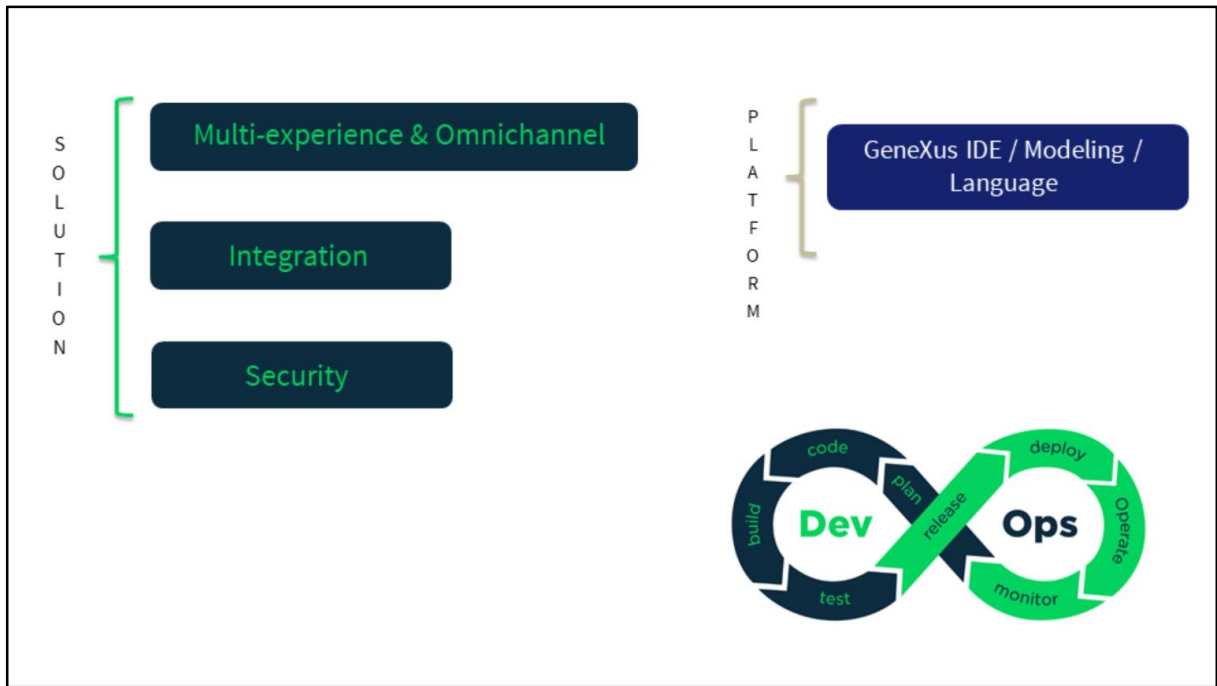


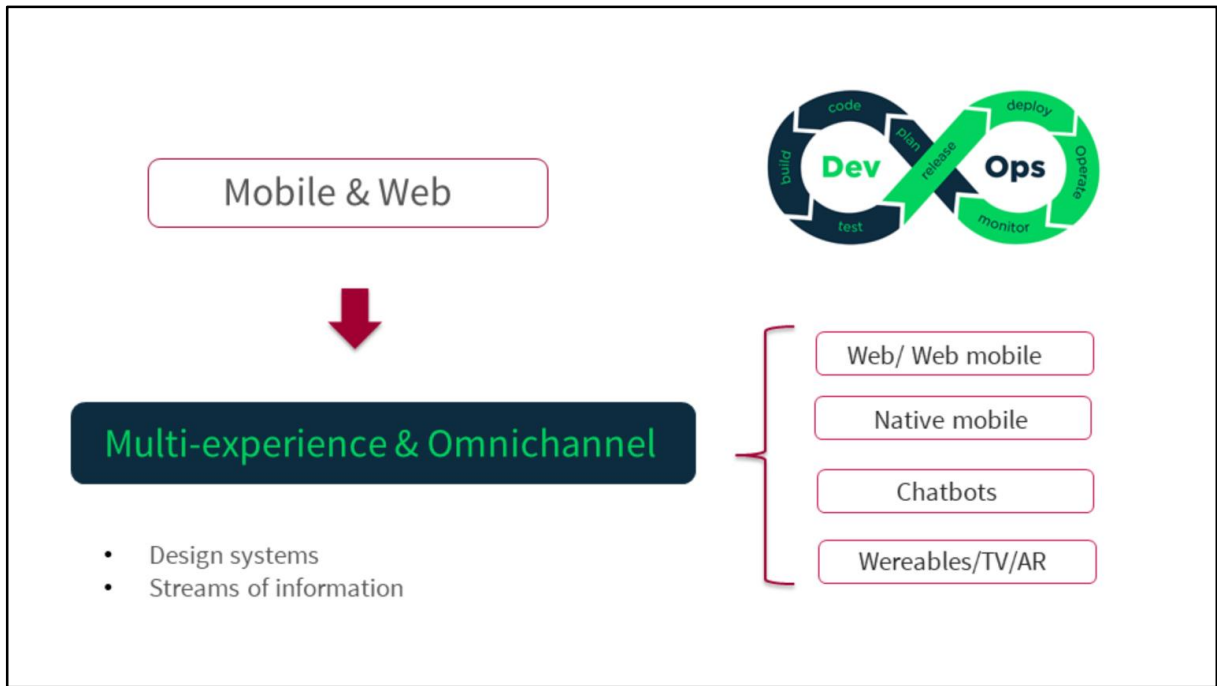
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Development

