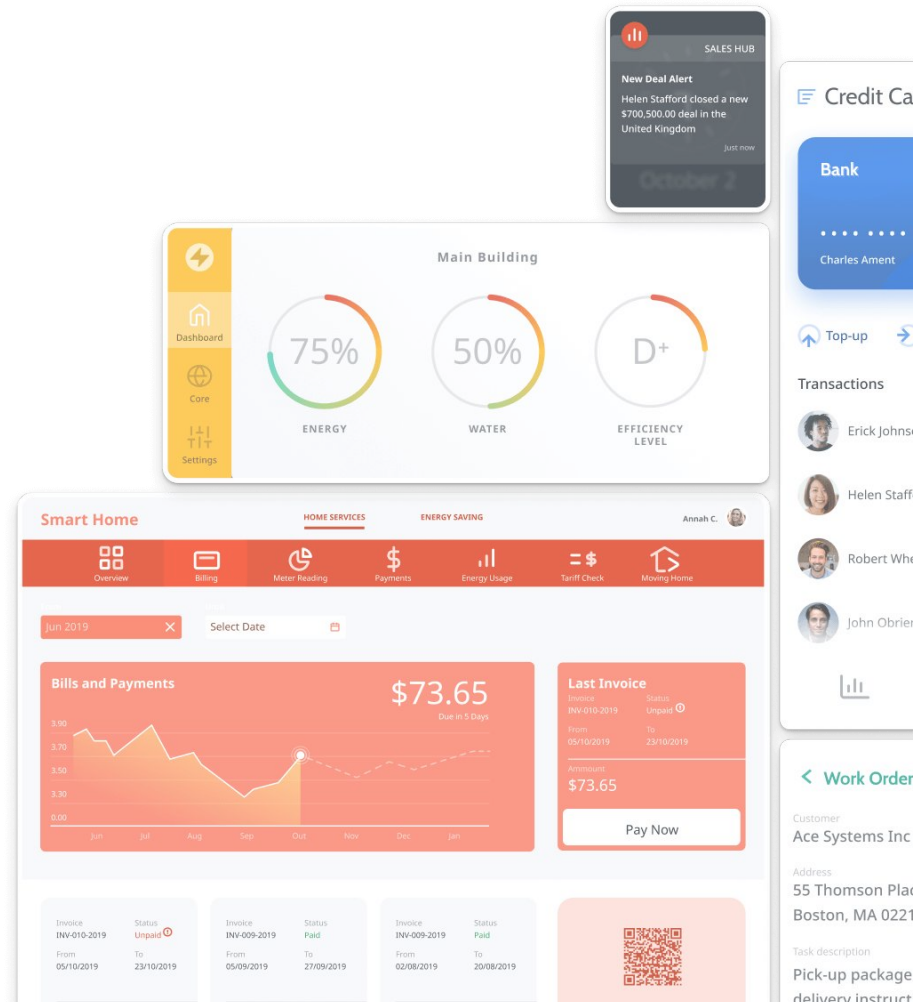# outsystems

Displaying Data on Screens

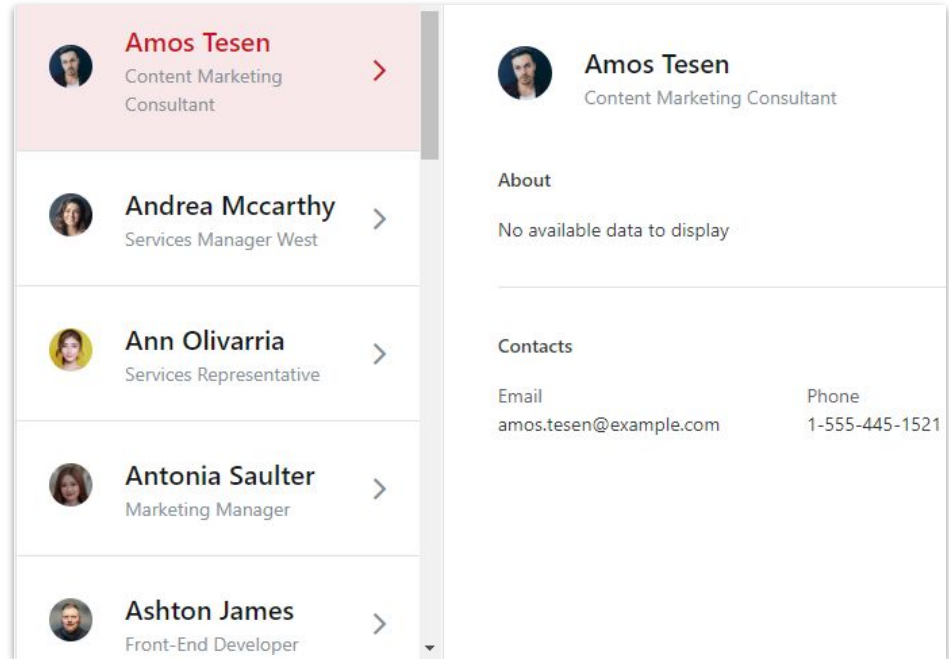Reactive Developer Boot Camp
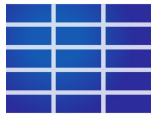
What you will learn here

