



Fetching Data On Demand

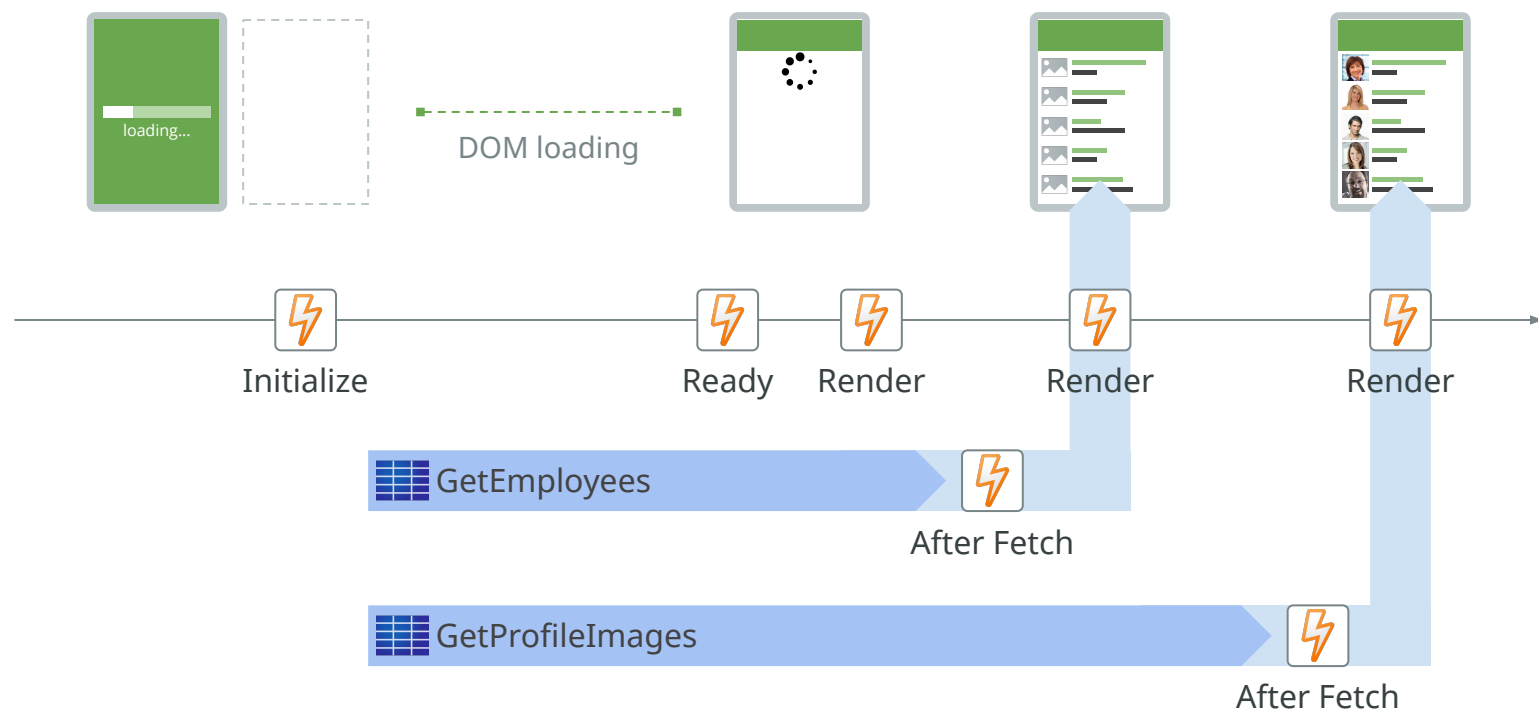
Screen Lifecycle Overview

Fetch At Start

Fetch Only On Demand

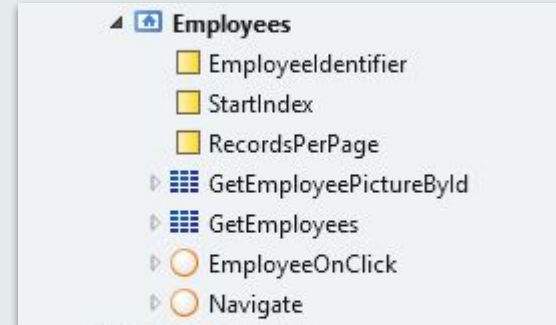
Triggering Aggregates On Demand

Screen Lifecycle



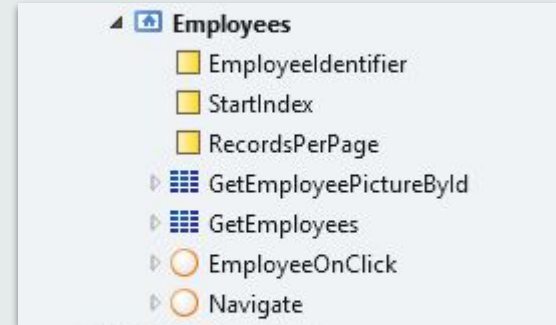
Screen Aggregates

- Aggregates can be defined at the Screen level
 - Widgets have access to the output data of Aggregates



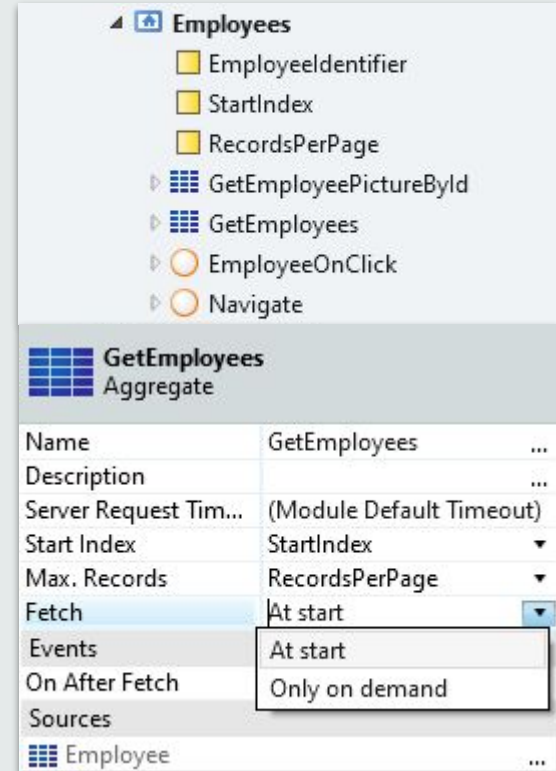
Screen Aggregates

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Screen Aggregates

- Aggregates can be defined at the Screen level
 - Widgets have access to the output data of Aggregates
- By default, there's no guarantee which aggregate will finish first
- Aggregates have a Fetch property
 - At Start
 - Only on demand



Fetch At Start

- Fetch property by default is set to At Start
- The **At start** option defines that the Screen Aggregates are triggered automatically when the screen is initializing

The screenshot shows the configuration for the 'Employees' screen. The 'GetEmployees' aggregate is selected, and its properties are displayed in a table. The 'Fetch' property is highlighted with a red box and set to 'At start'.

GetEmployees Aggregate	
Name	GetEmployees
Description	
Server Request Tim...	(Module Default Timeout)
Start Index	StartIndex
Max. Records	RecordsPerPage
Fetch	At start
Events	
On After Fetch	
Sources	
Employee	

