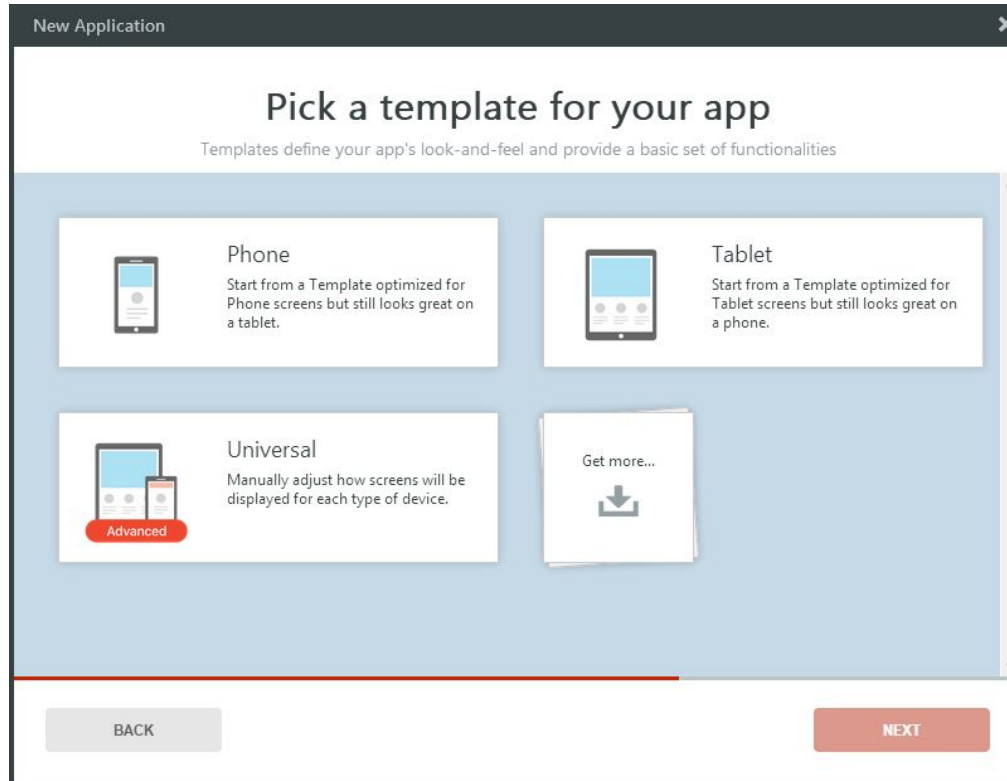outsystems

Themes & Style Sheets

Topics

- Mobile Templates
- OutSystems Themes
  - Theme Definition
  - Themes Cascade
- Style Sheets
  - Customizing CSS
  - Style Sheet Order
  - Applying Styles

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Mobile Templates

New Application

Pick a template for your app

Templates define your app's look-and-feel and provide a basic set of functionalities

Phone
Start from a Template optimized for Phone screens but still looks great on a tablet.

Tablet
Start from a Template optimized for Tablet screens but still looks great on a phone.

Universal
Manually adjust how screens will be displayed for each type of device.

Advanced

Get more...