- 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
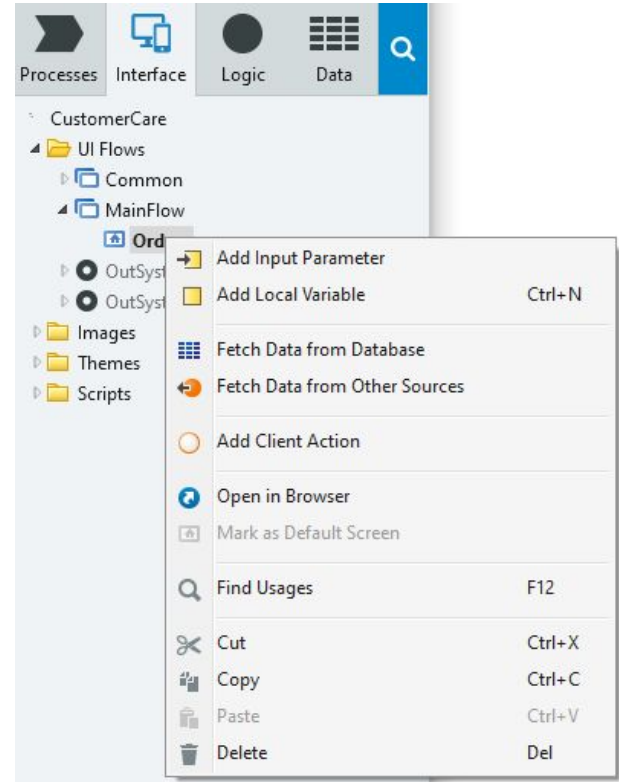
Data Action

Screen Aggregate (Database)

Visually defined like any other Aggregate
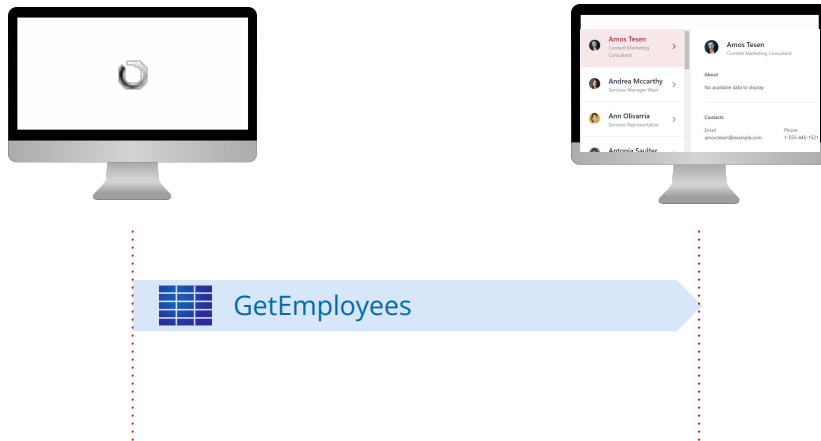
Data Action

Retrieve data from external systems (e.g. REST)

