LWC Practice tasks

Created by: Sahil Raje
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Task 1: Basic list of Records

1. November 8th 2021
   -- Create a reusable component which has a list of the recently created 10 accounts, in descending order of created date.
   -- There should be a horizontal line before the starting and ending of the list.
   -- There should be a UI element which shows the count (10) of the account list, in the header of the component.
   -- Truncate long names in the list with 3 trailing dots (...)
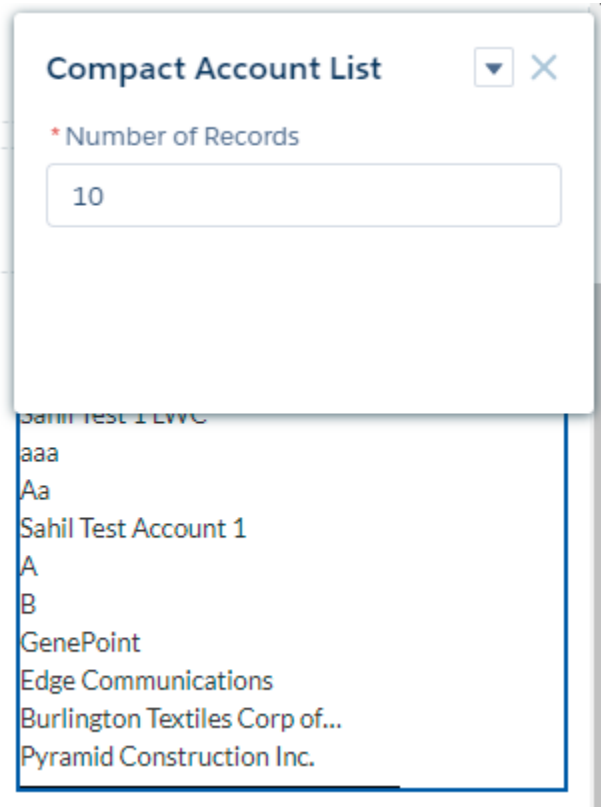   (The enclosing border is just for reference. Do not include it in the actual component)

(Hint) Use LWC iterator for horizontal lines. Used for records as well as horizontal lines.

09-11-21:

- Add a configurable builder property in the above component: noOfRecords, type: Integer, required: true, which sets the value of the number of records to fetch from the Account object.

On adding the builder property, the component will look like the following in edit page mode:

- Send noOfRecords parameter to the Apex Controller, and based on its value, query that many records from the object and return the list to the front-end.

Compact Account List   ▼ ✕

*Number of Records

10

Sahil Test 1 LWC
aaa
Aa
Sahil Test Account 1
A
B
GenePoint
Edge Communications
Burlington Textiles Corp of...
Pyramid Construction Inc.

18-11-21:

Add more builder properties:

1. badgeColor, of type Color. Whichever color has been selected, this property will set the same background color of the badge.

    Property with type: Color will only work if the target is lightningCommunity__Default. (As of 19-11-21).

    Instead of adding target: lightningCommunity__Default, you can change the badgeColor property to type String and specify color values as strings (hex values, HTML color name, rgba value). This will give the desired result.

2. objectName, which should be a picklist with values: Account, Opportunity, Contact and Case. Whichever value has been selected in the picklist, records of that object must be displayed in the component.