BACK

NEXT

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OutSystems Themes

- Define the look and feel of your application Screens

- A Theme can be applied to:
  - A module
  - A UI Flow

- Each module has a default Theme
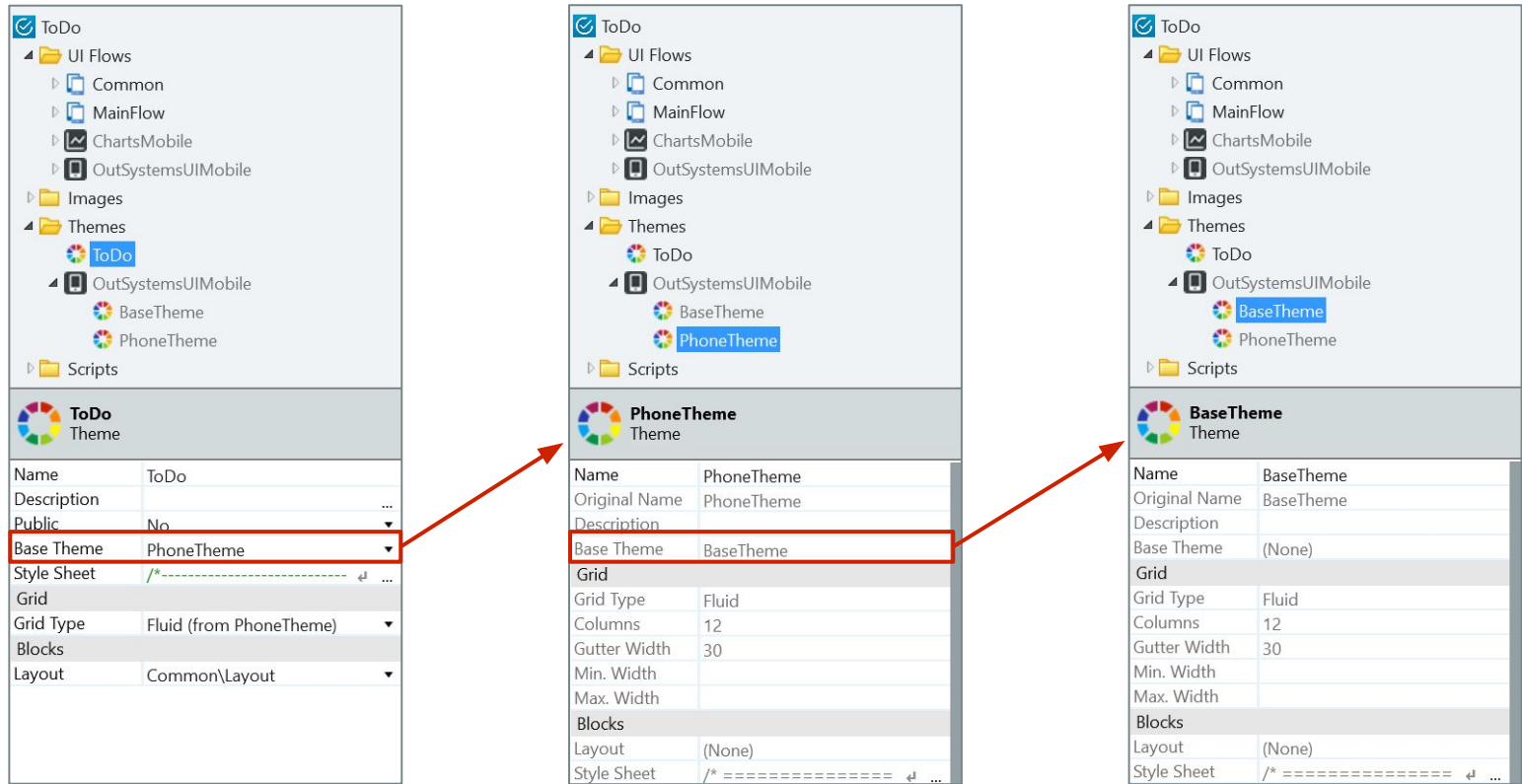 - Screens are created based on that theme by default

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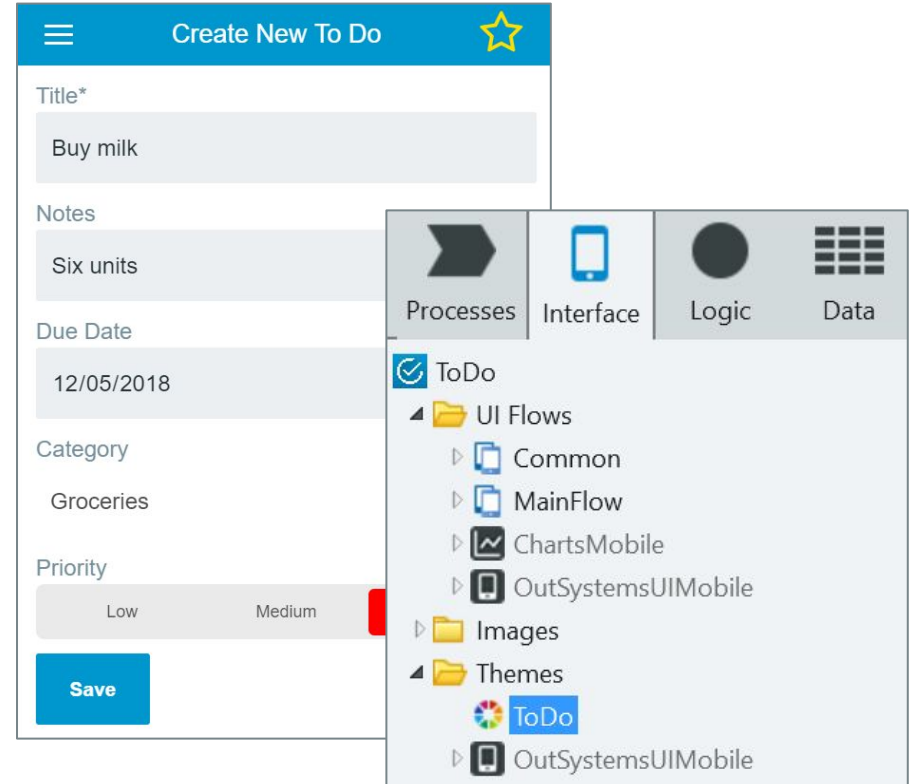
Theme Definition