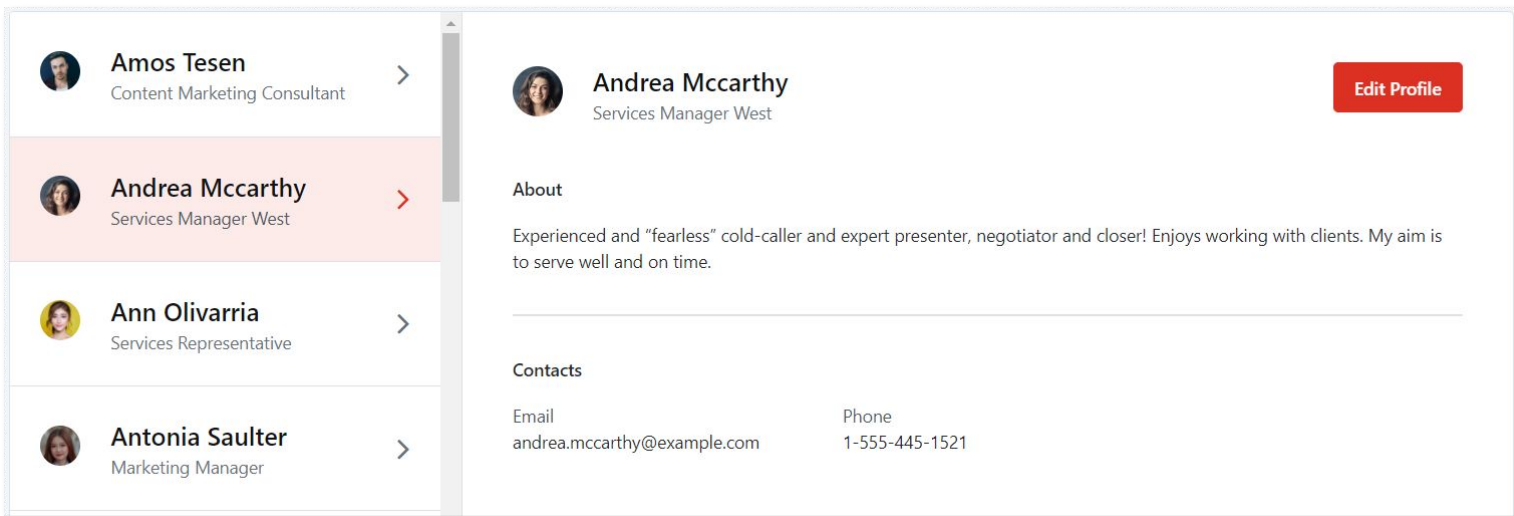Custom logic (e.g. Advanced SQL Queries)

When is Data Fetched?

- Aggregates / Data Actions start executing when the Screen is initializing
    - Asynchronously and in parallel

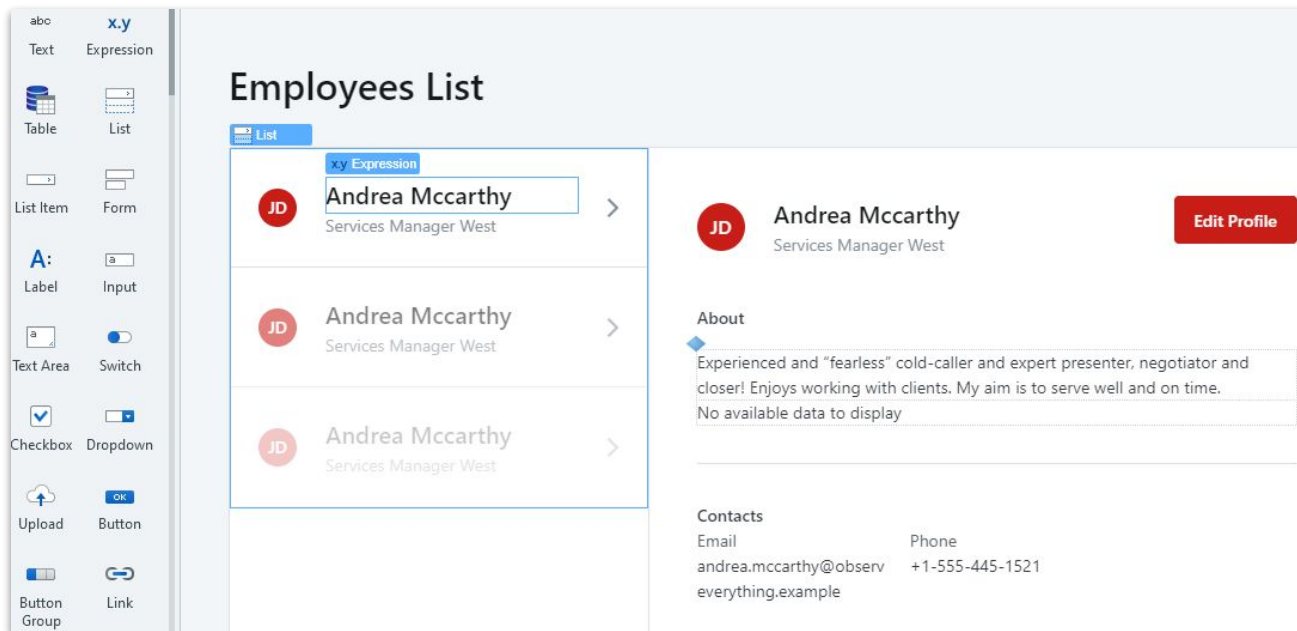- When data is available the Screen renders automatically to display it

