

Displaying Data on Screens



Data on Screens

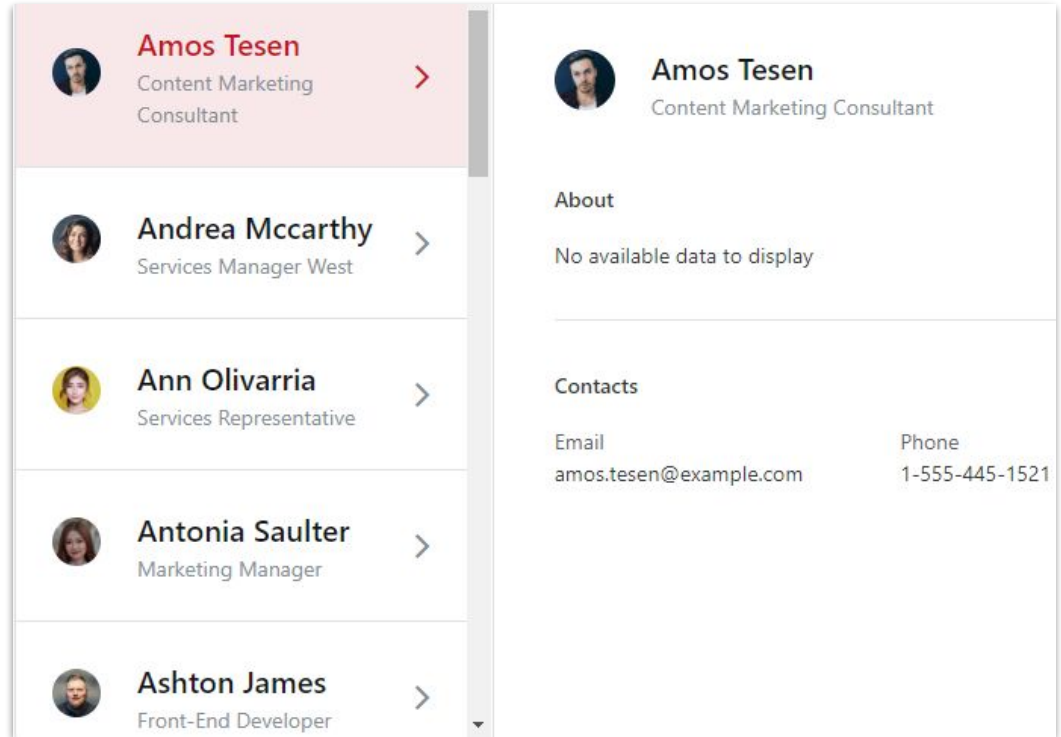
Fetching Data from Database

Fetching Data from Other Sources

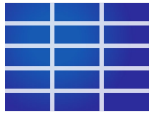
Widgets to Display Data

Data on Screens

- Screens often need to display data
- Data can be fetched from:
 - Database
 - Other Sources
- Widgets are used to display data on Screen



Data Action



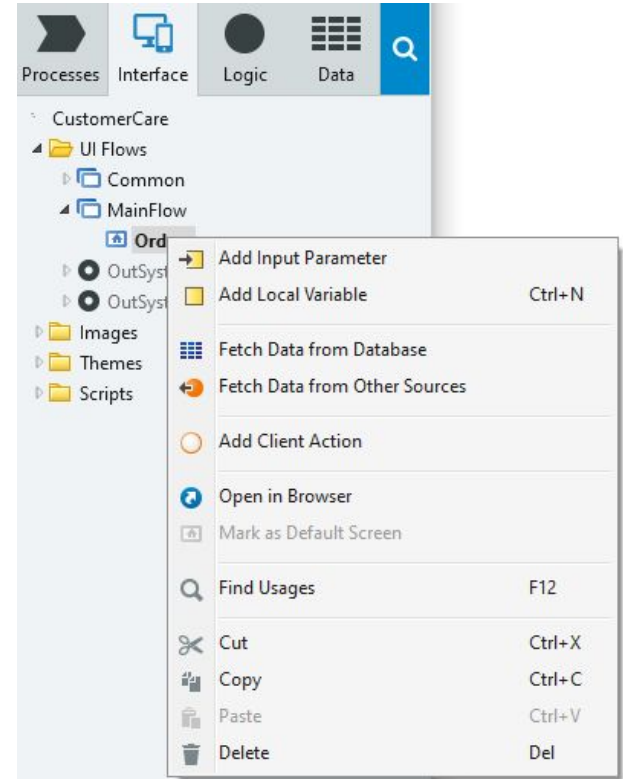
Screen Aggregate (Database)

