GeneXus™
The power of doing

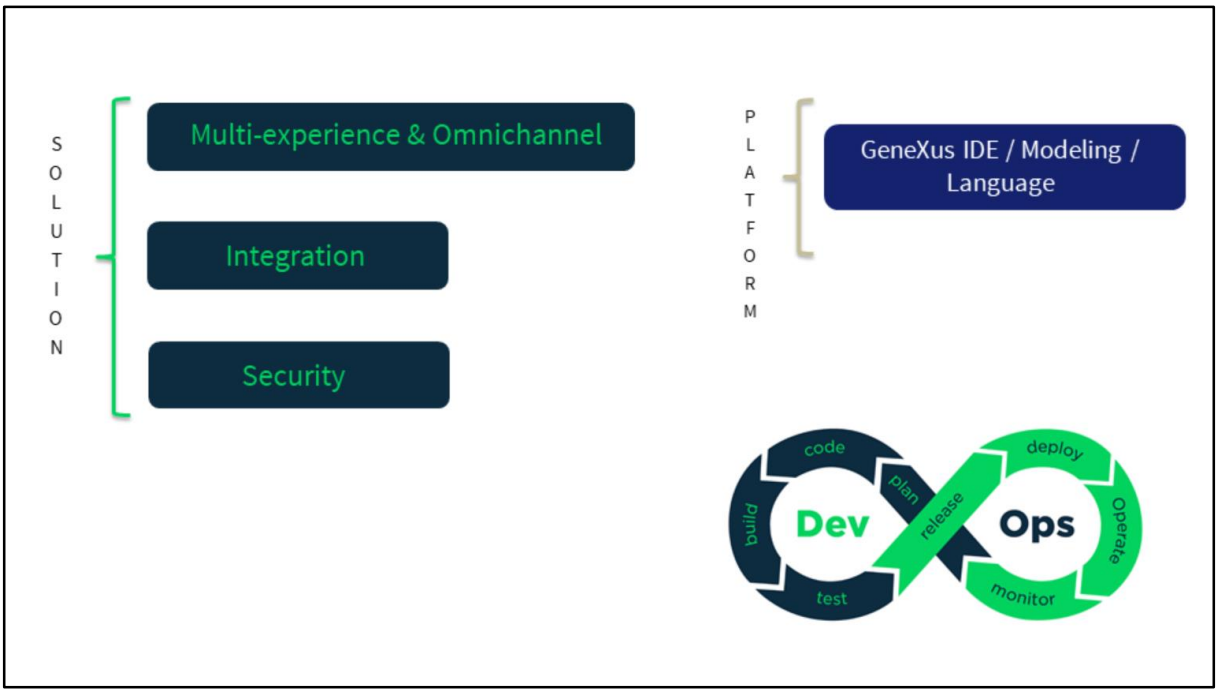
Update to GeneXus 16

GeneXus Training Program

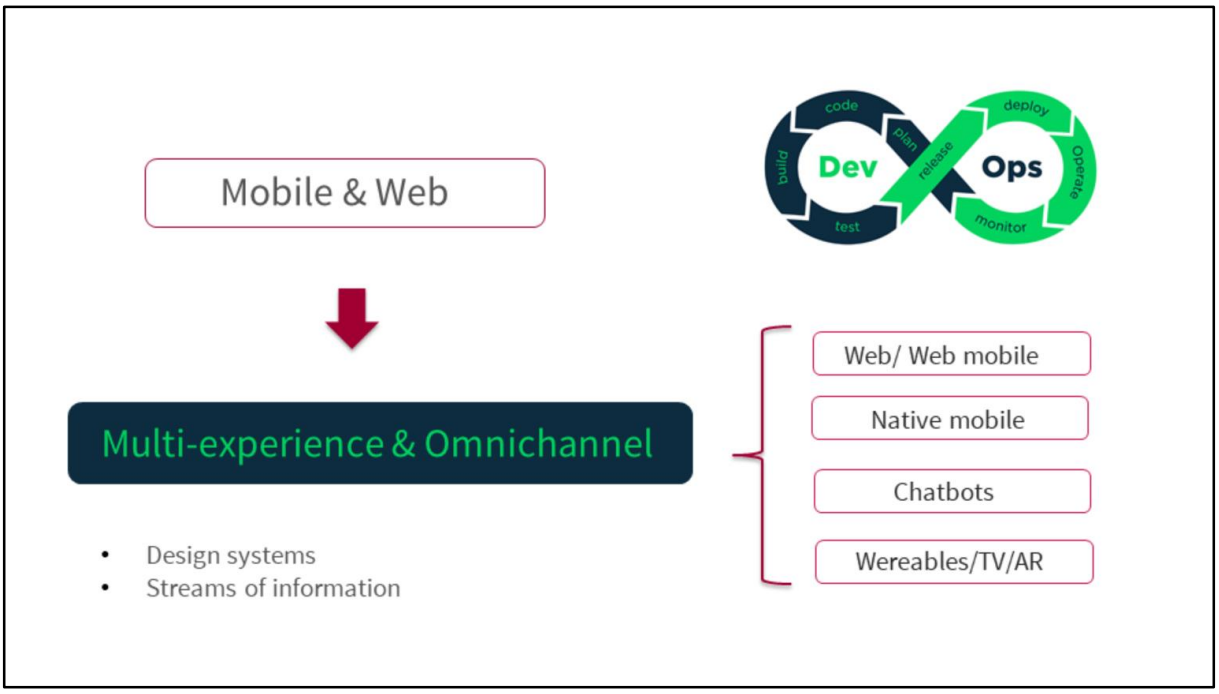
GeneXus 16

Development

GeneXus 16



En lo que sigue veremos a la vez nuevas posibilidades para las soluciones desarrolladas y cómo conseguir la implementación en la plataforma.



Dijimos en la presentación que de una experiencia mobile y web, pasamos a la idea de la multi-experiencia...

En esta sección del curso veremos los primeros dos puntos que habíamos mencionado antes: los Design Systems y cómo lograr que los grids presenten su información de manera más fluida.

Design Systems