GetEmployees

Widgets to Display Data

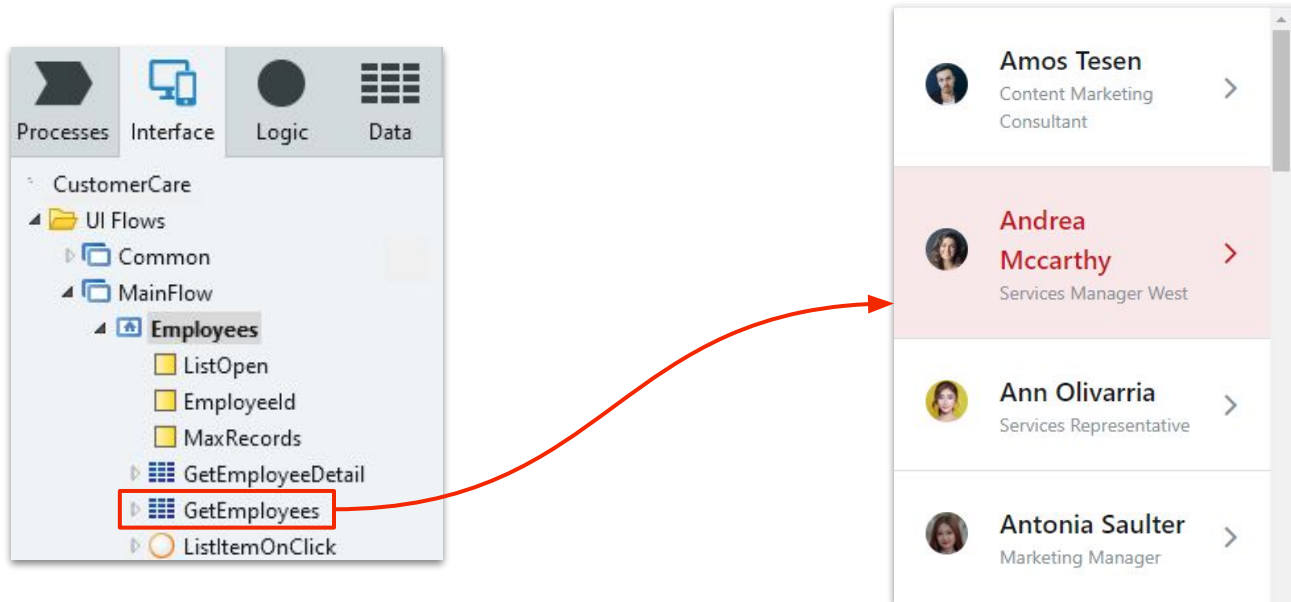Widgets are used to display the data fetched on the Screen