Visually defined like any other Aggregate



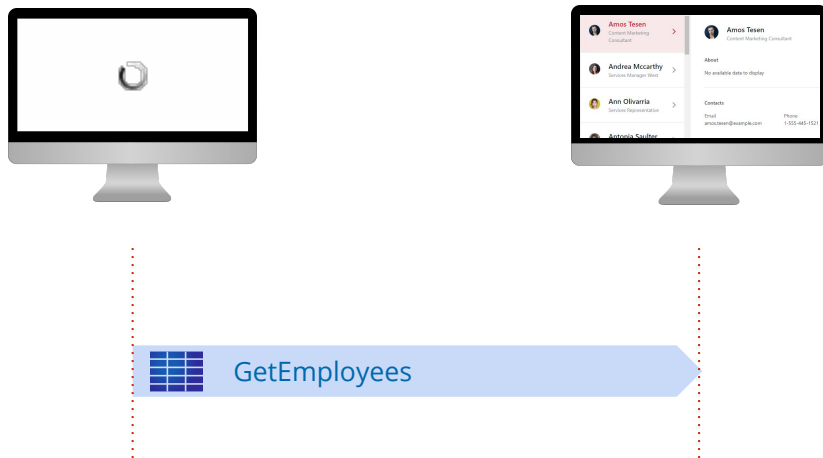
Data Action

Retrieve data from external systems (e.g. REST)
Custom logic (e.g. Advanced SQL Queries)




When is Data Fetched?


- Aggregates / Data Actions start executing when the Screen is initializing
 - Asynchronously and in parallel
- When data is available the Screen renders automatically to display it





Widgets to Display Data


Widgets are used to display the data fetched on the Screen

**Amos Tesen**
Content Marketing
Consultant >

**Andrea
McCarthy**
Services Manager West >

**Ann Olivarria**
Services Representative >

**Antonia Saulter**
Marketing Manager >

**Andrea McCarthy**
Services Manager West [Edit Profile](#)

About

Experienced and "fearless" cold-caller and expert presenter, negotiator and closer! Enjoys working with clients. My aim is to serve well and on time.

Contacts




Email	Phone
andrea.mccarthy@example.com	1-555-445-1521

Widgets to Display Data

Widgets are used to display the data fetched on the Screen

The screenshot displays a software interface with a sidebar on the left containing various widget options: Text, Expression, Table, List, List Item, Form, Label, Input, Text Area, Switch, Checkbox, Dropdown, Upload, Button, Button Group, and Link. The main content area is titled "Employees List" and shows a list of three entries, each with a red circular profile picture containing the letters "JD", the name "Andrea Mccarthy", and the title "Services Manager West". A blue selection box highlights the first entry. To the right of the list is a detailed profile view for "Andrea Mccarthy", "Services Manager West", featuring an "Edit Profile" button, an "About" section with a description, and a "Contacts" section with email and phone information.

Employees List

xy Expression
 Andrea Mccarthy Services Manager West
 Andrea Mccarthy Services Manager West
 Andrea Mccarthy Services Manager West

Andrea Mccarthy
Services Manager West [Edit Profile](#)

About

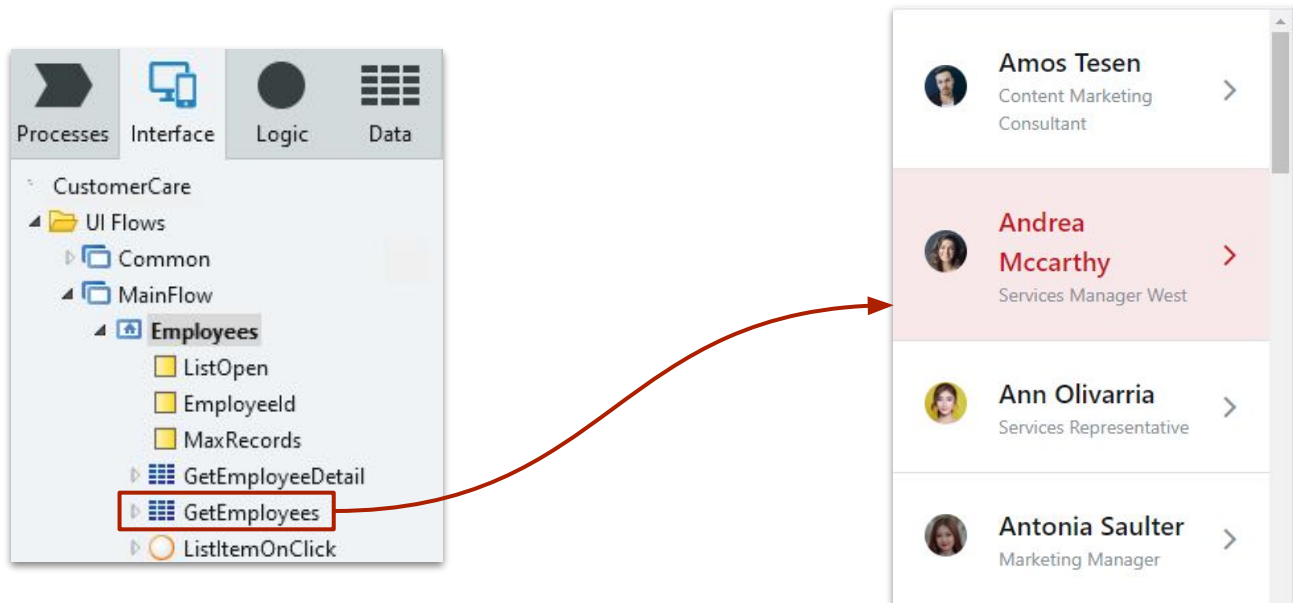
Experienced and "fearless" cold-caller and expert presenter, negotiator and closer! Enjoys working with clients. My aim is to serve well and on time.
No available data to display

