

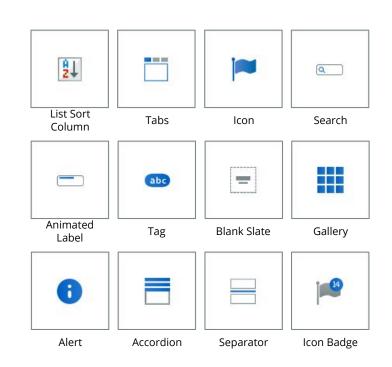
Topics

- OutSystems UI
 - UI Patterns
- RichWidgets
 - List_Navigation
 - List_SortColumn

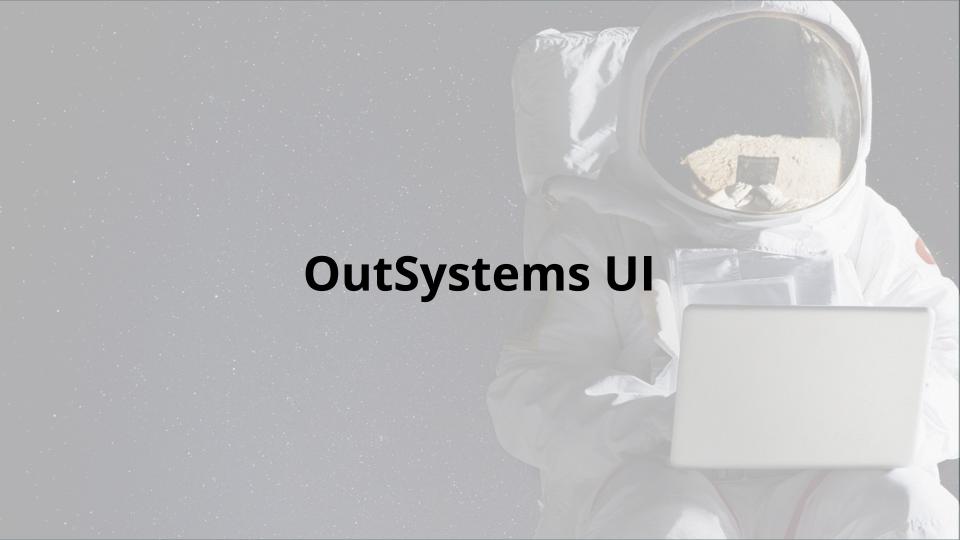


Advanced UI Patterns

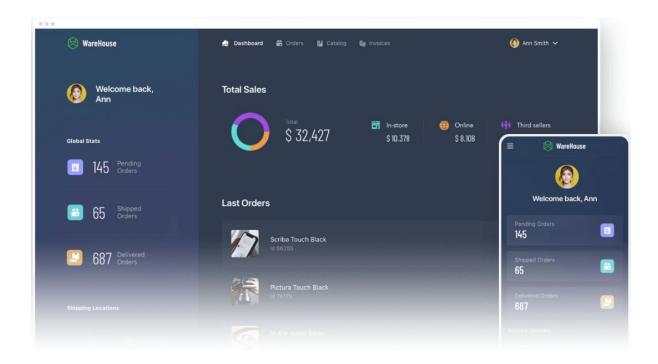
- OutSystems UI
 - UI Framework for web and mobile apps
 - 100+ UI Patterns and Screens
- Rich Widgets
 - Groups of Widgets, Themes and Actions
- Widgets are present in the Service Studio Toolbar