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In what follows we will see at the same time new possibilities for the developed solutions and how to get the implementation in the platform.



We said in the presentation that from a mobile and web experience, we went to the idea of multi-experience ...

In this section of the course we will see the first two points we had mentioned before: Design Systems and how to make grids present their information in a more fluid way.

Design Systems

Principles

Patterns

Practices

Design Systems



Integrate the designers (Design Ops)



Design system

Base styles

Themes

Controls

Stencils

Patterns

Master Page

Controls

Base styles

CSS Frameworks

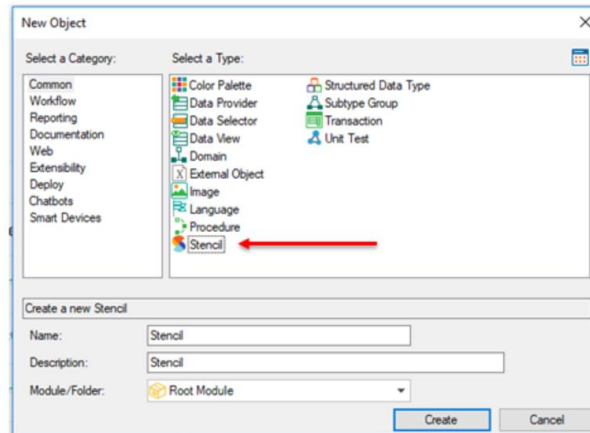


etc...

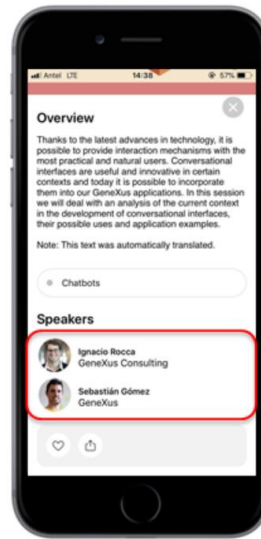
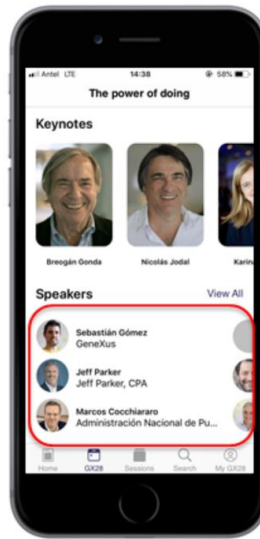
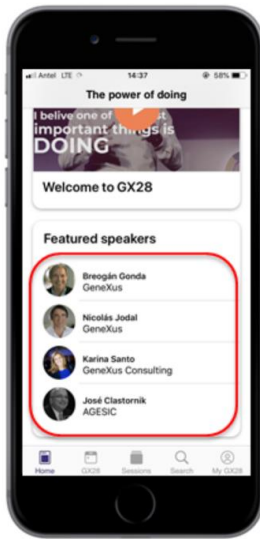


Stencils

What is a Stencil?

