



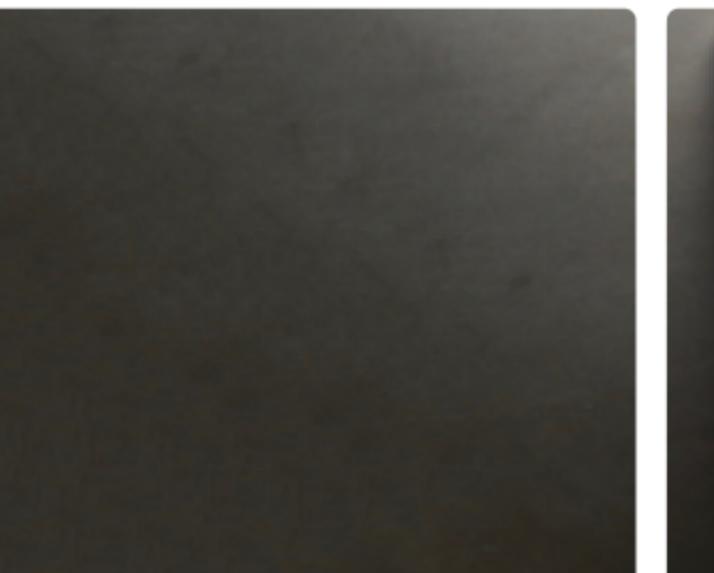
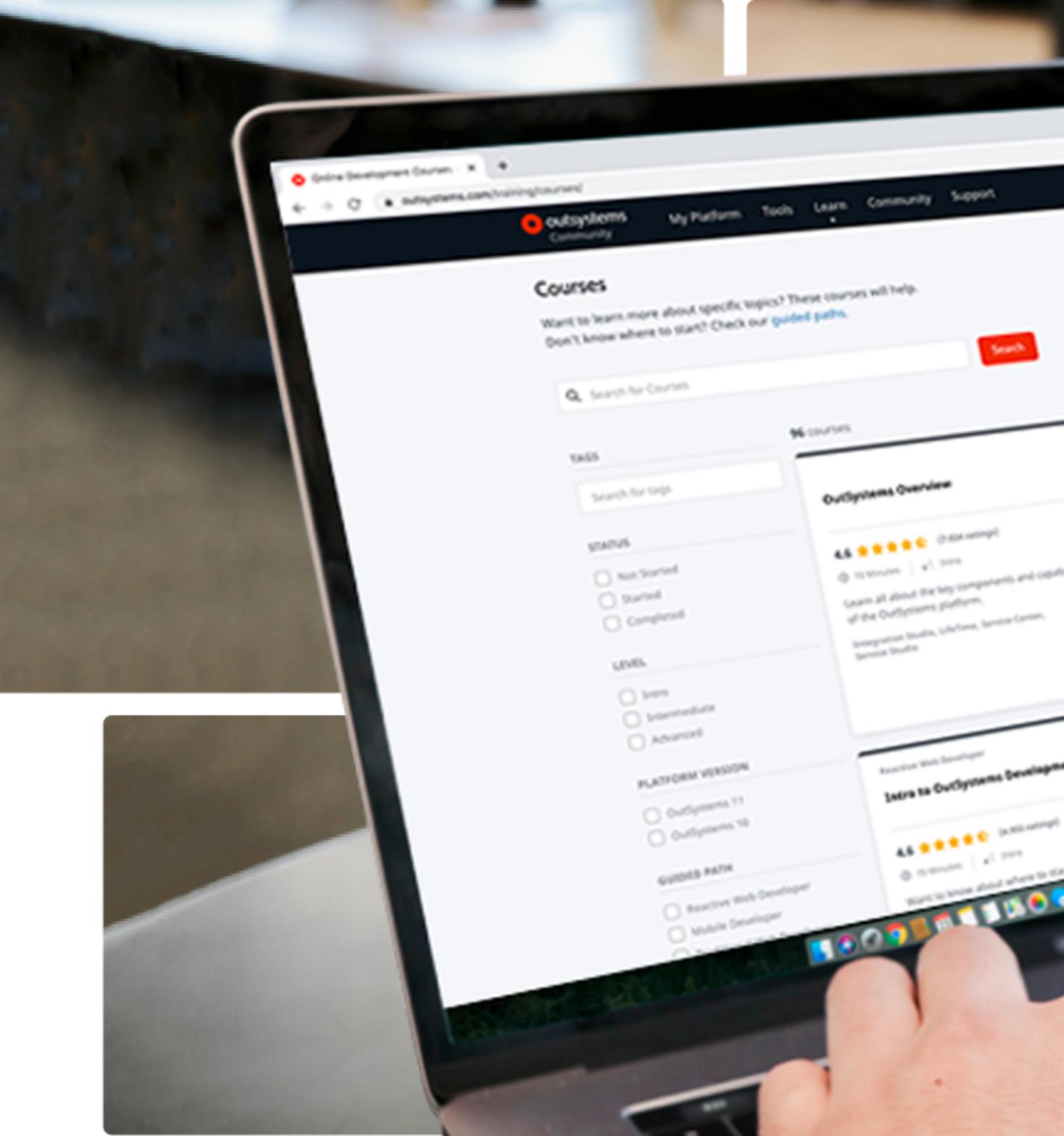
Blocks

