The attached json files (items.json and companies.json) includes all the data you need. We also want you to use the json-server (<https://github.com/typicode/json-server>) for fetching this data.
6. You are free to use any placeholder services or any single image file for product images.
7. There must be a pagination with up to 16 products per page.
8. Sorting, Brands filter, Tag filter, and itemType filters should be working properly.
9. We should be able to add and remove products from the basket and the number of products in the basket should be manageable by buttons.
10. We should be able to add products to the basket and remove products from the basket and the number of products in the basket should be manageable by buttons in the basket next to each product.

DELIVERABLES

- GitHub or any other cloud repository storage link to source code.
- URL to access the project. However, if you have difficulties deploying the app you can provide;
 - Source code & running instructions

EVALUATION CRITERIA

The project will be evaluated according to the following criteria which are written in **bold** font. We also drop little hints below. It's up to you to do more :)

- **Documentation**
- **Folder Structure**
- **Styling**
 - Pixel Perfect
 - Writing reusable CSS code to prevent repeating yourself
- **Logical**
 - Meaningful variable and function naming
 - Writing the props definitions
- **Test**
- **Application**
- **Git**
- **Bonus**
 - CSS-in-JS
 - A11Y
 - State-of-the-art react best practices