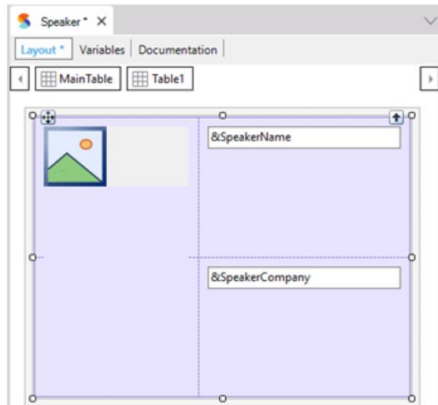


GX28 – Speaker example



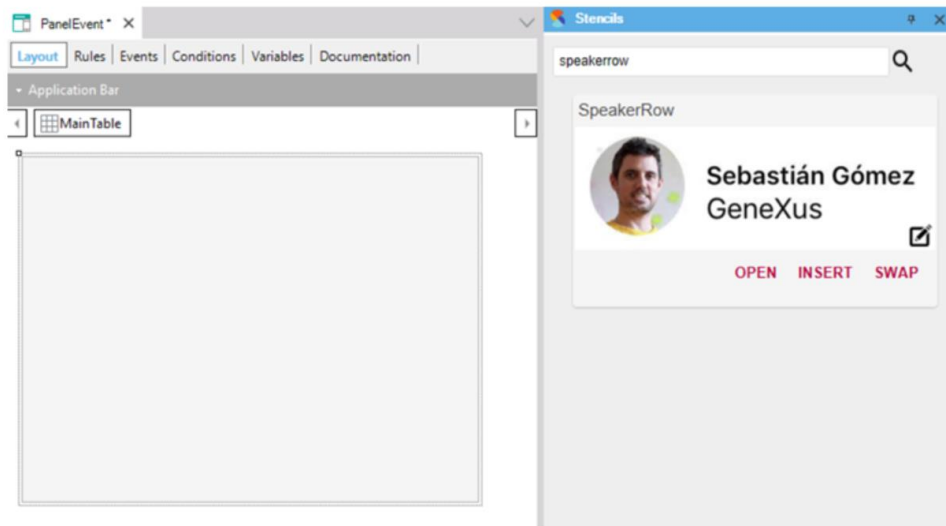
Stencil Object

Controls + design properties



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GeneXus

Inserting an Stencil on my layout



Stencil versions

V.1



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V.2

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GeneXus



V.3



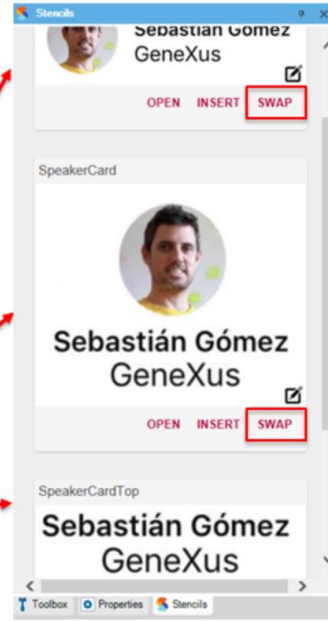
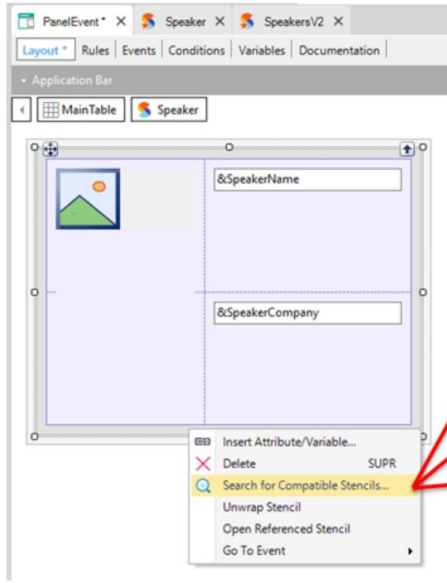
Sebastián Gómez
GeneXus

V.n...



