



Themes and Styles

Themes

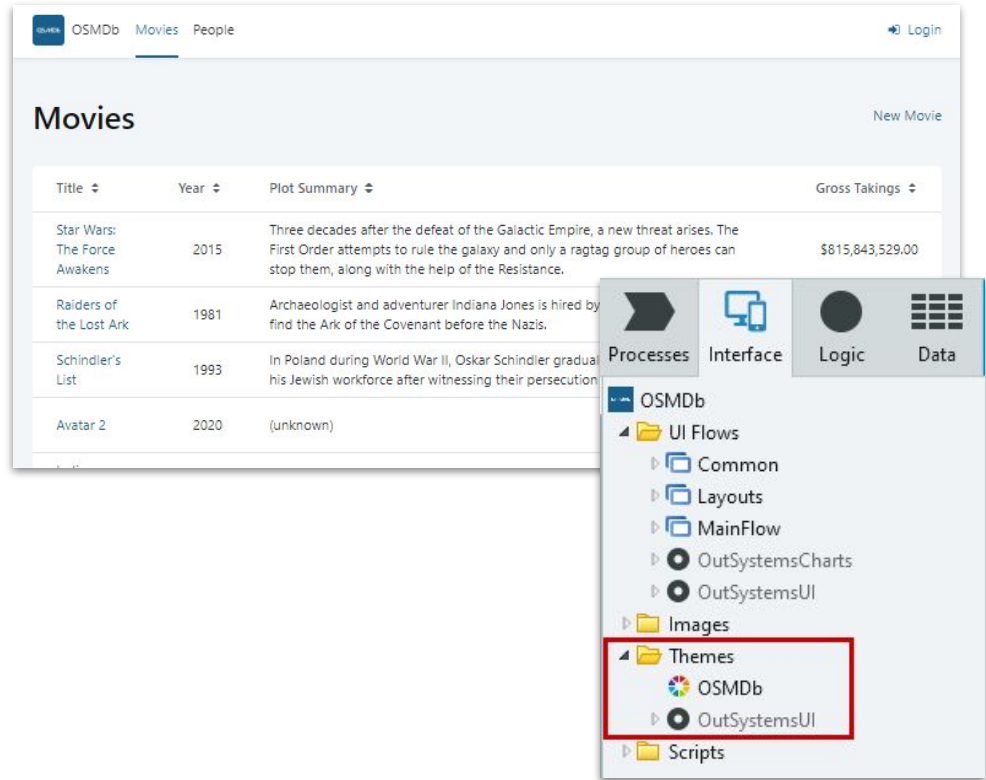
Style Classes

Applying Styles

Common Blocks

OutSystems Themes

- Define the look and feel of your application Screens
- Themes can be applied to:
 - Modules
 - UI Flows
- Each module has a default Theme
 - New screens are created based on that theme by default



What is a Theme?

- A Theme defines the common styling properties for UI elements
 - Base Theme
 - Style sheet
 - Styles can override Base Theme styles
 - Grid Type: Fixed, Fluid or None
 - Layout
- A Theme can be defined in any module
 - Can be shared between modules
 - Modules can have multiple themes for different UI Flows

OSMDb Theme	
Name	OSMDb
Description	
Public	Yes
Base Theme	OutSystemsUI
Style Sheet	/ * =====
Grid	
Grid Type	Fluid
Columns	12
Gutter Width	30
Min. Width	
Max. Width	1280
Blocks	
Layout	Layouts\LayoutTopMenu