What is a Block?

Using Blocks

Placeholder

Why use Blocks?

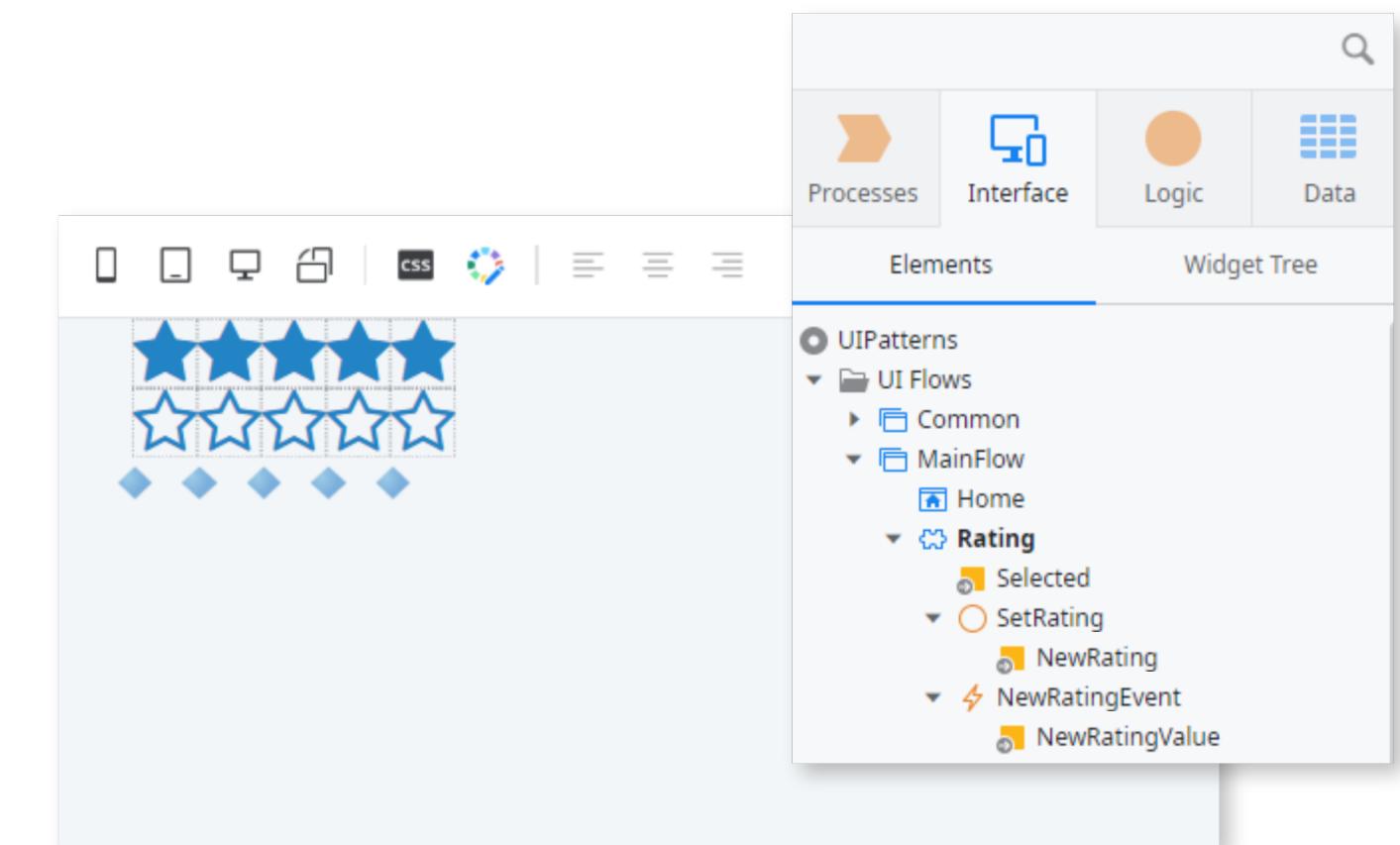


What is a Block?