Scenario

Orders

Lawrence Ricci

William Lavender

Joyce Cabrera

Thaddeus Oliver

Shelly Harris

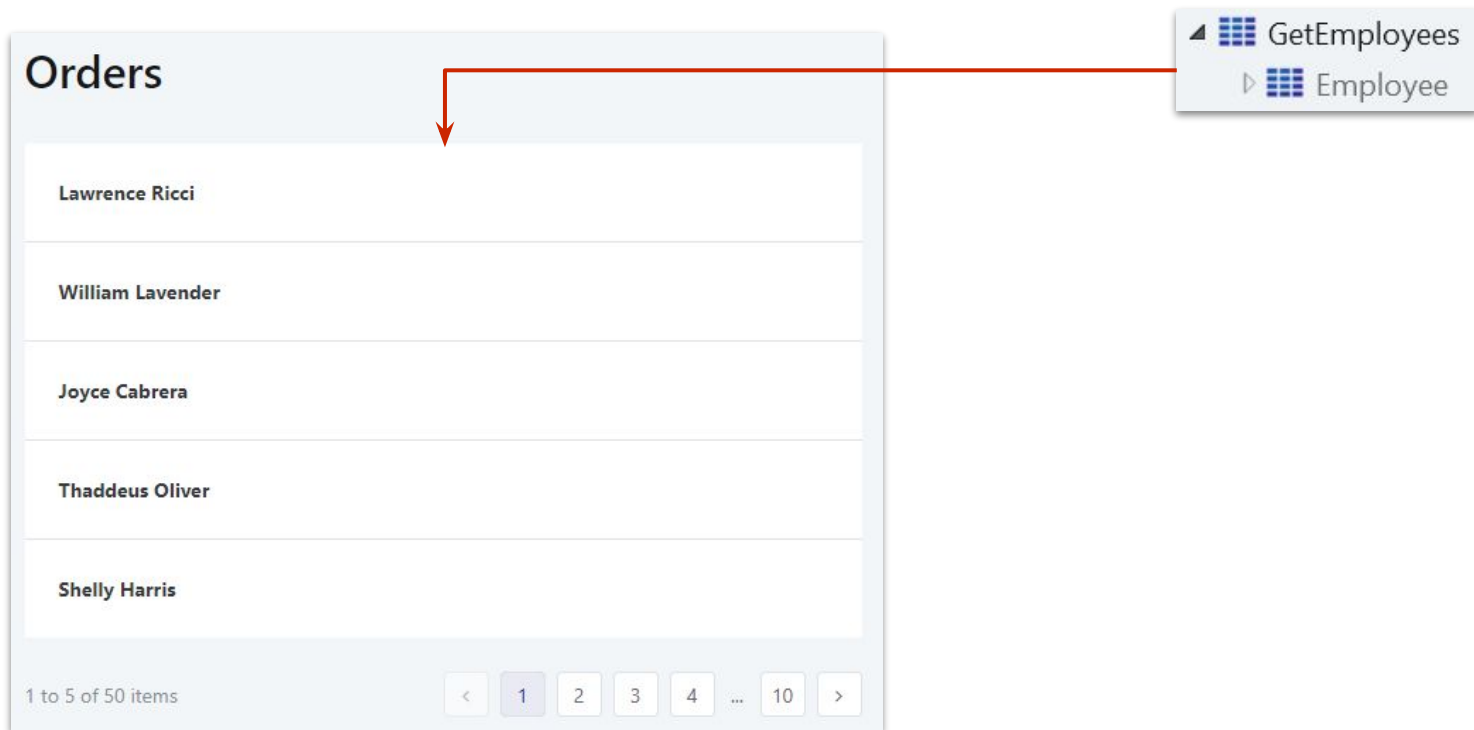


Select an Employee from the left.


1 to 5 of 50 items



Scenario



Scenario

Orders	
Lawrence Ricci	
William Lavender	
Joyce Cabrera	
Thaddeus Oliver	
Shelly Harris	
1 to 5 of 50 items	
<div><1234...10></div>	

Scenario

Orders

Lawrence Ricci

William Lavender

Joyce Cabrera

Thaddeus Oliver

Shelly Harris

1 to 5 of 50 items

<

1

2


3

4

...