Widgets to Display Data

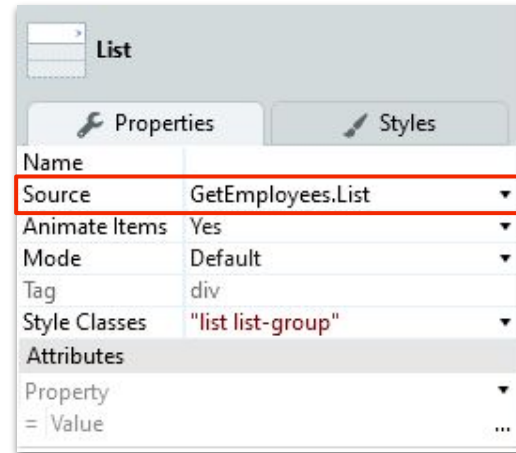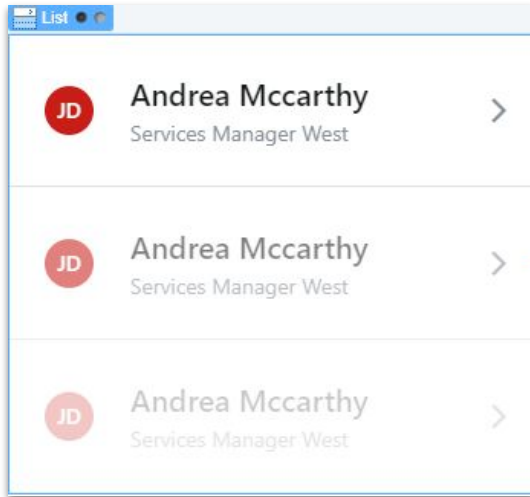Widgets are used to display the data fetched on the Screen

Binding the Data to the Widgets

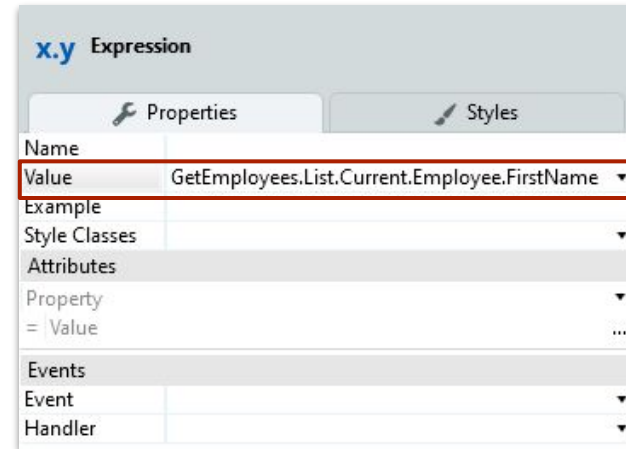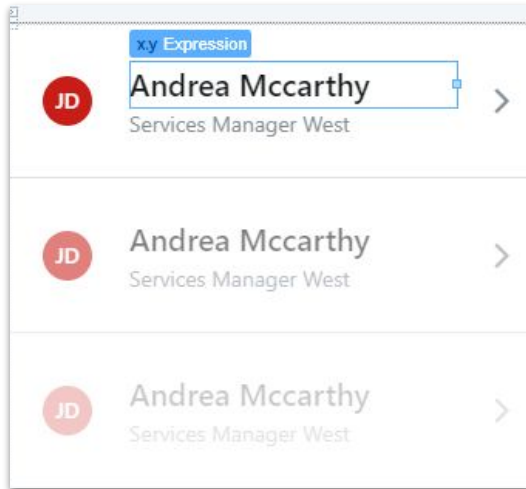Having the data and the widgets, we just need to bind them together

Displaying Sets of Data

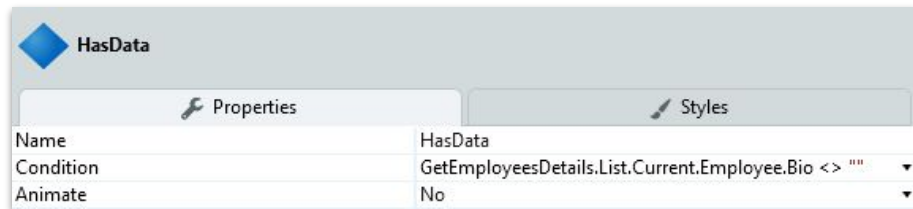Source property to select the list of elements to display

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

outsystems

Questions?

outsystems

Thank You!