A Block is a **reusable** user interface **component** that can hold widgets, patterns and other blocks.

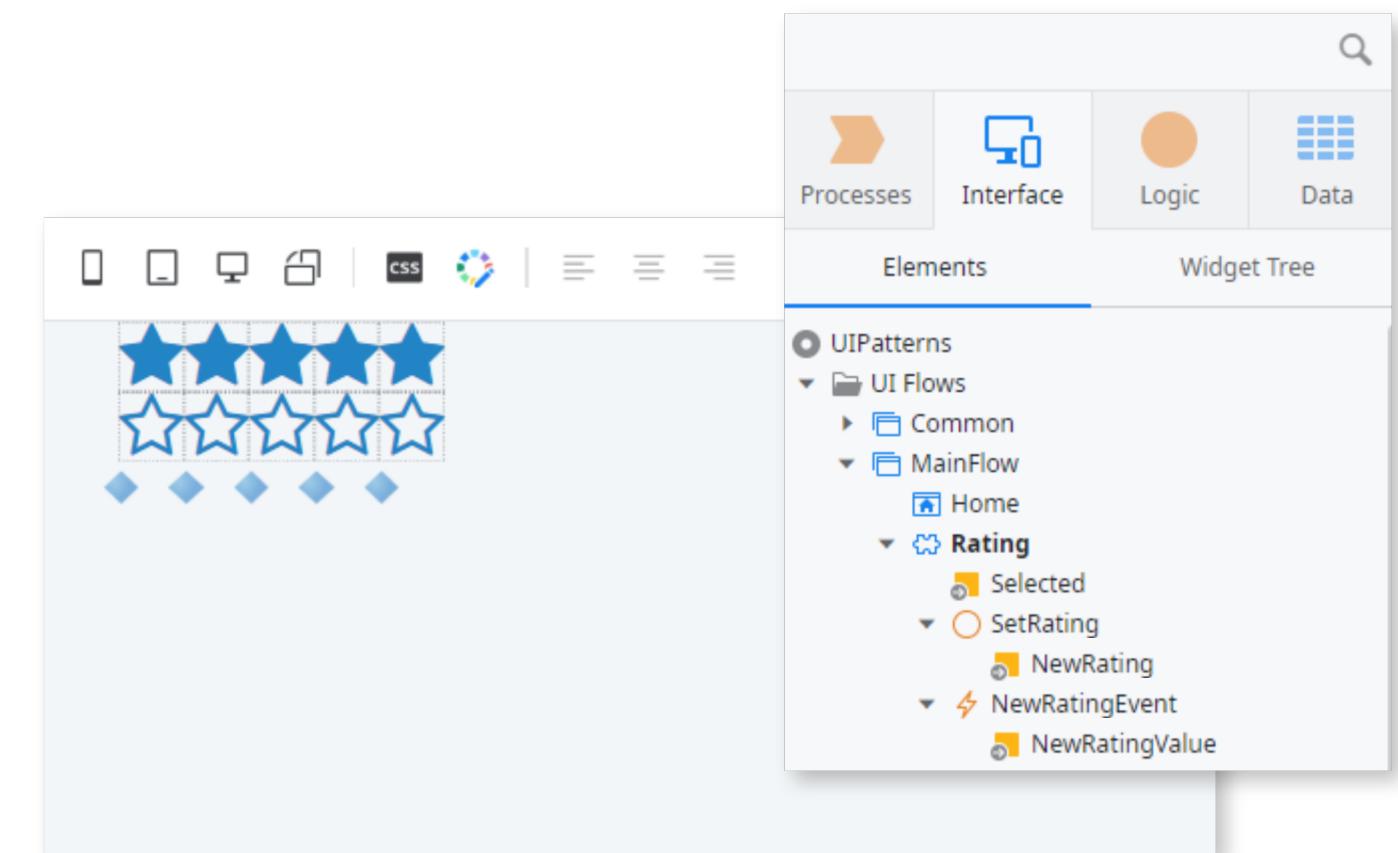
Block