Contacts

Email	Phone
andrea.mccarthy@observ everything.example	+1-555-445-1521

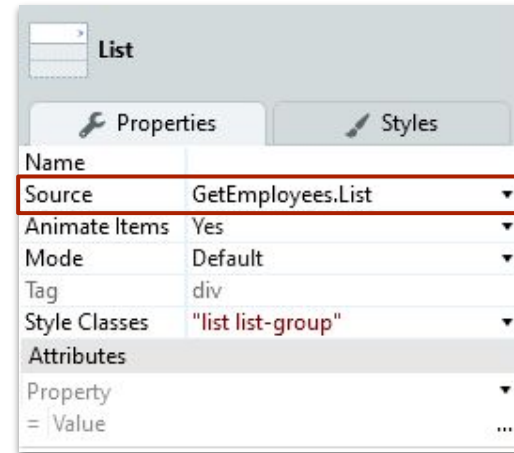
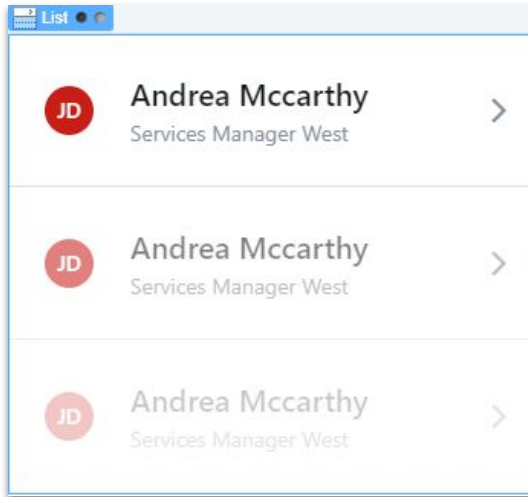
Binding the Data to the Widgets

Having the data and the widgets, we just need to bind them together



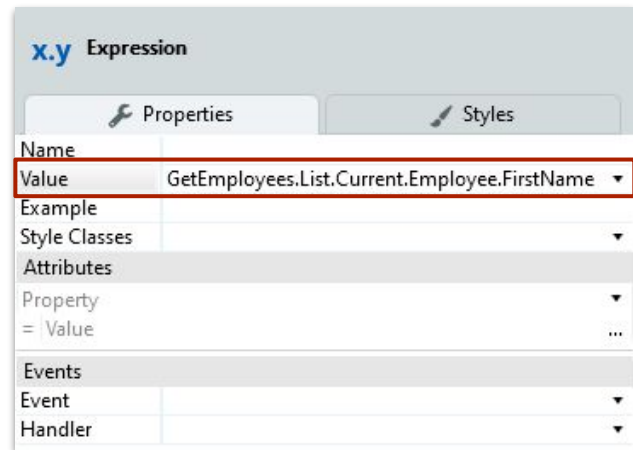
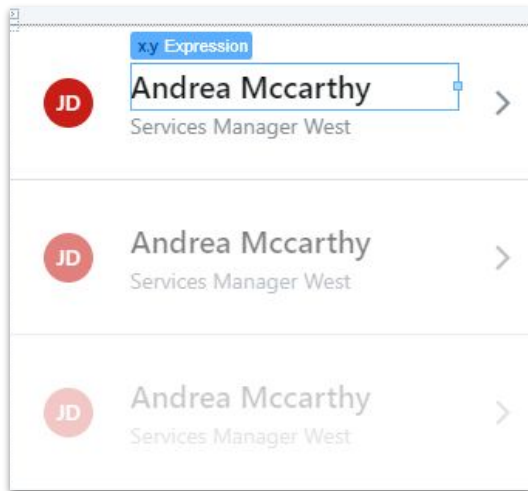
Displaying Sets of Data

Source property to select the list of elements to display



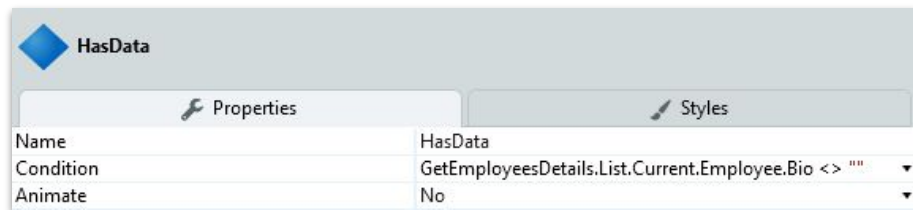
Displaying a Specific Attribute

The attribute value is fetched from the Aggregate / Data Action output



Displaying Data Based on a Condition

The **If** widget can be used to display content based on a condition.



1 True branch

2 False branch

Questions?

Thank you
