

I am using **redux-thunk** as middleware **for async actions** and **json-server** for fake API.  
Fake API is started on port 5000 along with npm start command.

## Store

- clothList
- colorFilters
- monthFilters

## List of components with overview of what it does

- App.js
  - Filter.js
    - ColorFilter.js
      - Maps over clothList to get distinct colors
      - Shows color filters
      - Click dispatches FILTER\_BY\_COLOR with color as payload
    - MonthFilter.js
      - Maps over clothList to get distinct months
      - Sorts month according to actual order in a calendar
      - Shows month filters
      - Click dispatches FILTER\_BY\_MONTH with month as payload
  - Cloth.js
    - ClothList.js
      - In componentDidMount() dispatches FETCH\_CLOTHES to get data from api
      - Maps over clothList to get visibleClothList
      - Assigns filterScore to each item in visibleClothList
      - Sorts visibleClothList in descending order of filterScore (item with more filters matching appears on top of the list)
      - Logical AND between color and month filter
      - Logical OR within values of individual filter
    - ClothItem.js
      - Uses displayVariant to show preview on hover on swatch
      - Uses selectedVariant to show selected variant
    - SwatchList
      - Shows list of variants available