

Pagination Aura Component — Detailed Explanation —

Component Declaration

This part declares the Aura component and attaches the Apex controller 'PaginationController'.

Attributes

- contacts : List of Contact records to display in the datatable.
- columns : Column configuration definitions.
- pageNumber and pageSize : keep track of current page number and number of records per page.
- totalRecords and totalPages : metadata to support pagination.
- pageList : list of page numbers for rendering pagination buttons.

Init Handler

Executes the JavaScript controller method loadData when the component initializes, so the Contact records

Component Declaration

lightning:datatable displays the list of Contact records using v.contacts and column definitions from v.colu

Pagination Buttons (Previous and Next)

These buttons allow users to navigate between pages. Previous is disabled on the first page, Next is disab

Page Number Buttons

aura:iteration loops over pageList and creates a button for each page number. The current page uses var

Summary

This Aura component fetches Contact records and enables page navigation using Previous, Next and num

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<aura:component controller="PaginationController" access="global">

    <!-- Attributes -->
    <aura:attribute name="contacts" type="Contact[]" />
    <aura:attribute name="columns" type="List" />
    <aura:attribute name="pageNumber" type="Integer" default="1" />
    <aura:attribute name="pageSize" type="Integer" default="5" />
    <aura:attribute name="totalRecords" type="Integer" />
    <aura:attribute name="totalPages" type="Integer" />
    <aura:attribute name="pageList" type="Integer[]" />

    <aura:handler name="init" value="{! this }" action="{! c.loadData }"/>

    <!-- Records Table -->
    <lightning:datatable data="{! v.contacts }"
        keyField="Id"
        columns="{! v.columns }"/>

    <!-- Pagination Buttons -->
    <div class="slds-m-top_medium">
        <lightning:button label="Previous"
            onclick="{! c.prevPage}"
            disabled="{! v.pageNumber == 1 }"/>

        <aura:iteration items="{! v.pageList }" var="p">
            <lightning:button
                label="{! p }"
                variant="{! p == v.pageNumber ? 'brand' : 'neutral' }"
                onclick="{! c.gotoPage }">
                <aura:set attribute="value" value="{! p }"/>
            </lightning:button>
        </aura:iteration>

        <lightning:button label="Next"
            onclick="{! c.nextPage}"
            disabled="{! v.pageNumber == v.totalPages }"/>
    </div>
</aura:component>

```