- Blocks are designed just like Screens



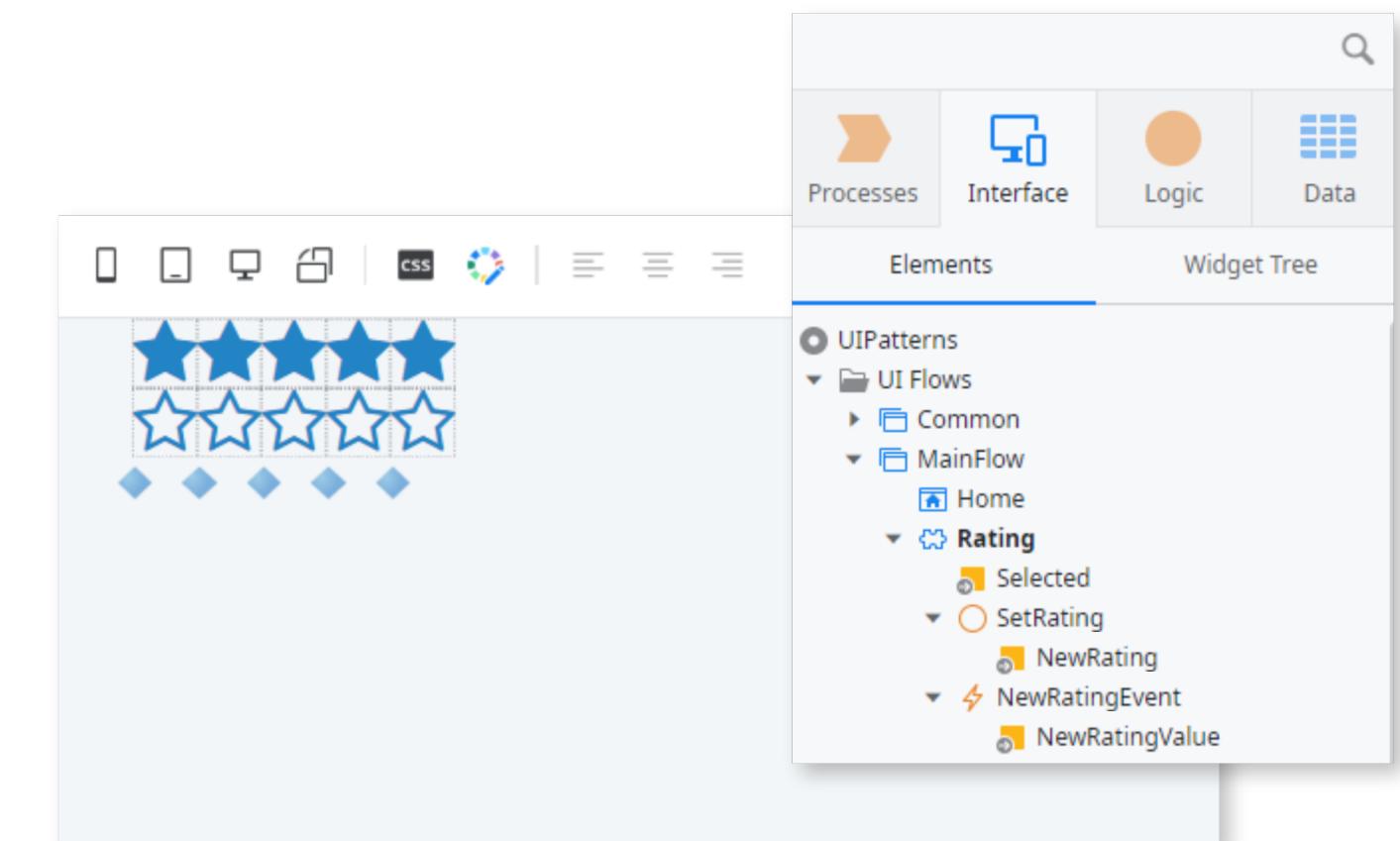
Block

- Blocks are designed just like Screens
- Blocks have their own scope