Lorem Ipsum

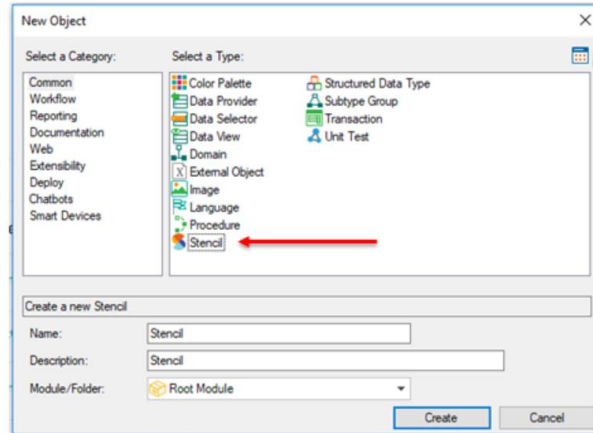
SWAP



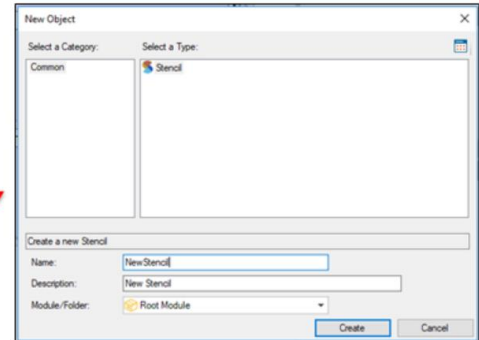
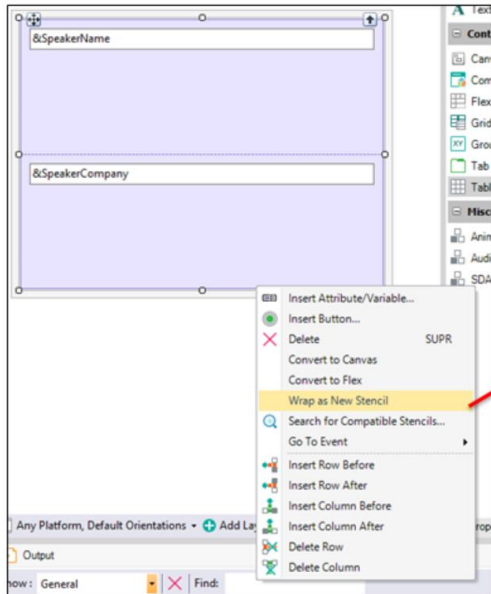
How do I create a new Stencil?

- 1. Create new stencil object**
- 2. Wrap as stencil an existing design**
- 3. Import from Sketch** 

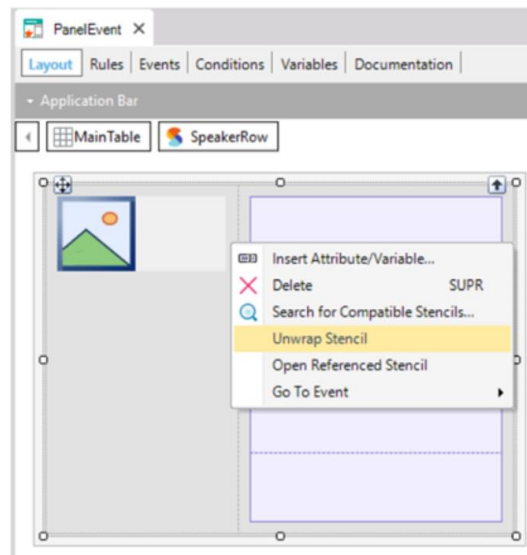
1. Create new Stencil



2. Wrap as New Stencil



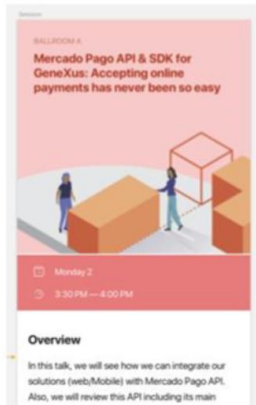
Unwrap Stencil



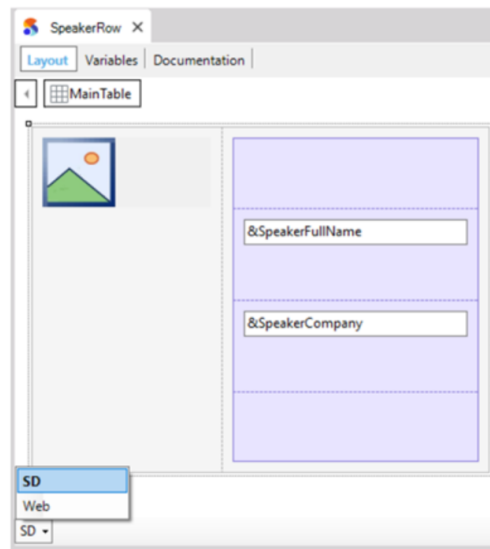
3. Import from Sketch (Coming soon)



