

About this app:

This mobile application displays a catalogue of desserts for a Food Truck, and has been created using React. It includes dropdown buttons for filtering the dessert items by Flavor or Type (Dessert type), and to sort by price (High to low, or Low to high). It also includes buttons for removing any filters or sorts.

Instructions on running code:

1. In terminal, cd into the folder containing the submitted files (the folder is 'bakery-app').
2. Then, run 'npm-start' to run the app
3. View the app by going to <http://localhost:3000/>

About bakery-app:

The interface relates to some of the user interface design principles learnt in class as it is clearly divided into sections, for good organization and categorization of information. Each dessert element is in a separate box of its own, with a picture and some information. Information regarding filters, sorting and resetting are all in a separate box of their own, so the user knows that this part of the interface presents a different sort of information.

The box with dropdowns for filtering and sorting is also positioned at the top of the webpage, because we want the user to be able to easily find these filters and apply them as needed.

Data is passed through components using props - setting props in a parent component allows child components to access this data and render the component accordingly. In this app, the app.js component passes a list of items to the Filters component. The Filters component passes a list of items to the ItemList component (which renders each item), and passes data about the current Type, Flavor and Sorting state of the app to FilterTrack (which renders the box displaying information about current filters).

The high level goal of this application is to show how filtering can be useful to retail, especially food business that want to display their products. This is because being able to filter products by various fields like item type, flavor etc is important, and being able to sort by fields like price (and perhaps calorie content etc) is relevant too.