Build a menu and a smart size-picker from scratch

Context

When dealing with e-commerce websites, we usually apply a lot of filters, whether to narrow down the options or to choose the right size/color/brand we want to buy. Using filters to narrow down options is a very common scenario in ecommerce sites, so we think it is a good place to start show-off your skills.

Description

Your goal is to recreate the design/wireframes down below, as a reusable web component (using the ES2015 syntax) and include all buttons and elements as you see on the wireframe, data is provided so you can spend your time on coding.

There are various ways of accomplishing this but besides the two aforementioned requirements, it is completely up to you how to fill in the blanks.

What you *should* do

- Think about the architecture of your components!!!
- Use ES2015 syntax
- Include a README file describing the component, your decisions, and any other useful information.
- (Optional) Write tests. You know, this thing that checks that your code does what you expect to do...
- Make your solution available on Github

What you *can* do

- Use React (we are heavy users of React) or go with vanilla JS. Show us that you are more than a React developer.
- Use any other JS library that makes your life easier as a developer. Think about the implications though.
- Use any bundling tool if you need to.
- (Optional) And again, write tests.

What do we expect

- A nice component architecture, that makes them easy to reuse and understand.
- The original source code and a standalone working version.
- Quality over quantity. Did we mention that testing is nice?

Thanks, and talk to you soon!

Wireframes & specification (see next page):

Logo

| Size | Color | Room | Price | Material | Construction | Style |

Applied Filters: — none —

Logo

| Size | Color | Room | Price | Material | Construction | Style |

| 2' x 3' | 3' x 5' | 4' x 6' |

Apply

Open a dropdown with options onClick
Highlihgt opened menu

Applied Filters: — none —

Screen 1

○○○

⬅ ➡ ↻ [_____]

⊠ Logo

| Size | Color | Room | Price | Material | Construction | Style |

| 2' x 3' | 3' x 5' | 4' x 6' |

Cancel   Apply

Highlihgt selected options
Show "Cancel" button if there are selected options.
"Cancel" button must unselect options (Sizes in this example)
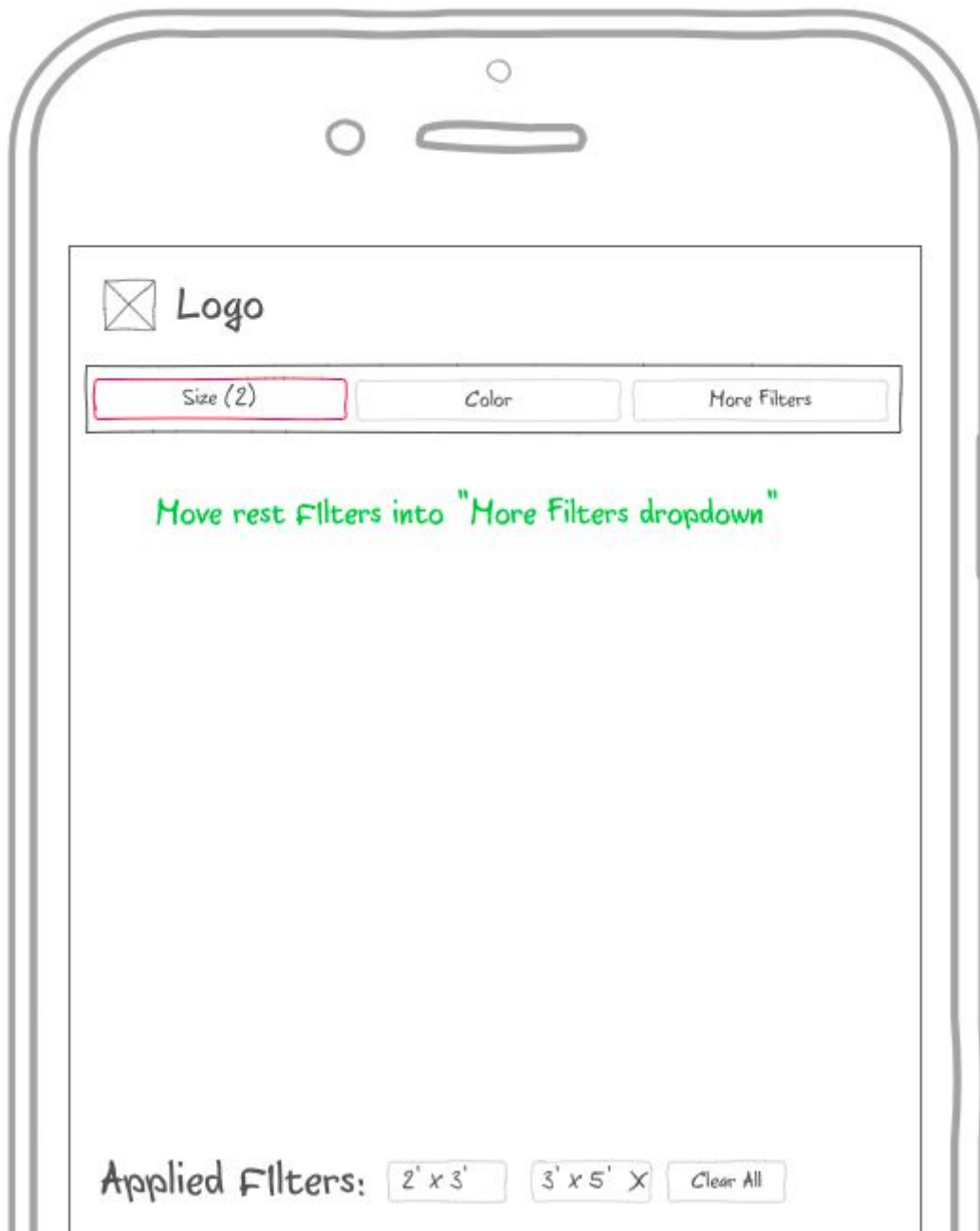Apply FIlters ONLY after user tap the "Apply" button