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SD & WEB





- + Modifiability**
- + Reuse**
- + Flexibility**

*“Stencils help to define standards and consistency,
simplifying the implementation of Design Systems.”*



User Control Object

Controls

Base styles



Kristy

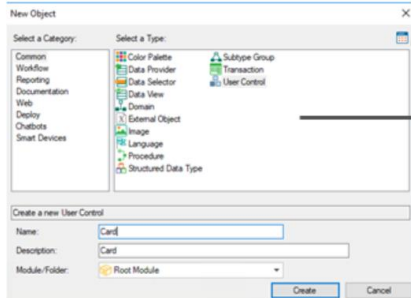
Joined in 2013

Kristy is an art director living in New York.

 22 Friends

```
<div class="ui card">
  <div class="image">
    /div>
  <div class="content">
    <a class="header">Kristy</a>
    <div class="meta"> <span class="date">Joined in 2013</span> </div>
    <div class="description"> Kristy is an art director living in New York. </div>
  </div>
  <div class="extra content">
    <a> <i class="user icon"></i> 22 Friends </a>
  </div>
</div>
```

Controls



Control Screen Template | User Control Properties | Documentation

```
1 <div class="ui card">
2   <div class="image">
3      </div>
4   <div class="content">
5     <a class="header">Kristy</a>
6     <div class="meta"> <span class="date">Joined in 2013</span> </div>
7     <div class="description"> Kristy is an art director living in New York. </div>
8   </div>
9   <div class="extra content">
10    <a <i class="user icon"></i> 22 Friends </a>
11  </div>
12 </div>
```

↓

```
<div class="ui card">
  <div class="image">
     </div>
    <div class="content">
      <a class="header">{{Title}}</a>
      <div class="meta"> <span class="date">{{MetaInfo}}</span> </div>
      <div class="description"> {{Description}} </div>
    </div>
    <div class="extra content">
      <a <i class="user icon"></i> {{ExtraContent}} </a>
    </div>
  </div>
```

SemanticUI

☐ BSBreadcrumb

☐ BSPanel

☐ ButtonLike

☐ Card

☐



Event Start

```
card1.Title = "Facundo"
card1.MetaInfo = "Nacio en 2011"
card1.Description = "Minecraft fan"
card1.ExtraContent = "No tiene Facebook"
card1.ImageUrl = "https://genexususa.com/wp-content/uploads/2017/08/Gaston-Milano-GeneXus-CT0-cropped.jpg"
pg"
EndEvent
```



- + Portability**
- + Load Performance**
- + Easy to extend & share**

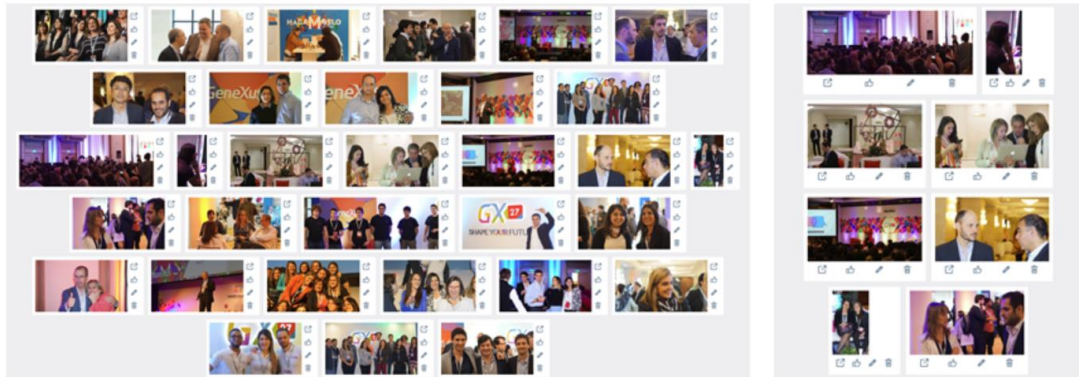
**Streams of information
and more about grids**