10

>



William Lavender

WilliamELavender@teleworm.us

Jersey City

▲

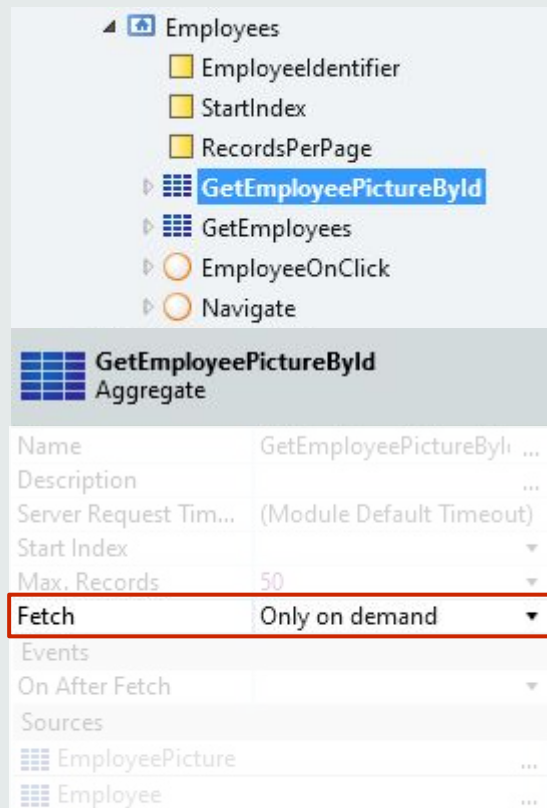
GetEmployeePictureById

▶ Employee

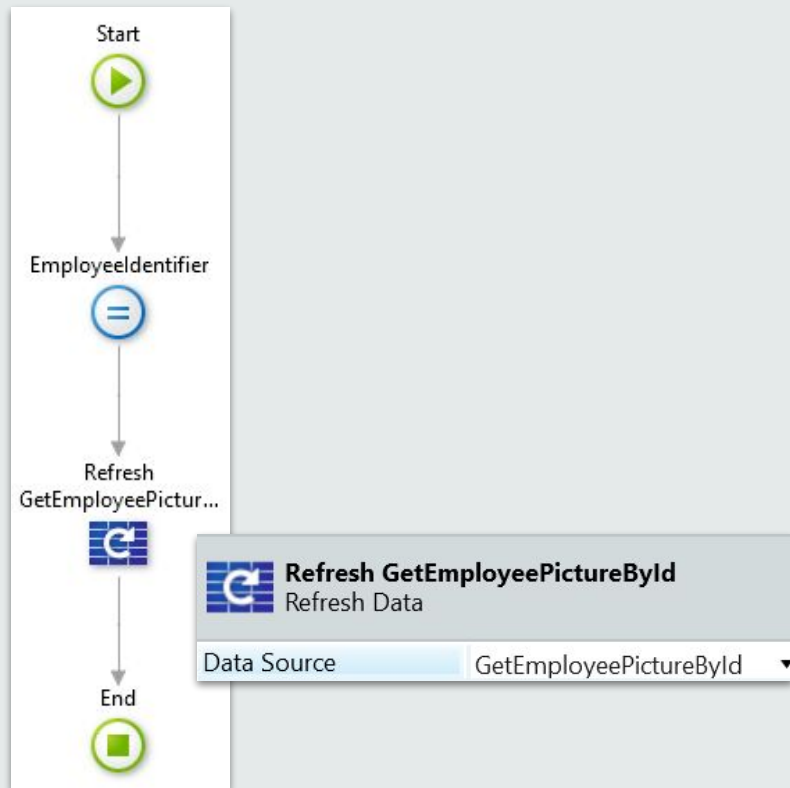
▶ EmployeePicture

Fetch Only On Demand

- Aggregates can be set to fetch data only on demand
- Aggregates with Fetch property set to **Only on demand** do not run when screen is initializing
 - Needs to be triggered programmatically