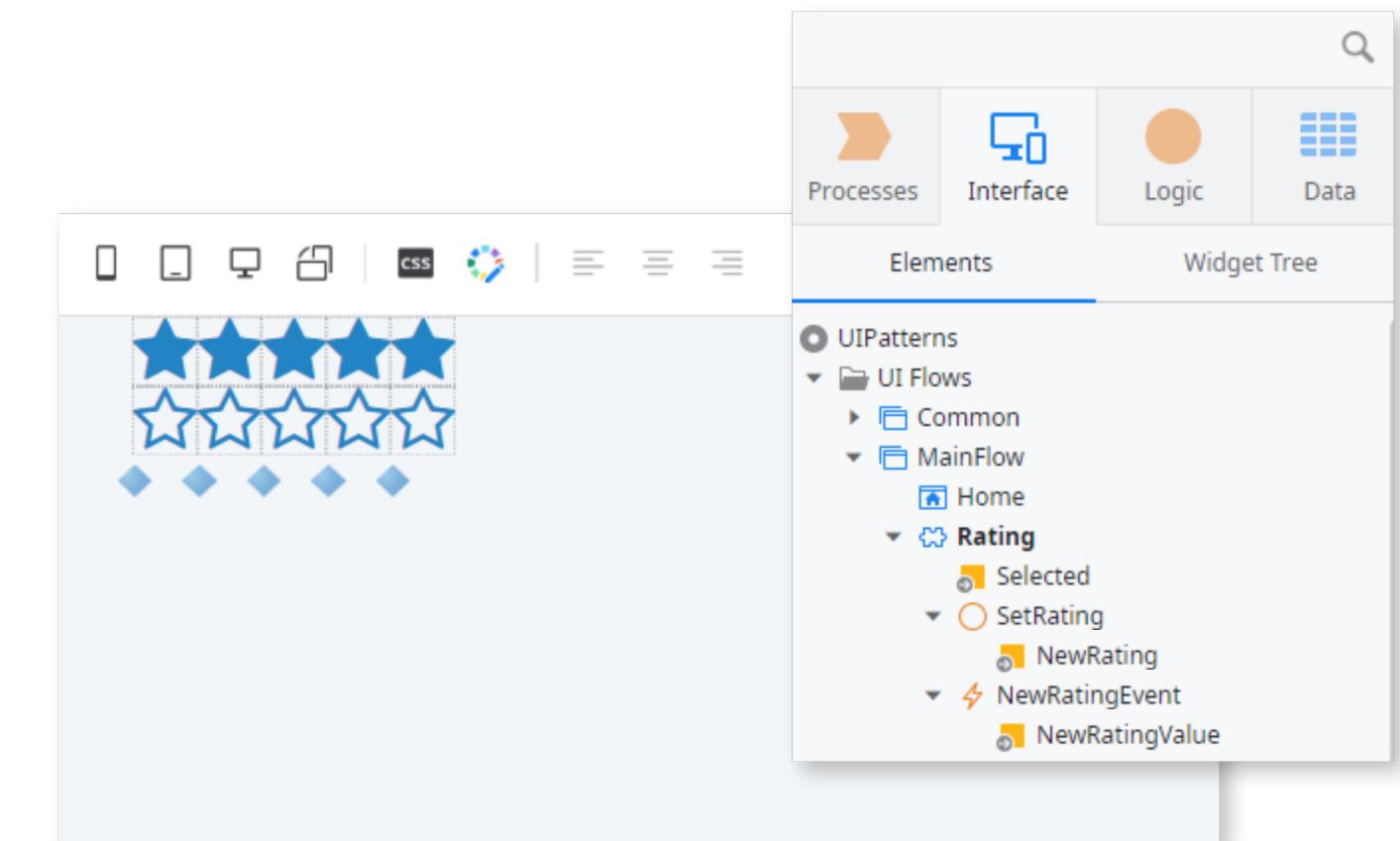
Block

- Blocks are designed just like Screens
- Blocks have their own scope
 -  Input Parameters
 -  Local Variables
 -  Screen Actions