Flex layouts



Web/SD

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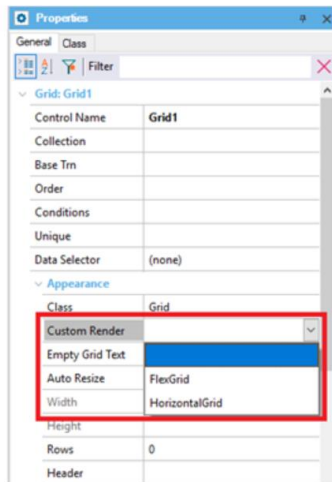


Flex layout container, Flex Grid

Web

Flex layout container, Flex Grid

GeneXus



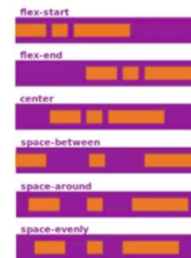
Flex Direction



Flex Wrap

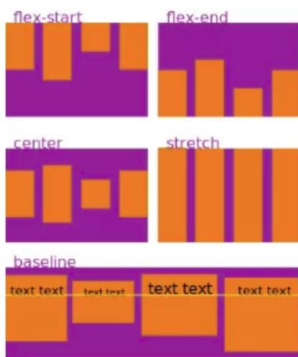


Justify Content



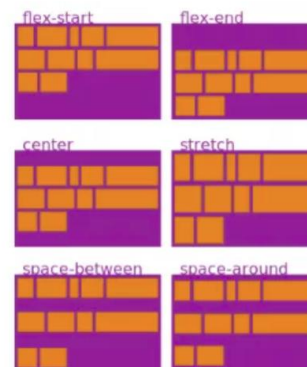
Align Items

It defines the alignment of the items in the rows.

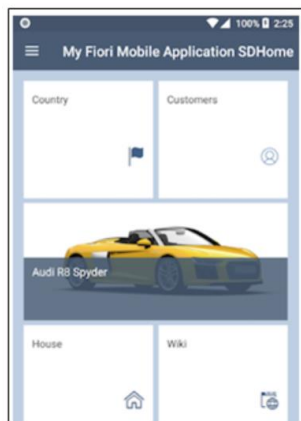


Align Content

Aligns the row when there is extra space in the container.



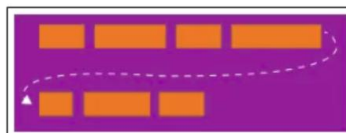
SD



FlexGrid

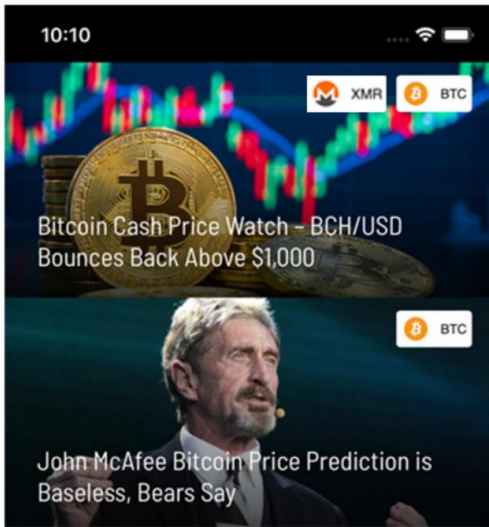


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SD

BitBitNews

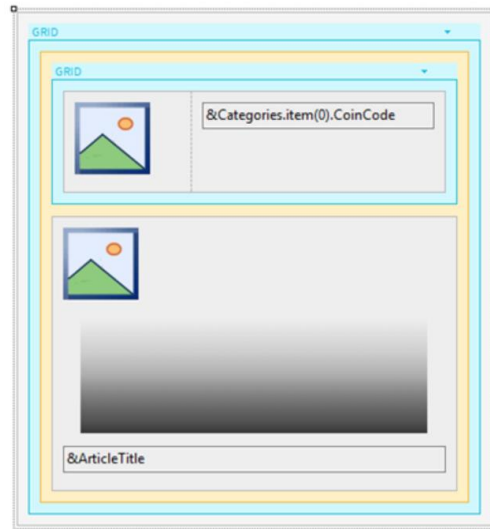


Flex + Nested Grids

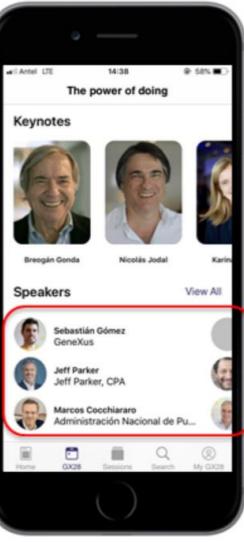
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Justify Content

