

React Challenge

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Summary

This challenge consists in creating a simple React app based on a shopping list. This app will require the use of Firebase, Redux and other packages the developer deems necessary.


The objective of this challenge is to measure the quality of the code of the developer, his knowledge of React, its packages and use of Firebase.

Testing will be required for components, we recommend using the packages [Jest](#) and [Testing Library](#).

Requirements

Shopping list screen

1. It should contain a scrolling list of shopping items separated by headers that correspond to their category.
2. Categories should be colored.
3. Categories can be open and closed.
4. Items on each list can be rearranged.
5. Each item should display the image and name of the item and also allow you to add it to favorites by pressing the favorite icon.
 - a. A toast at the bottom of the screen should appear when the item is added to favorites.
6. A search bar should be implemented searching by both:
 - a. Product
 - b. Category
7. Categories and item lists can be deleted by clicking on a button.
 - a. Doing so a pop up should appear asking the user if he is sure to delete the item.



Create item and category screen

1. The create item screen should have:
 - a. Item name.
 - b. There can't be two items with the same name.
 - c. Category it belongs to.
 - d. An image of the item.
 - e. A toast should appear when the user has added an item.
2. The category should have:
 - a. Category name.
 - b. There can't be two categories with the same name.
 - c. Category Color.
3. A switch in the screen shows what it's being added. (Ex. if the switch is on, it shows add item, if it's off it should show the add category)

Favorites screen

1. The user should be able to see the favorites items it has added, separated by the corresponding categories.
2. Items should display the same as the item list screen, but also add the date it was added.
3. Removing from favorites should be done by pressing the favorite icon.
 - a. A toast should appear on the bottom of the screen when the item is removed.

Design

Navigation between screens has to be done by some sort of navbar or sidebar.

The developer has total liberty on the design of the application. Knowledge and implementation of design will be noted but will not be the main focus.

The developer is not limited and is encouraged to add new features and packages he/she believes will improve the application.

