# Filtering Cabins

* The filter / sort will set the URL STATE
* This will be available from everywhere, so we don’t have to make the Cabins Table a Children of the Filter/Sort Component

# Sort Cabins – sort component

* A dropdown component to allow the user to select by what to sort the Cabins Table
* I will use the MENUS compound component to build this !!!

# Bookings Table

* We get the Bookings table data from Supabase into the app

## Server-Side Filtering of the Bookings Table

* We want to receive Straight from the API only the FILTERED bookings, not all of them and then filter on the client side (like the cabins)
* We will adjust the getBookings() API call to get only the filtered data
* We use the URL state to know how to filter the data by status
* We **PASS the status into the getBookings API call** and filter depending on what the status is

## Server-Side Sorting of the Bookings Table

* We are using the same approach as Server Side Filtering
* We adapt the query for the getBookings with the .order() function

# Pagination

* A simple component to set the current page state to the URL and fetch the a number of rows
* Will approach the same way as the filter and sorting
* We use the **{count:’exact’} query** to get the number of **ALL rows**
* We use **.range(start, end) to** get the exact rows we need

# Prefetching with React Query

* We Fetch the next page before it is actually displayed

### What we do:

* We need the queryClient ( **useQueryClient()**)
* We call **prefetchQuery()** on the **queryClient**
  + **queryClient.prefetchQuery()**
* A screen shot of a computer program

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