OutSystems UI

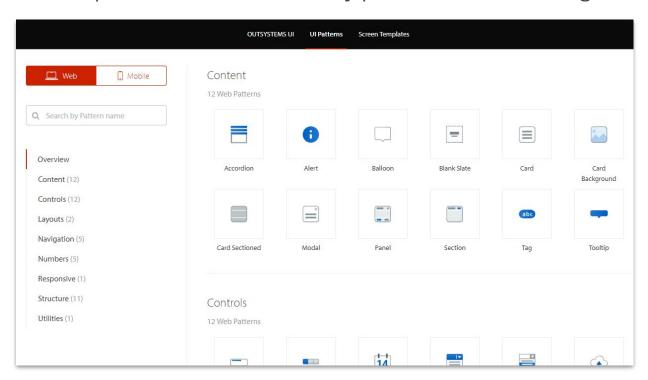


https://www.outsystems.com/outsystems-ui/



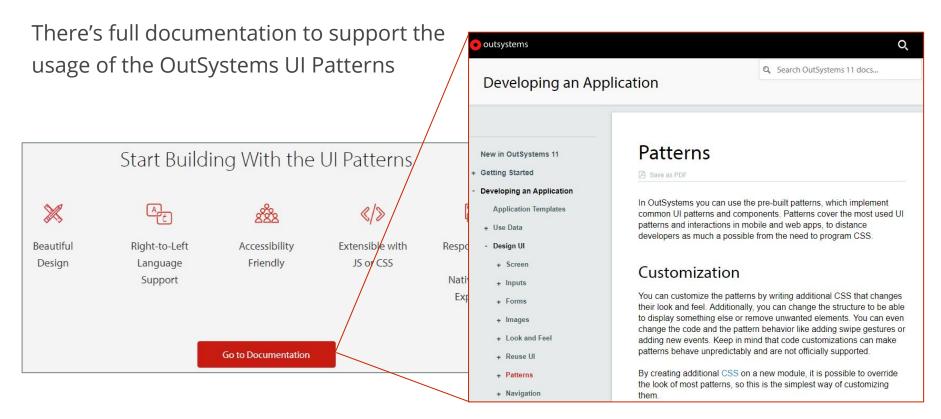
UI Patterns

Pre-built UI patterns that can be easily placed in Screens (drag & drop)





UI Patterns Documentation





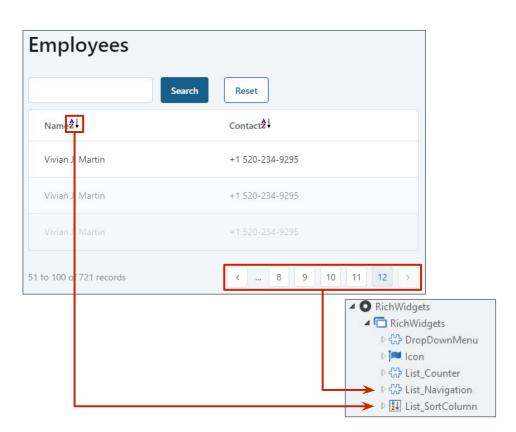


Rich Widgets

Additional Widgets for common functionalities in Web applications

Examples of RichWidgets patterns

- DropDownMenu
- Icon
- List_Navigation
- List_SortColumn



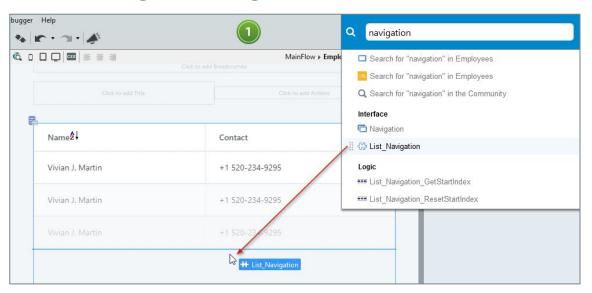


List_Navigation

Navigator for a Table Records with multiple pages

Shows a defined number of elements per page

Drag and drop the **List_Navigation** Widget below the Table Records



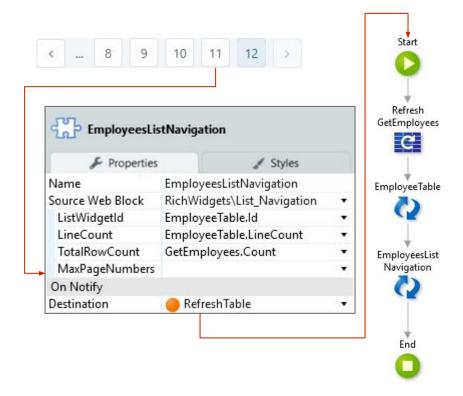


List_Navigation properties

Set the List_Navigation properties

- ListWidgetId: Associate it with the Table Records
- LineCount: Number of records displayed per page
- TotalRowCount: Total number of records returned by the query
- OnNotify: Action to execute when a page is selected
 - Refresh the Data Source and the







