### **Objective:**

Develop a React application that displays a structured table using the Material UI DataGrid component. The table should be populated with mock data fetched from an online mock server. The data represents product details with multiple associated unit measurements.

### **Instructions:**

#### **2. Mock Data Configuration:**

* Use json-server to set up a mock API.
* Save the provided JSON data in a file named db.json.
* Modify ThirdPartyInvoiceDetailId values to be unique strings.
* Run the mock server:  
  npx json-server --watch db.json --port 5000

#### **3. Implement the DataGrid Component:**

* Fetch data from http://localhost:5000/ResultObject.
* Display products in a hierarchical format:
  + Each product should be a parent row.
  + Each ThirdPartyInvoiceDetailProductUnitOfMeasures entry should be a child row.
* Include five text fields for each unit of measure:
  + Ordered
  + Shipped
  + Weight
  + Price
  + Extended Price
* Ensure responsiveness.

#### 

#### **4. Functional Requirements:**

* Data should load dynamically from the mock API.
* Each text field should be editable.
* Use DataGrid from MUI for table rendering.
* Display dropdown for invoice status selection.

Sample response object:

{

"ResultObject": [

{

"ThirdPartyInvoiceDetailId": null,

"LineType": 0,

"ThirdPartyVendorProductId": "1613e1e0-4bf1-4058-ae6d-3ef274eced29",

"ThirdPartyVendorId": "3b3b4551-fc2d-475f-86e7-3d9674203a5a",

"ProductDescription": "test",

"Brand": "123",

"ManufacturererNumber": "123",

"UPC": "123",

"IsProductVisible": false,

"ChangeDate": "2024-12-03T19:11:19.577",

"ChangeUserName": "rfs test",

"ChangeCustomerId": "b83e2317-8614-4b26-8b76-5c811edf6065",

"IsOnList": false,

"ThirdPartyInvoiceDetailProductUnitOfMeasures": [

{

"ThirdPartyUnitOfMeasureType": 8,

"ThirdPartyUnitOfMeasureTypeAbbreviation": "LB",

"ThirdPartyUnitOfMeasureTypeName": "Pound",

"ProductNumber": "test",

"QuantityOrdered": null,

"QuantityShipped": null,

"Weight": null,

"PricePerCase": null,

"ExtendedPrice": null

}

]

},

{

"ThirdPartyInvoiceDetailId": null,

"LineType": 0,

"ThirdPartyVendorProductId": "35498f67-46aa-431b-b914-4b233122b07f",

"ThirdPartyVendorId": "3b3b4551-fc2d-475f-86e7-3d9674203a5a",

"ProductDescription": "not ok",

"Brand": "",

"ManufacturererNumber": "",

"UPC": "",

"IsProductVisible": false,

"ChangeDate": "2025-01-21T14:40:09.24",

"ChangeUserName": "Brian OConnor",

"ChangeCustomerId": "b83e2317-8614-4b26-8b76-5c811edf6065",

"IsOnList": false,

"ThirdPartyInvoiceDetailProductUnitOfMeasures": [

{

"ThirdPartyUnitOfMeasureType": 1,

"ThirdPartyUnitOfMeasureTypeAbbreviation": "EA",

"ThirdPartyUnitOfMeasureTypeName": "Each",

"ProductNumber": "notok12",

"QuantityOrdered": null,

"QuantityShipped": null,

"Weight": null,

"PricePerCase": null,

"ExtendedPrice": null

},

{

"ThirdPartyUnitOfMeasureType": 7,

"ThirdPartyUnitOfMeasureTypeAbbreviation": "QT",

"ThirdPartyUnitOfMeasureTypeName": "Quart",

"ProductNumber": "custom12",

"QuantityOrdered": null,

"QuantityShipped": null,

"Weight": null,

"PricePerCase": null,

"ExtendedPrice": null

}

]

},

{

"ThirdPartyInvoiceDetailId": null,

"LineType": 0,

"ThirdPartyVendorProductId": "f2a190fa-630b-486b-a141-94f6ae2ffa44",

"ThirdPartyVendorId": "3b3b4551-fc2d-475f-86e7-3d9674203a5a",

"ProductDescription": "ok",

"Brand": "",

"ManufacturererNumber": "",

"UPC": "",

"IsProductVisible": false,

"ChangeDate": "2025-02-27T15:43:17.607",

"ChangeUserName": "v rfs",

"ChangeCustomerId": "b83e2317-8614-4b26-8b76-5c811edf6065",

"IsOnList": false,

"ThirdPartyInvoiceDetailProductUnitOfMeasures": [

{

"ThirdPartyUnitOfMeasureType": 5,

"ThirdPartyUnitOfMeasureTypeAbbreviation": "FL OZ",

"ThirdPartyUnitOfMeasureTypeName": "Fluid Ounce",

"ProductNumber": "ok12",

"QuantityOrdered": null,

"QuantityShipped": null,

"Weight": null,

"PricePerCase": null,

"ExtendedPrice": null

}

]

}

],

"IsSuccess": true,

"ErrorMessages": [],

"InformationMessages": [],

"SupportMessages": []

}

Screen should look like:  