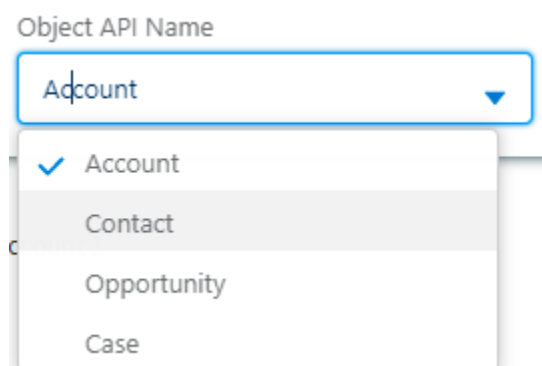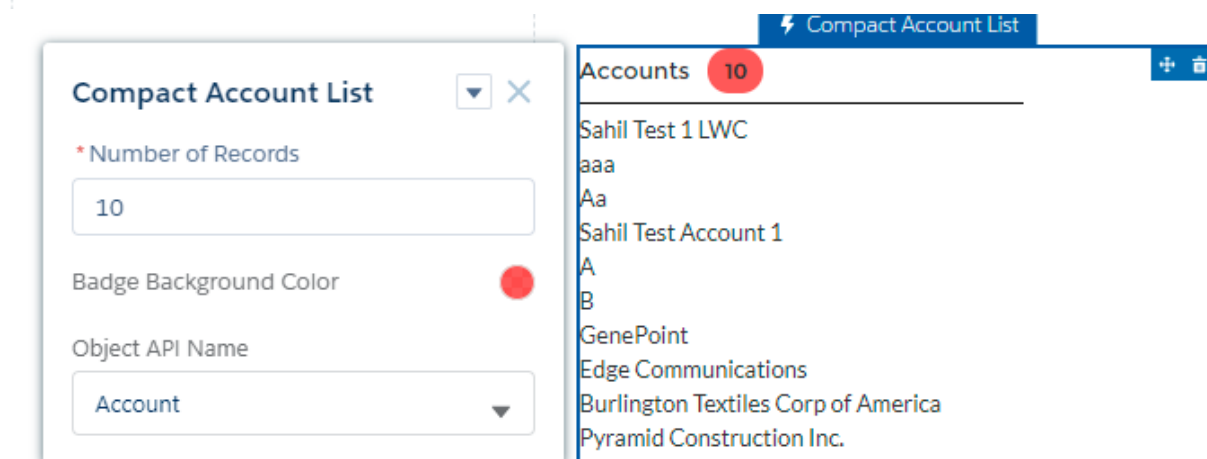   Hint: Send the objectName to the Apex Controller and build a query dynamically.
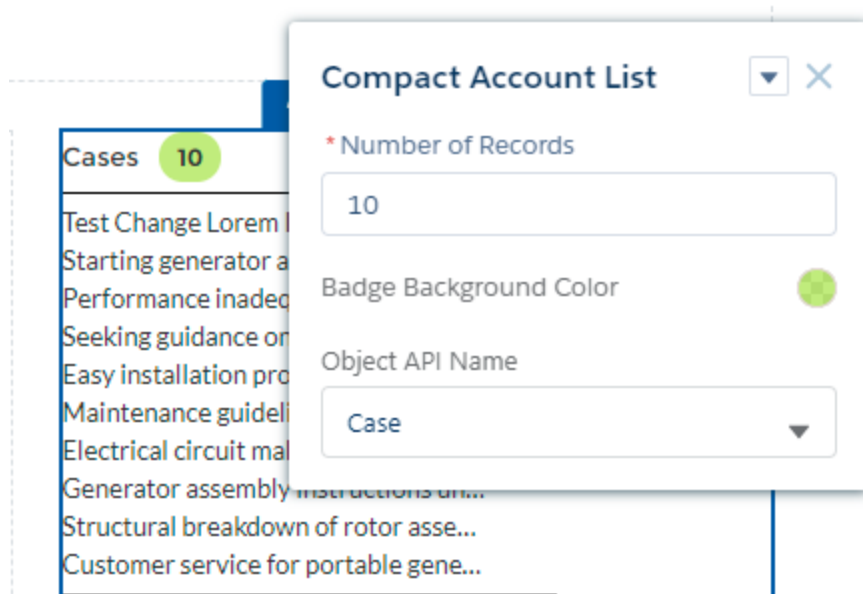
    2. Create a new list by using a dummy query:

    List<SObject> sobjs = database.query('Select Id From Account Limit 0');

    Solution 2 is a bit better if you're handling dynamic content because you can pass in a string to the query which can be set at runtime.

3. noOfRecords property mentioned in the above assignment should also work as was previously working.

Screenshots:

Compact Account List

*Number of Records

10

Badge Background Color

Object API Name

Case

Cases 10

Test Change Lorem I
Starting generator a
Performance inaded
Seeking guidance or
Easy installation pro
Maintenance guideli
Electrical circuit mal
Generator assembly instructions un...
Structural breakdown of rotor asse...
Customer service for portable gene...

Compact Account List

*Number of Records

10

Badge Background Color

Object API Name

Account

⚡ Compact Account List

Accounts 10

Sahil Test 1 LWC
aaa
Aa
Sahil Test Account 1
A
B
GenePoint
Edge Communications
Burlington Textiles Corp of America
Pyramid Construction Inc.

Object API Name

Account

✓ Account

Contact

Opportunity

Case

Reference:

XML Configuration File Elements - Salesforce Lightning Component Library

[How can I instantiate a List<Sobject>??????? - Salesforce Developer Community](#)

Task 2: Lightning Datatable

- Column Sorting

    - Add functionality to Sort the Account Name column in ascending (a-z) or descending (z-a) alphabetical order, when the sort icon in the column header is clicked
    - Add functionality to sort AnnualRevenue column in ascending or descending order, when the sort icon in the column header is clicked

- Perform action on Selected rows

    - Enable checkboxes for the datatable
    - Add a button below the datatable, with Label: Increase Revenue
    - Implement functionality to increase revenue of selected Account records by 5%, by selecting the checkboxes and clicking on Increase Revenue button. (Hint: Selected Account Ids must be sent to the backend and their annual revenue values must be updated to annualRevenue + 0.05 * annualRevenue)
    - Lightning datatable must be refreshed with the latest values

Task 3: Pubsub model with Lightning Datatable
- Filters

Task 4: Lightning Message Service with Lightning Datatable
- Filters

Task 5: Lightning UI Record API
- lightning-record-view-form
- lightning-record-edit-form

Task 6: Case Kanban View in LWC

Task 7: Basic Front-end Pagination
- 2 buttons: Previous and Next

Task 8: Pagination with Lightning datatable and Apex
- Number of pages to display
- First page and Last page buttons

Task 9: Send email using LWC and Apex

Email Recipients

This message will automatically
go to the following people:

Add an Individual Recipient

| michael@bluth.com | + |

∨ Individuals

sahil.raje@gmail.com   ✕

paritosh.gharpure@gmail.com   ✕

Message

Subject

| Input Text |

Body

| Salesforce Sans ▾ | 12 ▾ | B | I | U | S | ☰ | ☷ | ⇥ | ⇤ | ☰ | ☰ | ☰ | 🔗 | 🖼 | T̲ₓ |

Send