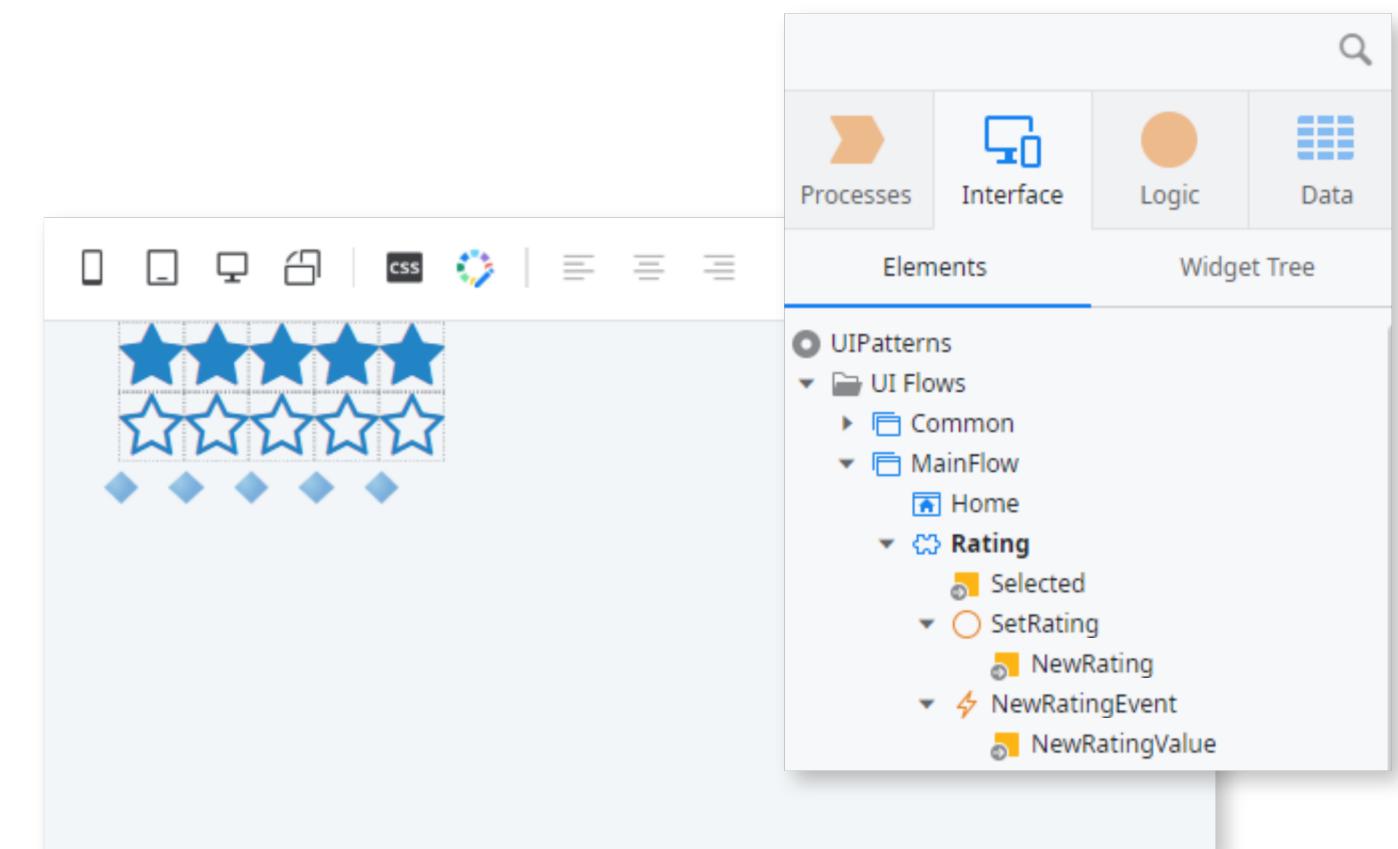
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- Blocks are designed just like Screens
- Blocks have their own scope
 -  Input Parameters
 -  Local Variables
 -  Screen Actions
 -  Placeholders
 -  Events



Block

- Blocks are designed just like Screens
- Blocks have their own scope
 -  Input Parameters
 -  Local Variables
 -  Screen Actions
 -  Placeholders
 -  Events
- Blocks do **not** have Output Parameters



Using Blocks

The screenshot shows a movie detail page for "Star Wars: The Force Awakens". The page includes fields for Title, Average Rating, Year, Plot Summary, Genre, and Gross Takings. A "Save" button is at the bottom. On the right, there's a "Rating this movie" block containing a star rating interface.

- Can be placed inside Screens or other Blocks
 - **Parent** of the Block
 - Recursion not allowed

Using Blocks

The screenshot shows a movie detail page for "Star Wars: The Force Awakens". The page includes fields for Title, Average Rating, Year, Plot Summary, Genre, and Gross Takings. A large central block displays the OSMDb logo and a rating interface. The rating interface has a placeholder "Rating this movie" and a "Comment" section with three comments from a user named Jane.