flex-end



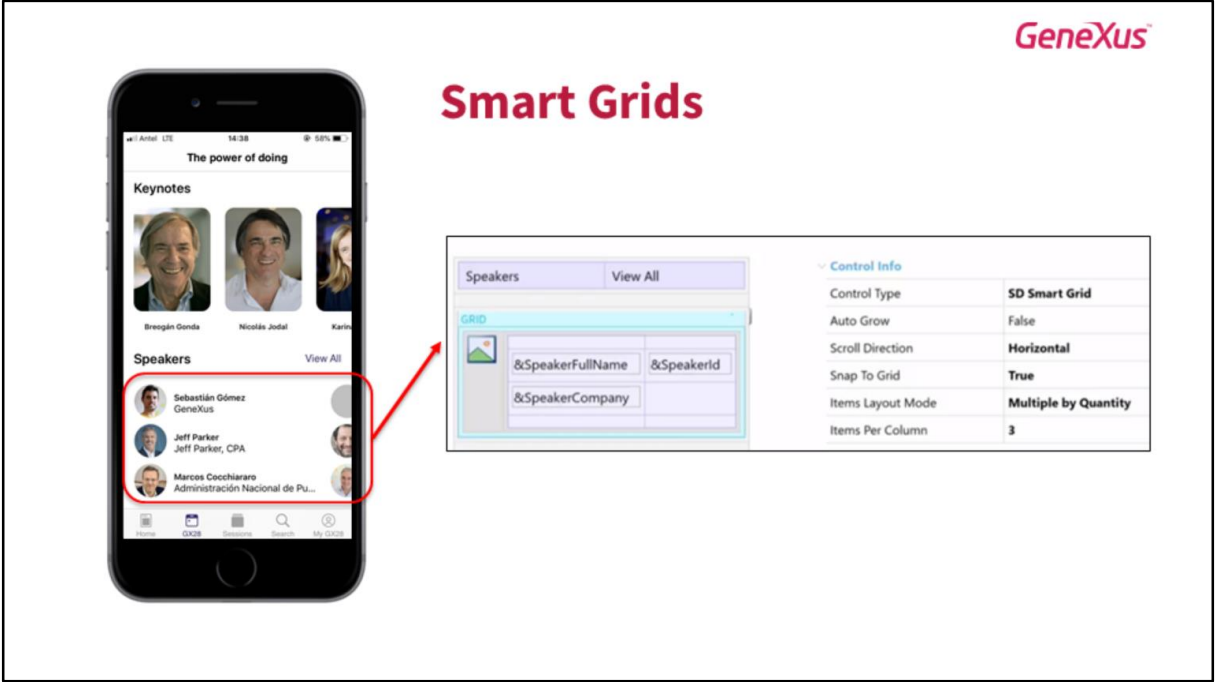





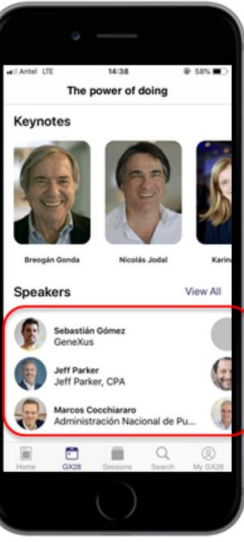
Smart Grids

Control Info	
Control Type	SD Smart Grid
Auto Grow	False
Scroll Direction	Horizontal
Snap To Grid	True
Items Layout Mode	Multiple by Quantity
Items Per Column	3

Speakers		View All
GRID		
	&SpeakerFullName &SpeakerCompany	&SpeakerId








Smart Grids

Control Info	
Control Type	SD Smart Grid
Auto Grow	False
Scroll Direction	Horizontal
Snap To Grid	True
Items Layout Mode	Multiple by Quantity
Items Per Column	3

Speakers		View All
GRID		
	&SpeakerFullName &SpeakerCompany	&SpeakerId

More about...