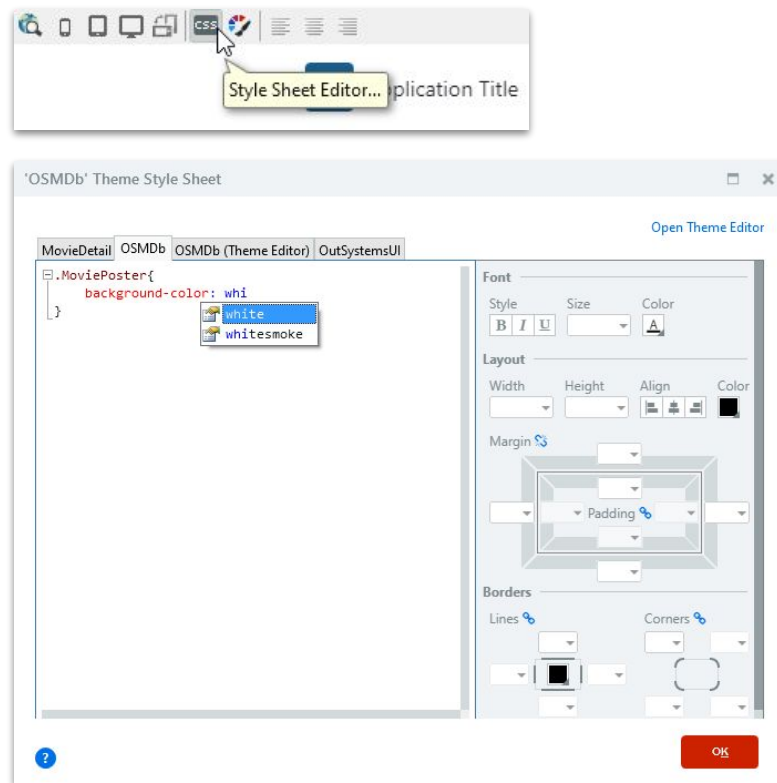
Reactive Web

OSMDb Theme	
Name	OSMDb
Description	Application theme.
Public	No
Base Theme	OutSystemsUI
Style Sheet	/ * =====
Grid	
Grid Type	Fluid (from OutSystemsUI)
Blocks	
Layout	Common\Layout

Mobile

Style Sheets in OutSystems



- Style sheets define CSS Style Classes for various types of visual elements:
 - Themes
 - Screens
 - Blocks
- The Style Sheet Editor in Service Studio provides:
 - Syntax highlight
 - Auto-complete
 - Visual styles editor
- Base Theme is non editable




Style Sheet Precedence

- Style Sheets are loaded in the following order in Screens
- Style Classes can be overridden


1. Blocks

 CSSBlock Block	
Name	CSSBlock
Description	...
Public	No
Icon	 Default Icon
Events	
Event	
Advanced	
Style Sheet	.TestClass{background-color: green} ...

2. Theme

 CSSTheme Theme	
Name	CSSTheme
Description	...
Public	No
Base Theme	OutSystemsUI
Style Sheet	.TestClass{background-color: yellow} ...
Grid	
Grid Type	Fluid (from OutSystemsUI)

3. Screens

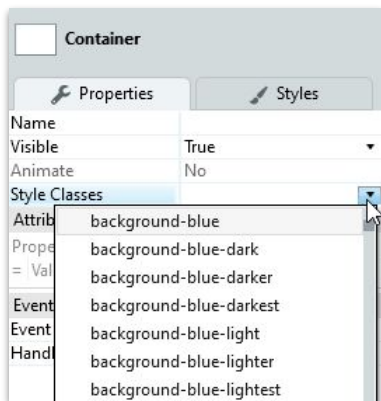
 CSSScreen Screen	
Name	CSSScreen
Description	...
Title	
Public	No
Roles	
Anonymous	<input checked="" type="checkbox"/>
Registered	<input checked="" type="checkbox"/>
Events	
Event	
Advanced	
Style Sheet	.TestClass{background-color: red} ...

```
.TestClass {  
  background-color: red;  
}  
  
.TestClass {  
  background-color: yellow;  
}  
  
.TestClass {  
  background-color: green;  
}
```