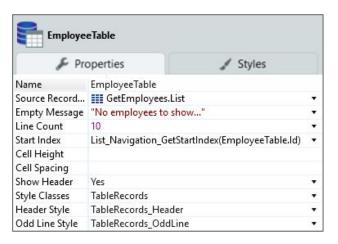
List_Navigation in the Table Records

Set the **Start Index** to depend on the List_Navigation

- The displayed elements are influenced by the page clicked on the navigator
- List_Navigation_GetStartIndex(<TableRecordsName>.ld)

Function retrieves from session the page clicked and calculates the starting index

Depends on the Line Count of the Table Records

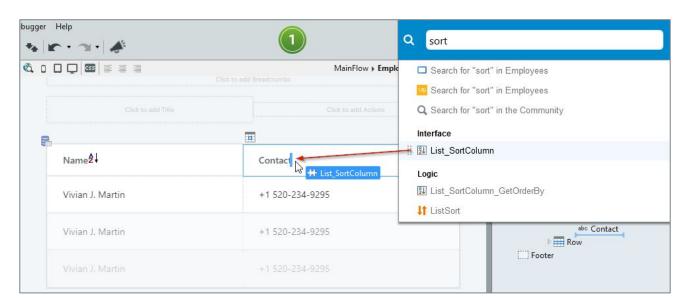




List_SortColumn Widget

Defines dynamic sorting in Table Records columns

Drag and drop the **List_SortColumn** Widget next to the header to be sorted



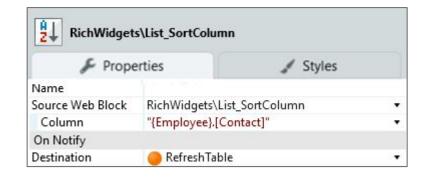


List_SortColumn properties

Set the **Column** to "{EntityName}.[AttributeName]"

Set the **OnNotify** destination to a Screen Action

- Action triggered when clicking on the Table Records header
- Refresh the Table Records' data source and the Table Records widget



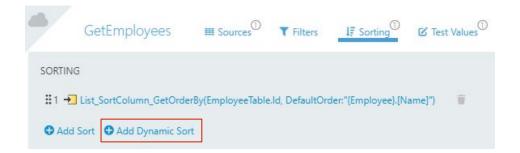


List_SortColumn input variable in the Aggregate

In the Aggregate used as source of the Table Records:

- Add a dynamic sort
- Set the Expression to:
 List_SortColumn_GetOrderBy(<TableRecordsName>.Id, DefaultOrder: "{EntityName}.[AttributeName]")

This function retrieves the column to sort by from the session





Summary

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 - List_Navigation
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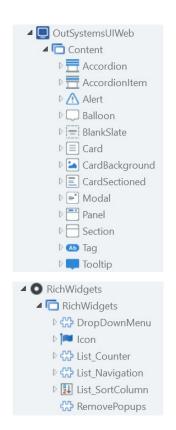




Advanced UI Patterns

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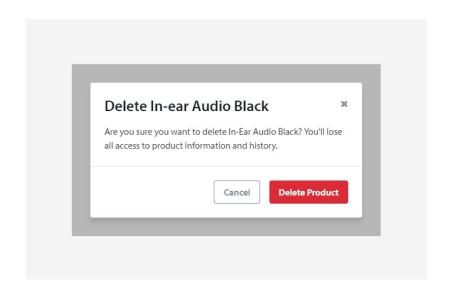






Modal

- Similar to a Popup
- Interrupts the end-user to demand an Action
 - Important when a confirmation is required
 - Relevant when manipulating critical information
- Consists on
 - Modal Pattern
 - ToggleModal Server Action





Using the Modal

- Drag the Model pattern to your
 Screen and edit it to your needs
- Toggle Model Action opens / closes the Modal window
 - e.g. if Modal is open, the Toggle closes it
 - To be used in a Preparation or Screen Action
 - WidgetId expects the Id of the Modal
 - Modal must have a name