More about Grids

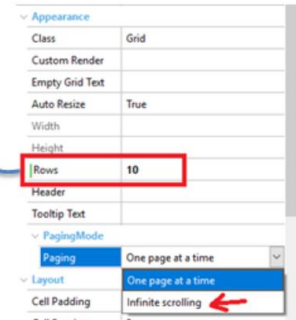
SD

- Unique property for grids (Web & SD)
- Inverse Loading property
- Grid Refresh method is available on SDPanels and Work With for Smart Devices
- Improvements to Grids with Multiple Selection for Smart Devices
- ShowPageController property in runtime

More about Grids

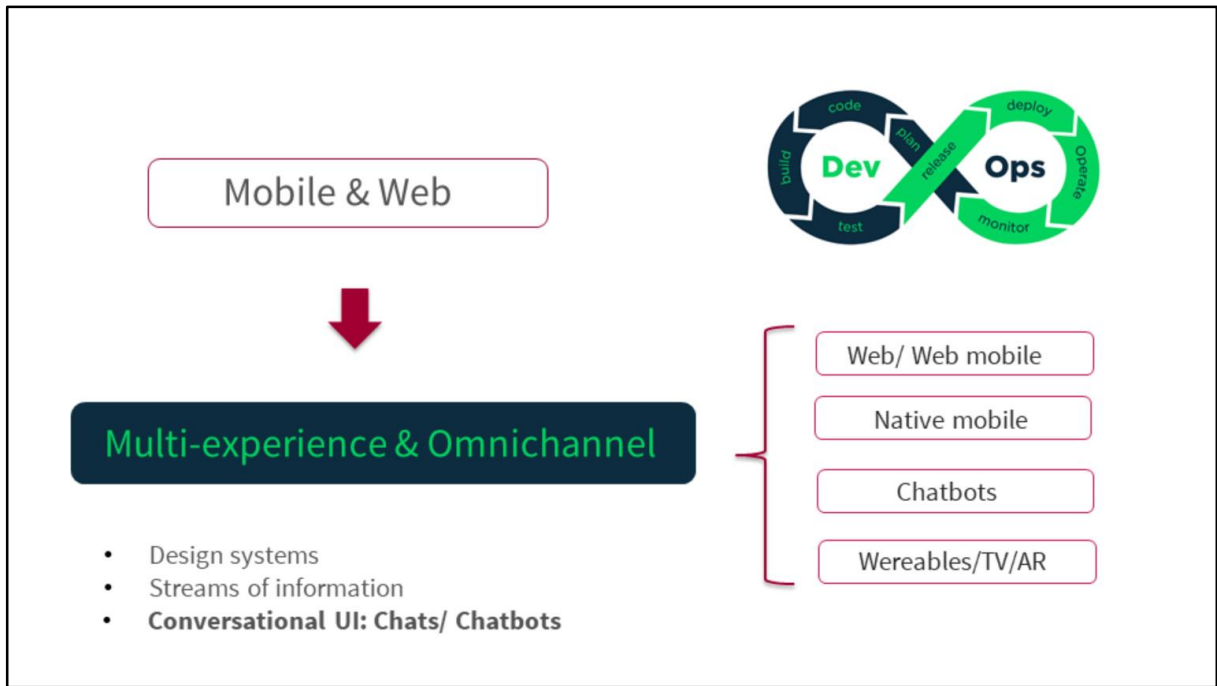
Web

- Unique property for grids
- Inverse Loading property (when **Rows \neq 0**) → use case: chat
- It's possible to set up a Fixed Grid header with vertical scroll
- Header property and Header Text Class property (for grids and tables)
- Select method and Deselect method



A screenshot of a configuration panel for a grid. The panel is divided into sections: Appearance, PagingMode, and Layout. In the Appearance section, the 'Rows' property is set to '10' and is highlighted with a red rectangle. A blue curved arrow points from the text 'use case: chat' in the list to this 'Rows' property. In the Layout section, the 'Cell Padding' property is set to 'Infinite scrolling' and is highlighted with a red rectangle. A red arrow points to this 'Infinite scrolling' value.

Appearance	
Class	Grid
Custom Render	
Empty Grid Text	
Auto Resize	True
Width	
Height	
Rows	10
Header	
Tooltip Text	
PagingMode	
Paging	One page at a time
Layout	
Cell Padding	Infinite scrolling



We just saw the first two points. We will continue with more aspects of the multi-experience applications.

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