- Themes define common styling properties for UI elements
  - Extension of the Base Theme
    - Can override styles from the Base Theme
  - Common Layout Block
  - Grid Type: Fixed, Fluid or None

- A Theme can be defined in any module (including *Blank*)
  - Can be shared between modules
  - Modules can have multiple themes for different UI Flows

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Themes Cascade

Style Sheets

- Allow defining CSS Style Classes in a module with visual elements
  - Themes
  - Screens
  - Blocks

- Service Studio provides a Style Sheet Editor with:
  - Syntax highlight
  - Auto-complete
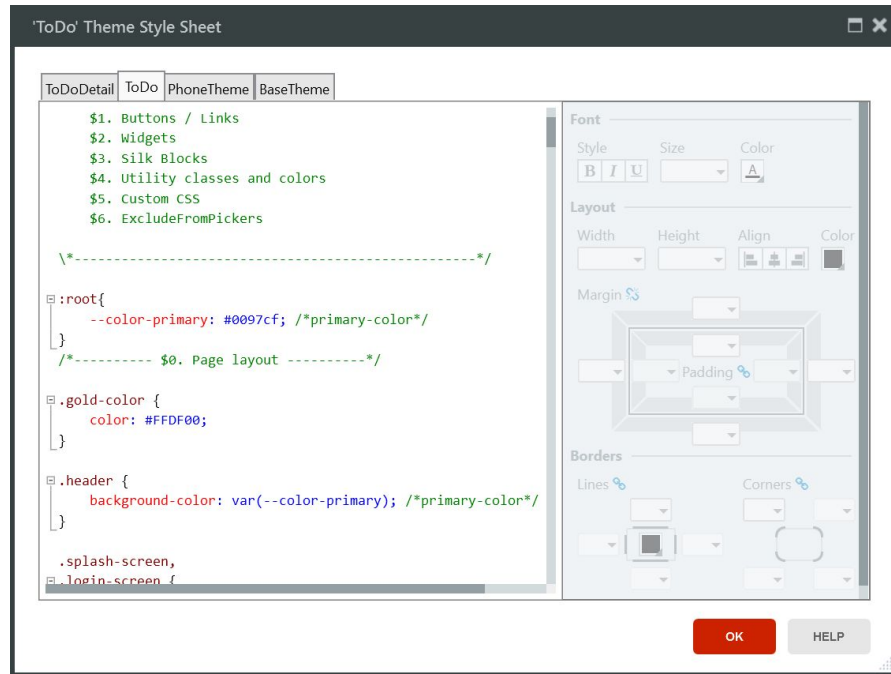 - Visual styles editor

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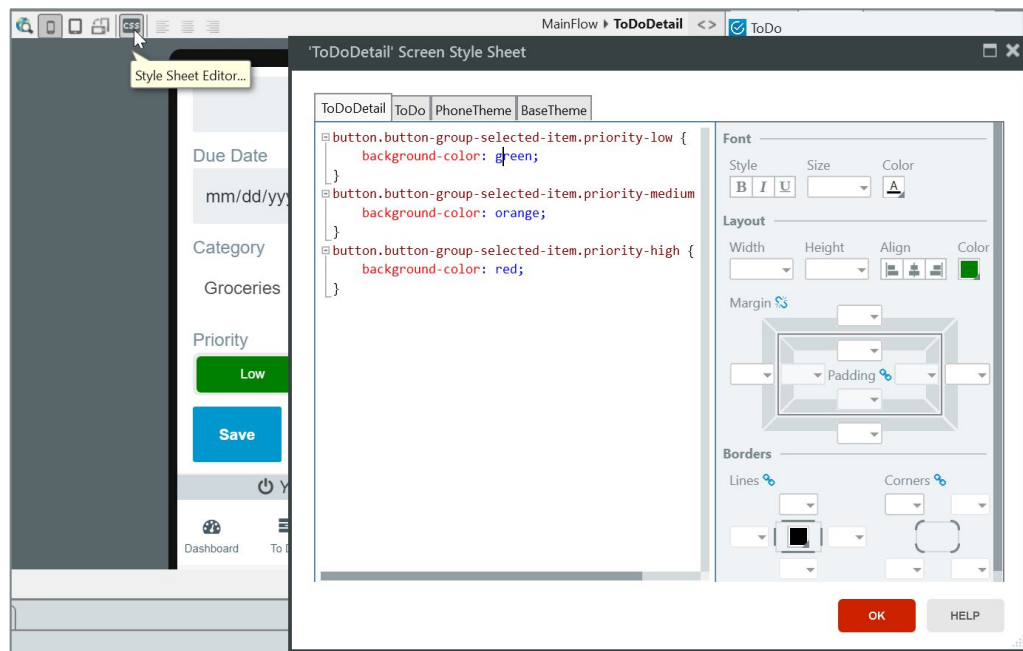
Customizing CSS