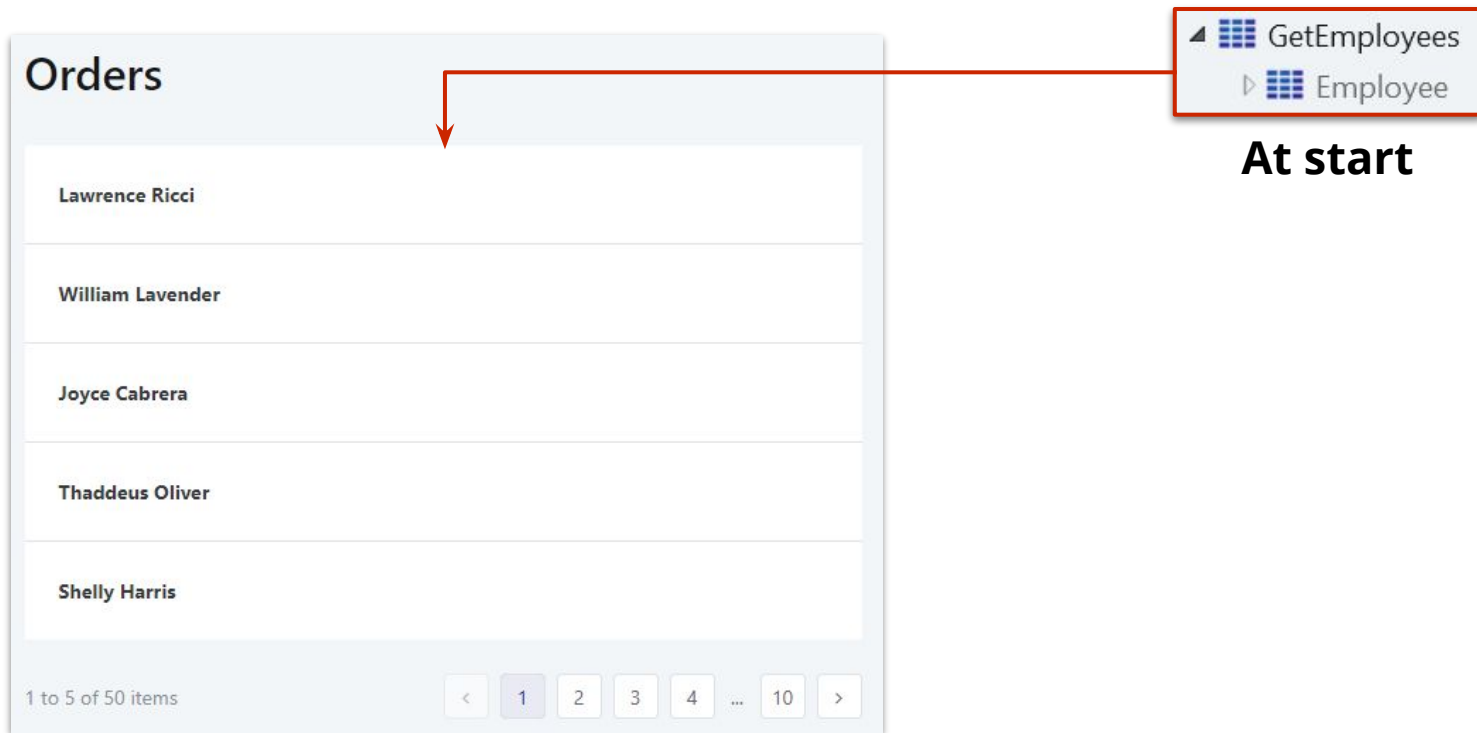


Triggering Aggregates

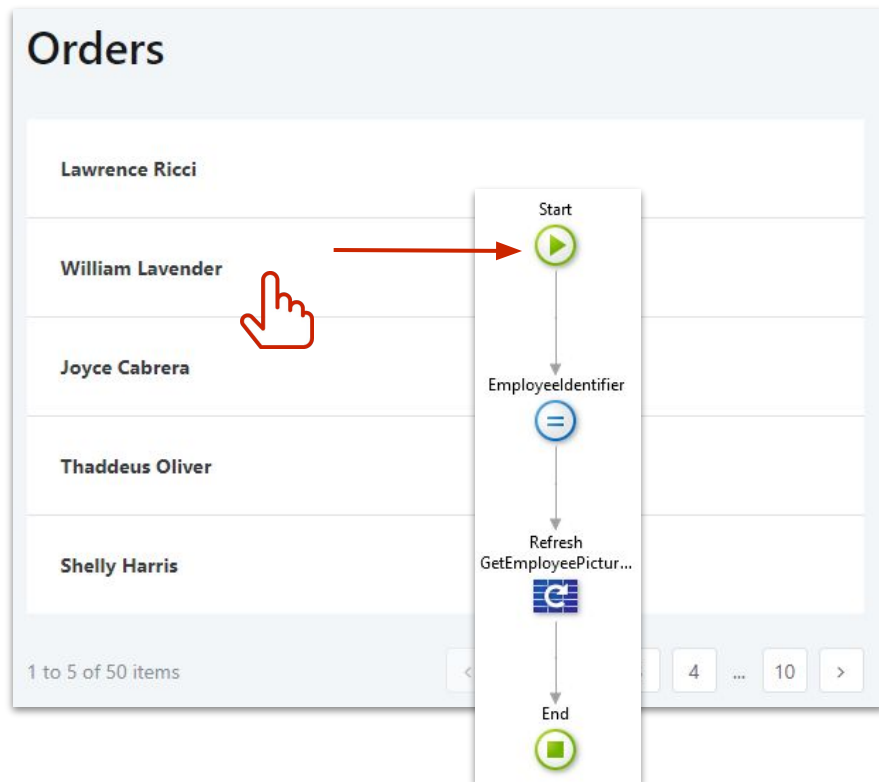


- Only on demand aggregates are triggered using a Refresh Data node
 - Used in action flows
- Aggregate runs asynchronously
 - On After Fetch Event also applies

