

## Working with Filters

Filtering lists is a common task in any web application. Apply the filters below in your React application.

- **mandatory:** Manufacturer, Model, Fuel type.
- **optional:** Construction date, mileage, gearbox, price

### Manufacturer Filter

The manufacturer must always be active, and listed all of manufacturer from Car Park data:

A UI component for the Manufacturer filter. It has a title 'Manufacturer' with an expand/collapse arrow and a search icon. Below the title is a list of manufacturers with checkboxes: BMW (checked), Dacia, Dodge, Ford, Mercedes Benz, Skoda, and Tesla.

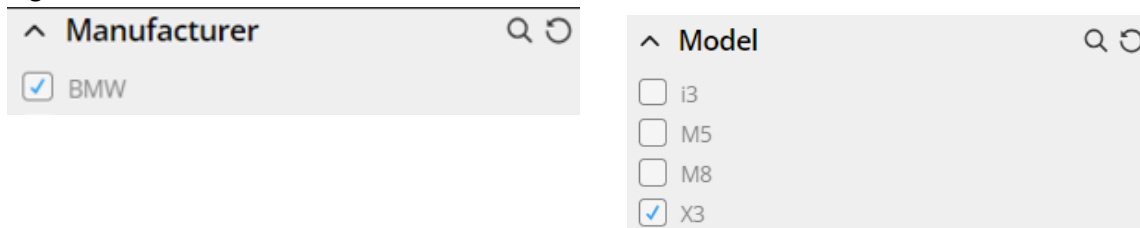
- ☒ BMW
- ☐ Dacia
- ☐ Dodge
- ☐ Ford
- ☐ Mercedes Benz
- ☐ Skoda
- ☐ Tesla

### Model Filter

The model filter must remain inactive until the Manufacturer selection.

Model depends on selected manufacturer, you need to use the filtered manufacturer list to create Model filter options.

E.g:

Two UI components side-by-side. The left one is the 'Manufacturer' filter with 'BMW' selected. The right one is the 'Model' filter with 'X3' selected.

**Manufacturer**

- ☒ BMW

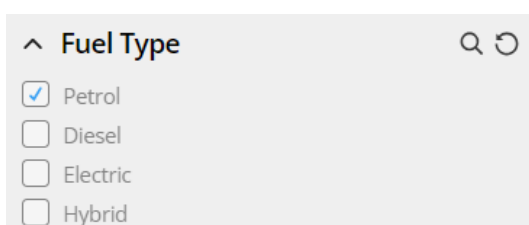
**Model**

- ☐ i3
- ☐ M5
- ☐ M8
- ☒ X3

### Fuel Type Filter

The fuel type filter must always be active, build the filter list according to different logic:

1. **The list isn't filtered by manufacturer**, you need to list all options from Car Park data:

A UI component for the Fuel Type filter. It has a title 'Fuel Type' with an expand/collapse arrow and a search icon. Below the title is a list of fuel types with checkboxes: Petrol (checked), Diesel, Electric, and Hybrid.

- ☒ Petrol
- ☐ Diesel
- ☐ Electric
- ☐ Hybrid

**2. The list is filtered by manufacturer,** the fuel Type depends on selected manufacturer, you need to use the filtered Manufacturer list to create Fuel type filter options.

^ Manufacturer 🔍 ↺

☒ BMW

^ Fuel Type 🔍 ↺

☒ Petrol  
☐ Diesel  
☐ Electric

**3. The list is filtered by model,** the fuel Type depends on selected Model, you need to use the filtered Model list to create Fuel type filter options.

^ Manufacturer

☒ BMW

^ Model

☐ i3  
☐ M5  
☐ M8  
☒ X3

^ Fuel Type 🔍 ↺

☐ Diesel