OSMDb

Movies People

User

CommonMenu

Star Wars: The Force Awakens

New Movie

Add Cast/Crew to Movie

Title

Average Rating

Year

Plot Summary

Genre

Gross Takings

Is Available On DVD

Back to List

Save

MainFlow\StarDisplay

Out of Count ratings

Rating this movie

MainFlow\StarDisplay

Comment

Jane: I like this flick! Tue 12/05/2021

Jane: I like this flick! Tue 12/05/2021

Jane I like this flick! Tue 12/05/2021

- Can be placed inside Screens or other Blocks
 - Parent of the Block
 - Recursion not allowed
- Parents can have multiple instances of a Block

Using Blocks

The screenshot shows a movie detail page for "Star Wars: The Force Awakens". The page includes fields for Title, Average Rating, Year, Plot Summary, Genre, Gross Takings, and a checkbox for "Is Available On DVD". A "Save" button is at the bottom. Two identical rating blocks are present: one in the "Average Rating" section and another in a comment block below. Both rating blocks have a red border and display "MainFlowStarDisplay" and "Out of Count ratings". The second rating block also shows a "Comment" section with three comments from "Jane".

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Using Blocks

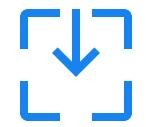
The screenshot shows a movie detail page for "Star Wars: The Force Awakens". The page includes fields for Title, Average Rating, Year, Plot Summary, Genre, Gross Takings, and a checkbox for "Is Available On DVD". A "Save" button is at the bottom. To the right, there's a "Comment" block containing three comments from a user named Jane.

Field	Value
Title	Star Wars: The Force Awakens
Average Rating	★★★ Out of Count ratings
Year	
Plot Summary	
Genre	
Gross Takings	
Is Available On DVD	<input checked="" type="checkbox"/>

Comment Block Content:

- Jane: I like this flick! Tue 12/05/2021
- Jane: I like this flick! Tue 12/05/2021
- Jane I like this flick! Tue 12/05/2021

- Can be placed inside Screens or other Blocks
 - Parent of the Block
 - Recursion not allowed
- Parents can have multiple instances of a Block
- Parent does **not** have access to elements inside the Block and vice-versa
 - Events can be used to *communicate* with the parent

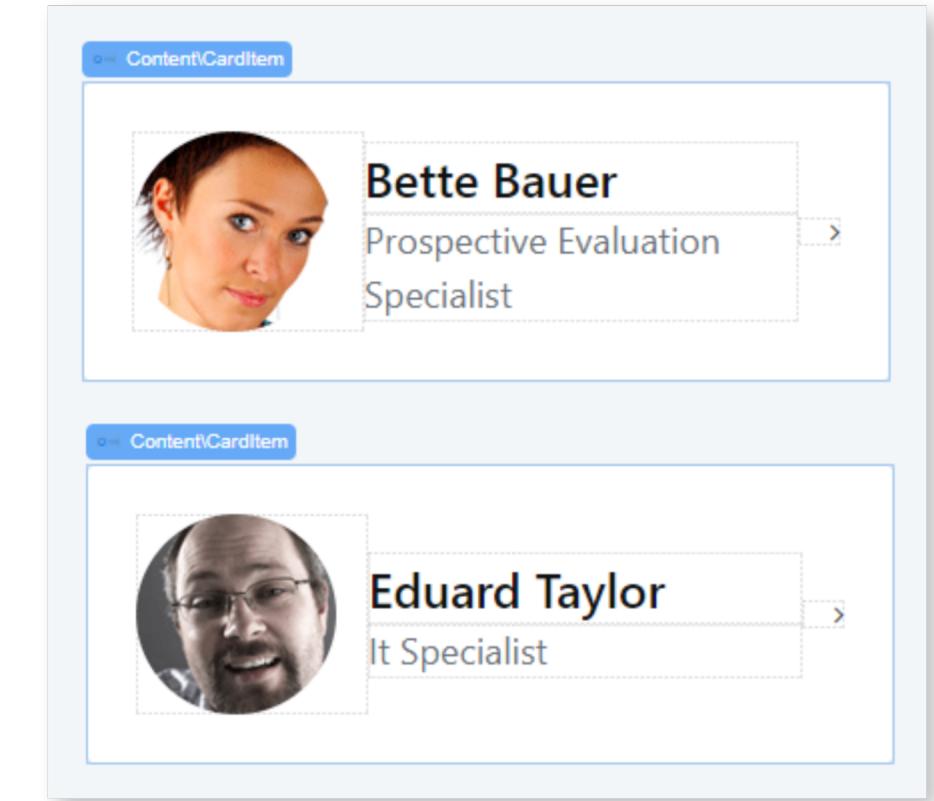


Placeholder

- Reserves space for dynamic interface content
 - Defined when instantiated
- Every instance of a Block can have different content inside the placeholders
- Only available inside Blocks