Applying Styles

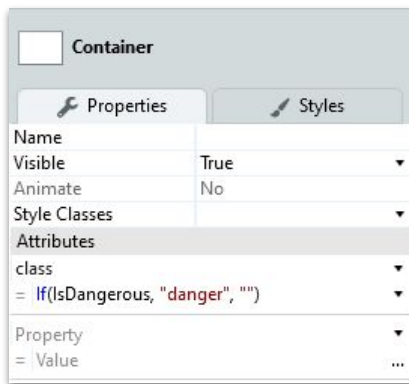
Styles Classes Property

Select existing style classes



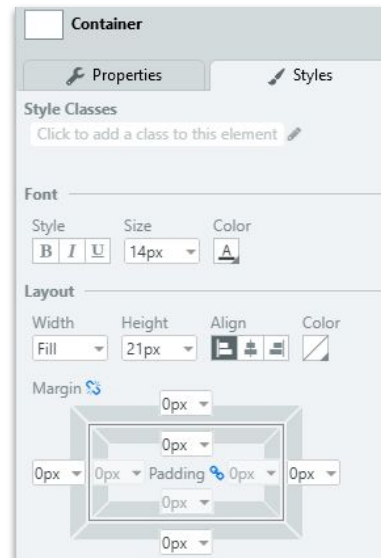
Attributes

Define inline styles or classes based on runtime conditions



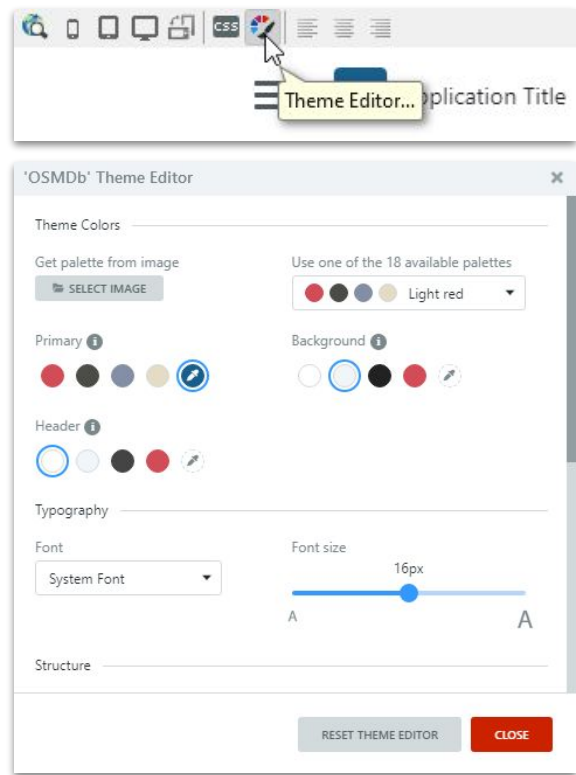
Styles Editor

Visual CSS editor
Allows promoting to style classes



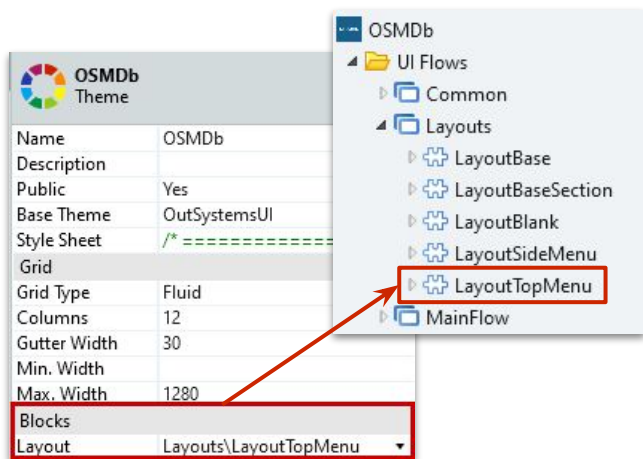
Theme Editor

- Customize the overall style of the app
- Customize color
 - Color palette
 - Theme editor sets primary color, header color and background color
- Customize default font
- Customize structure and shape
 - Spacing, borders, ...
- Login Screen backgrounds

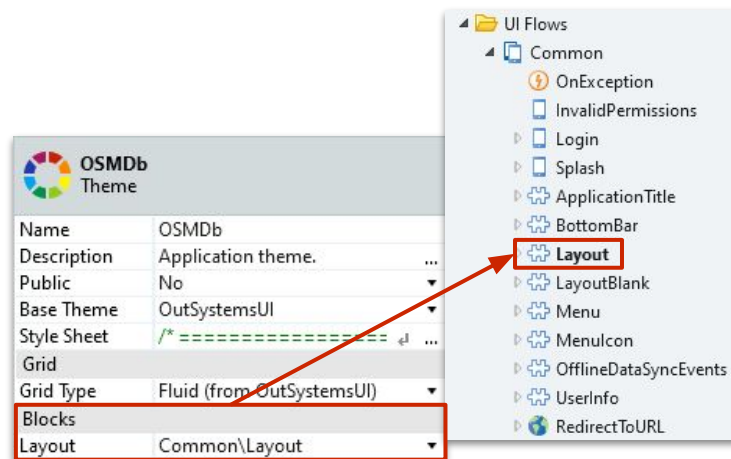


Theme Layout

- Define common layout:
 - Layout Block for new Screens
- Changing the Theme's Layout only affects new elements
 - Screens already created with the previous Layout are not modified