Possible to customize existing CSS Classes
- Except for the Base Theme

Changes are immediately visible in Service Studio

CSS Variables can be used to accelerate customization
- Define a variable and its value
- Use the variable
- Replacing the value affects all usages of the variable

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Style Sheet Order

- Style Sheets are loaded in the following order in Screens

- Style Classes can be overridden

1. Blocks

StylesBlock Block	
Name	StylesBlock
Description	...
Public	No
Icon	Default Icon
Events	
On Initialize	
On Ready	
On Render	
On Parameters...	
On Destroy	
Advanced	
Style Sheet	.TestClass { background-color: green; } ...
Required Scripts	
Add Required Script	

2. Theme

StylesTheme Theme	
Name	StylesTheme
Description	...
Public	No
Base Theme	PhoneTheme
Style Sheet	.TestClass { background-color: yellow; } ...
Grid	
Grid Type	Fluid (from PhoneTheme)
Blocks	
Layout	Common\Layout

```
.TestClass {            Styles.MainFlow…YU+ORQnb9GEQ:1
    background-color: ■red;
}

.TestClass {            Styles.StylesTh…j8Khn18ye4OA:1
    background-color: □yellow;
}

.TestClass {            Styles.MainFlow…qCY1s961YX9A:1
    background-color: ■green;
}
```
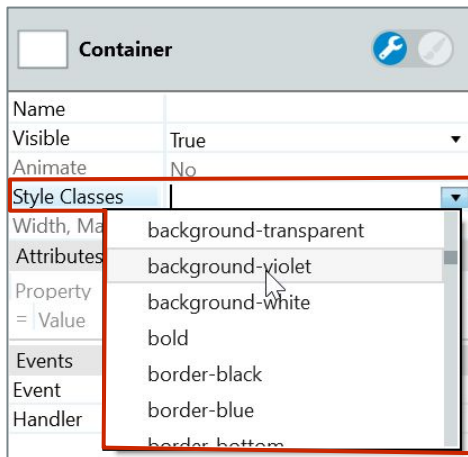
3. Screens

|	
StylesScreen Screen	
Name	StylesScreen
Description	...
Title	
Roles	
Anonymous	✓
Registered	✓
Events	
On Initialize	
On Ready	
On Render	
On Destroy	
Advanced	
Style Sheet	.TestClass { background-color: red; } ...
Required Scripts	
Add Required Script	

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Applying Styles

Styles Property
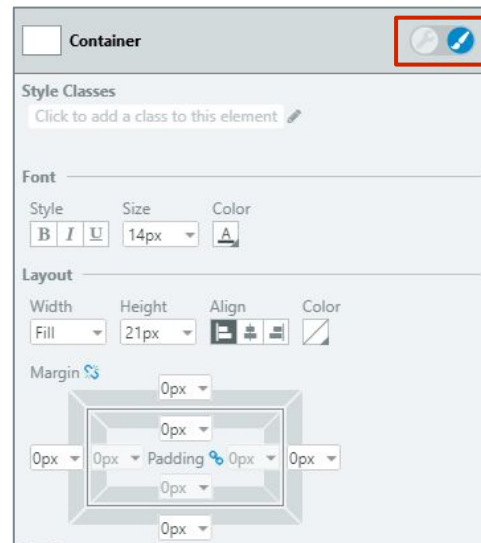
Select existing style classes

Extended Properties

Define inline HTML styles or classes based on runtime conditions
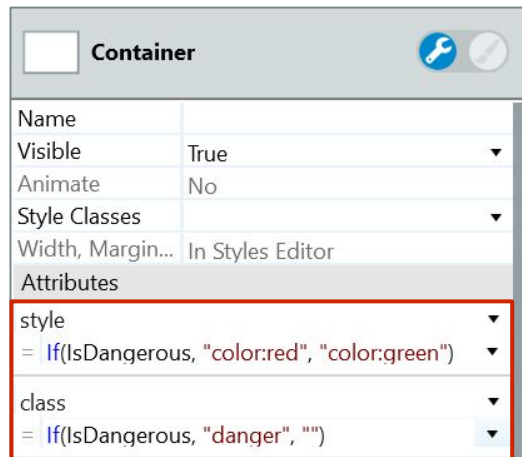
Styles Editor

Visual CSS editor
Allows promoting to style classes

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Summary

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Themes & Style Sheets

Thank You!