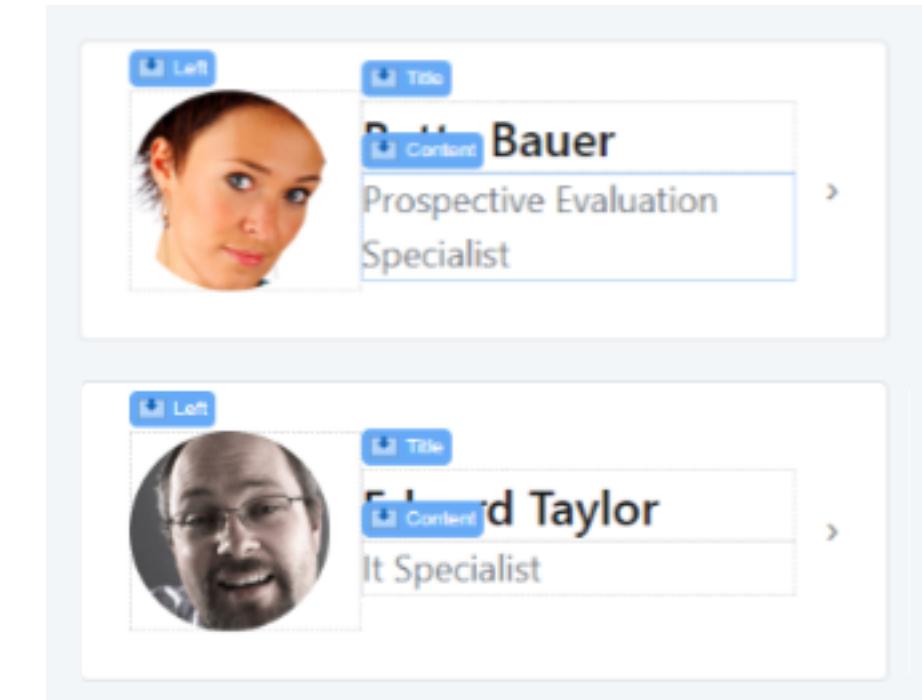
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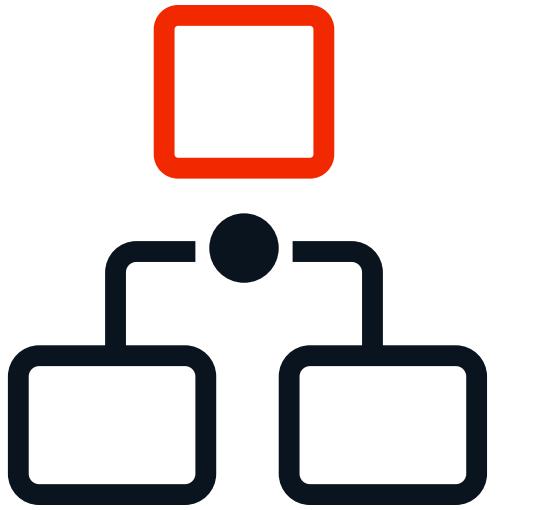
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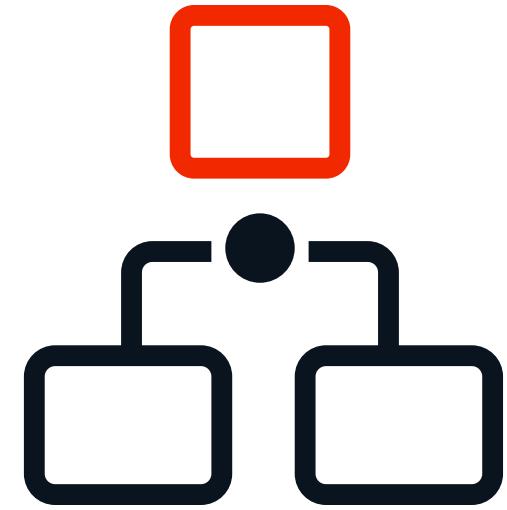


Promote reusability

Develop once, use it many times across other blocks or screens

Encapsulates its own logic, independently and isolated

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Promote reusability

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Improve maintainability

Changes are reflected in every instance of the block

Inputs and Placeholders enable customization of each instance