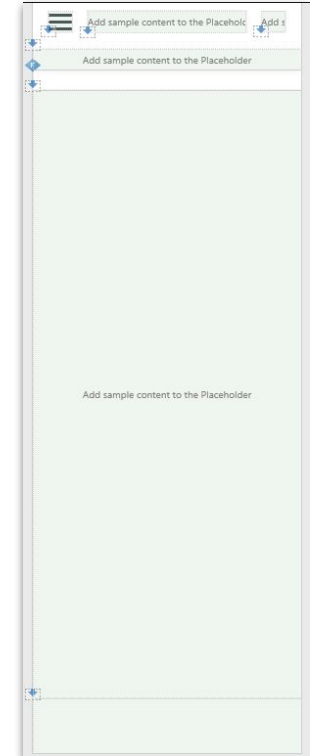
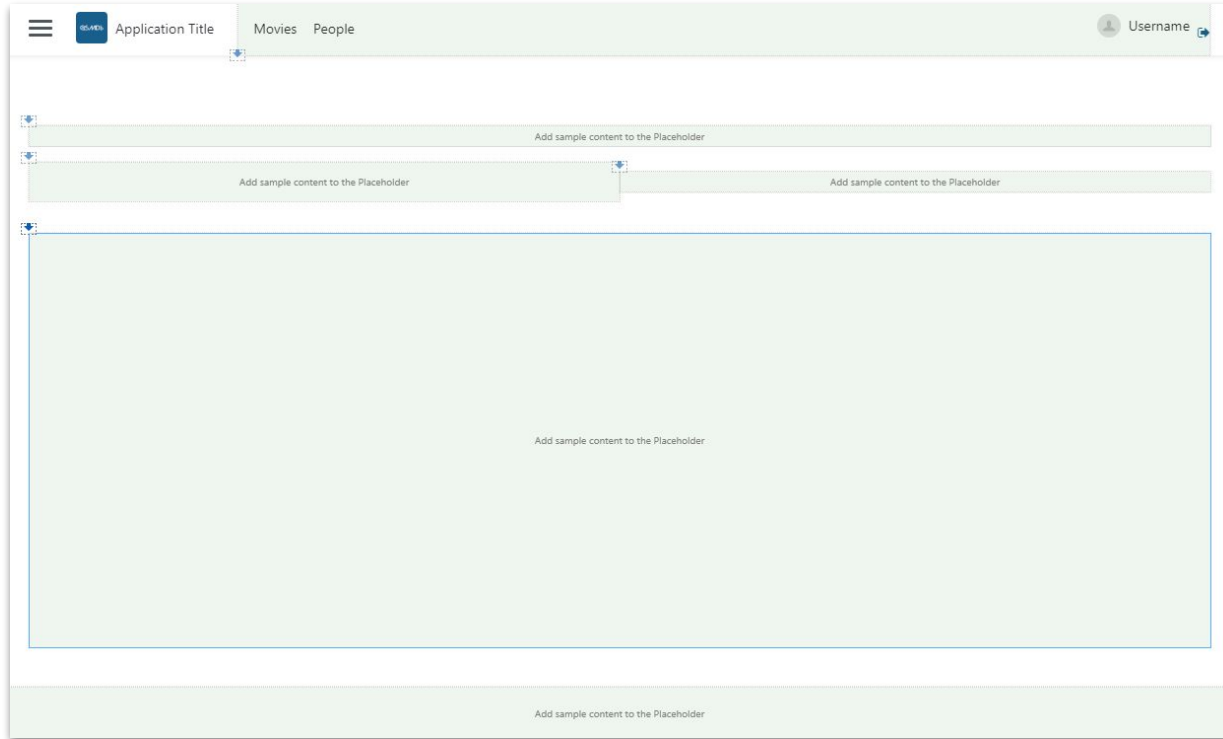
Reactive Web



Mobile

Layout Block for Screens

Layout Block defines the base structure of new Screens that are created



Questions?

Thank you
