**4. Advanced Features**

**4.1 Selection and Multiple Selection**

* **Enable users to interact with specific rows:**
  + Single selection: Choose one row at a time.
  + Multiple selection: Select multiple rows using checkboxes or other methods.
* **Example:**

JavaScript

<DataTable selectionMode="single" onRowSelect={handleRowSelect}>  
 {/\* ... columns and data ... \*/}  
</DataTable>  
  
<DataTable selectionMode="multiple" onRowSelect={handleRowSelect}>  
 {/\* ... columns and data ... \*/}  
</DataTable>

**4.2 Sorting and Filtering**

* **Organize and filter data based on user preferences:**
  + Sorting: Arrange rows in ascending or descending order by clicking column headers.
  + Filtering: Narrow down data based on specific criteria using input fields or dropdowns.
* **Example:**

JavaScript

<DataTable sortMode="single" onSort={handleSort}>  
 {/\* ... columns and data ... \*/}  
</DataTable>  
  
<DataTable filterMode="server" globalFilterFields={['name', 'price']}>  
 {/\* ... columns and data ... \*/}  
</DataTable>

**4.3 Row Editing**

* **Allow users to modify data directly within the DataTable:**
  + Inline editing: Edit values directly in cells.
  + Dialog editing: Open a separate dialog to edit row details.
* **Example:**

JavaScript

<DataTable editingMode="row" onRowEditStart={handleRowEditStart}>  
 {/\* ... columns and data ... \*/}  
</DataTable>

**4.4 Column Reordering and Resizing**

* **Customize the layout of the DataTable:**
  + Reordering: Drag and drop columns to change their order.
  + Resizing: Adjust column widths by dragging column separators.
* **Example:**

JavaScript

<DataTable reorderableColumns={true} resizableColumns={true}>  
 {/\* ... columns and data ... \*/}  
</DataTable>