Applied FIlters: − none −

Screen 2

○○○

⬅ ➡ ↻ [_____]

⊠ Logo

| Size (2) | Color | Room | Price | Material | Construction | Style |

Show count of selected options in a menu
Reset user's changes on dropdown closing

Show all selected options:

Applied FIlters: | 2' x 3' X | | 3' x 5' X | | Clear All | Allow to clean selected list

Allow to remove single option by click on "X" sign

⊠ Logo

| Size (2) | Color | More Filters |

Move rest Filters into "More Filters dropdown"

Applied Filters: | 2' x 3' | | 3' x 5' ✕ | | Clear All |

⊠ Logo

| Size (2) | Color | More Filters |

△

| 2' x 3' | 3' x 5' | 4' x 6' |

Full width dropdown on mobile

Apply

Applied Filters: | 2' x 3' | | 3' x 5' X | | Clear All |

Attachments:

Filter options (please copy and use in your code):

```
{
    size: [
      {
        id: "2x3",
        title: "2' X 3'",
      },
      {
        id: "3x5",
```

```
        title: "3' X 5'",
      },
      {
        id: "4x6",
        title: "4' X 6'",
      },
      {
        id: "5x8",
        title: "5' X 8'",
      },
      {
        id: "6x9",
        title: "6' X 9'",
      },
      {
        id: "8x10",
        title: "8' X 10'",
      },
      {
        id: "9x12",
        title: "9' X 12'",
      },
      {
        id: "10x14",
        title: "10' X 14'",
      },
      {
        id: "12x15",
        title: "12' X 15'",
      },
      {
        id: "runners",
        title: "Runners",
      },
      {
        id: "roundsovals&squares",
        title: "Rounds, Ovals & Squares",
      }
    ],
    color: [
      {
        id: "blue",
        title: "Blue"
      },
      {
        id: "black",
```

```
    title: "Black"
  },
  {
    id: "neutral",
    title: "Neutral"
  },
  {
    id: "orange",
    title: "Orange"
  },
  {
    id: "white",
    title: "White"
  },
  {
    id: "gray",
    title: "Gray"
  },
  {
    id: "red",
    title: "Red"
  },
  {
    id: "brown",
    title: "Brown"
  },
  {
    id: "multi",
    title: "Multicolor",
  },
  {
    id: "yellow",
    title: "Yellow"
  },
  {
    id: "green",
    title: "Green"
  },
  {
    id: "pink",
    title: "Pink"
  },
  {
    id: "purple",
    title: "Purple"
  },
```

```
    ],
    room: [
        {
            id: "bedroom",
            title: "Bedroom"
        },
        {
            id: "living room",
            title: "Living Room"
        },
        {
            id: "hallway",
            title: "Hallway"
        },
        {
            id: "kitchen",
            title: "Kitchen"
        },
        {
            id: "bathroom",
            title: "Bathroom"
        },
        {
            id: "kids",
            title: "Kids"
        },
        {
            id: "dining room",
            title: "Dining Room"
        },
        {
            id: "outdoor",
            title: "Outdoor"
        },
        {
            id: "office",
            title: "Office"
        },
    ],
    price: [
        {
            id: "from0to100",
            title: "$0-100",
        },
        {
            id: "from101to300",
```

```
      title: "$101-300",
    },
    {
      id: "from301to700",
      title: "$301-700",
    },
    {
      id: "from701",
      title: "$701 & above",
    },
  ],
  material: [
    {
      id: "synthetics",
      title: "Synthetics"
    },
    {
      id: "jute & natural fibers",
      title: "Jute & Natural Fibers"
    },
    {
      id: "wool",
      title: "Wool",
    },
    {
      id: "blends",
      title: "Blends"
    },
    {
      id: "cotton",
      title: "Cotton"
    },
  ],
  construction: [
    {
      id: "machine made",
      title: "Machine Made"
    },
    {
      id: "hand woven",
      title: "Hand Woven"
    },
    {
      id: "hand knotted",
      title: "Hand Knotted"
    },
```

```
    {
        id: "hand tufted",
        title: "Hand Tufted"
    },
    {
        id: "hand hooked",
        title: "Hand Hooked"
    },
    {
        id: "shag",
        title: "Shag"
    },
    {
        id: "dhurrie",
        title: "Dhurrie"
    },
    {
        id: "hand loomed",
        title: "Hand Loomed"
    },
],
style: [
    {
        id: "casual",
        title: "Casual"
    },
    {
        id: "contemporary",
        title: "Contemporary"
    },
    {
        id: "southwestern",
        title: "Southwestern"
    },
    {
        id: "moroccan",
        title: "Moroccan"
    },
    {
        id: "transitional",
        title: "Transitional"
    },
    {
        id: "modern",
        title: "Modern"
    },
```

```
      {
        id: "shag",
        title: "Shag"
      },
      {
        id: "boho&bohemian",
        title: "Boho/Bohemian"
      },
      {
        id: "traditional",
        title: "Traditional"
      },
      {
        id: "vintage",
        title: "Vintage"
      },
      {
        id: "updated traditional",
        title: "Updated Traditional"
      },
      {
        id: "kilim&tribal",
        title: "Kilim/Tribal"
      }
    ],
};
```