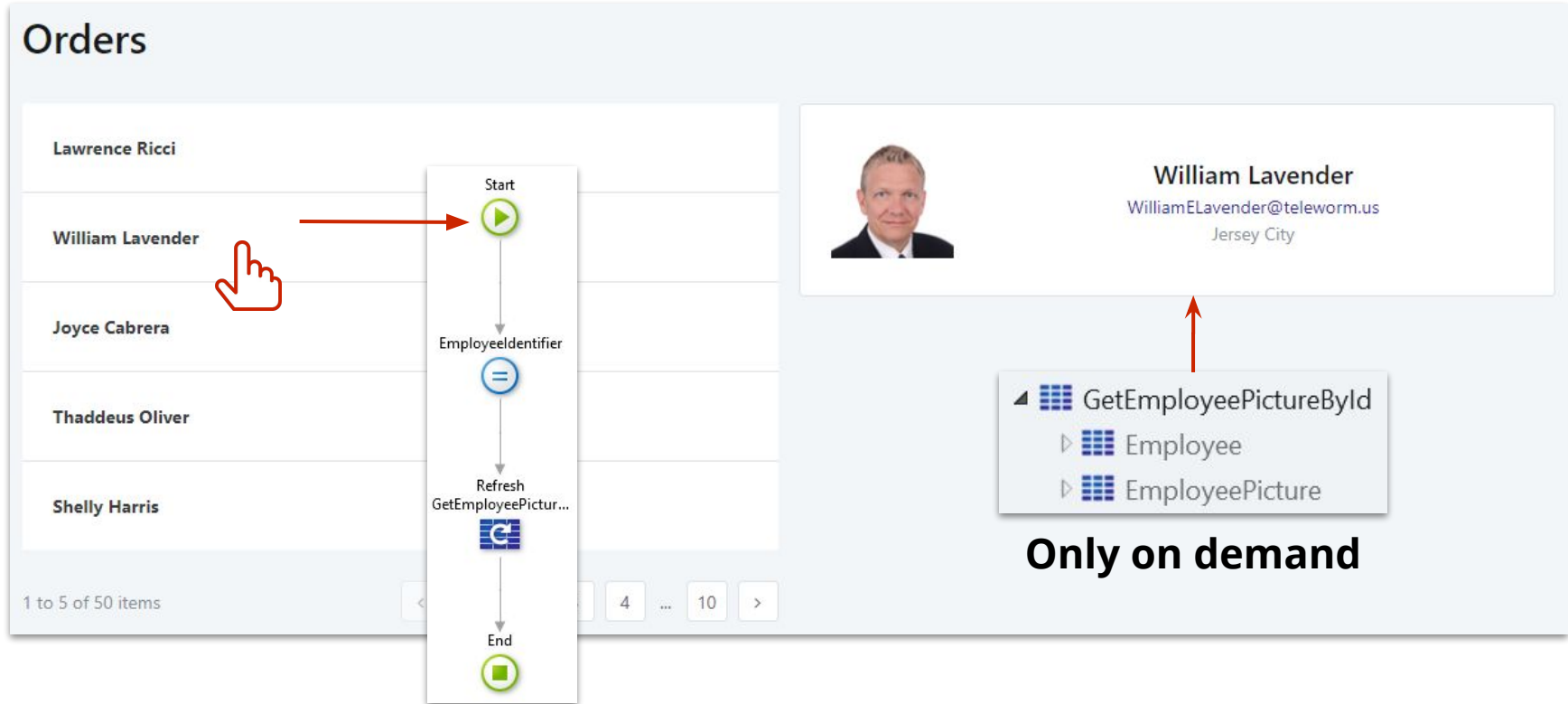
Scenario: Solution



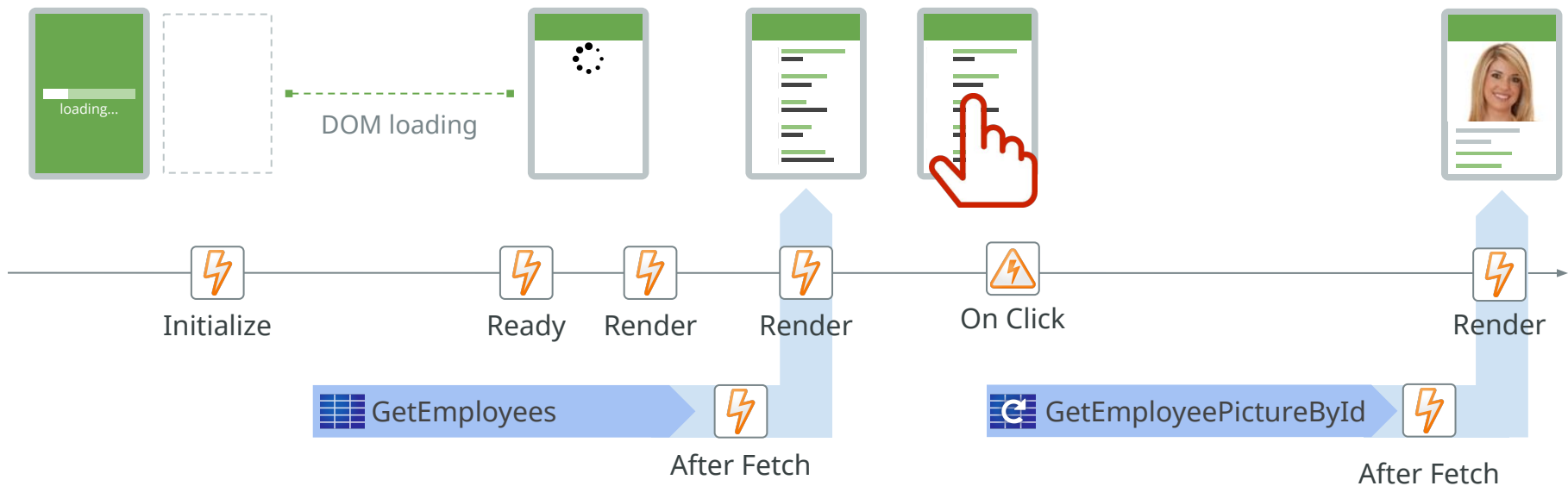
Scenario: Solution



Scenario: Solution



Screen Lifecycle Revisited



Questions?

Thank you