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Principles

Patterns

Practices

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Design Systems

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Integrate the designers (Design Ops)

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Design system

- Base styles
- Themes
- Controls
- Stencils
- Patterns
- Master Page

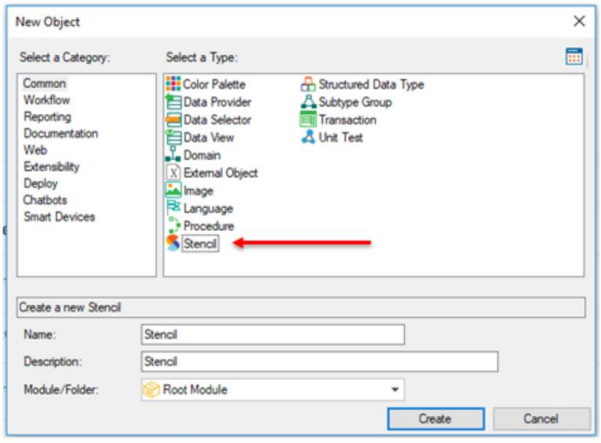
Controls | Base styles

CSS Frameworks

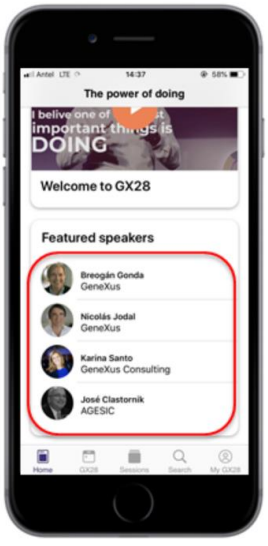
etc...

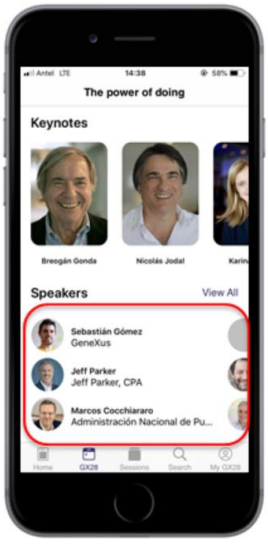
Stencils

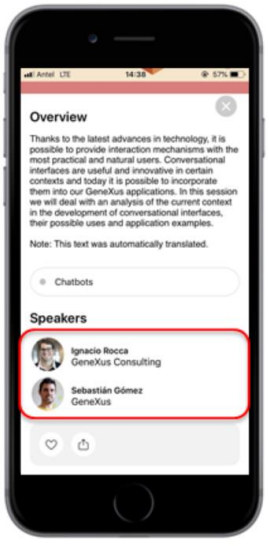
What is a Stencil?



GX28 – Speaker example

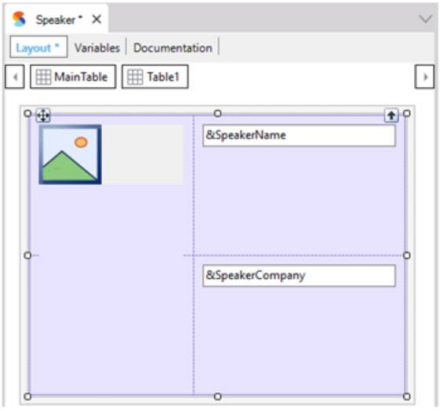






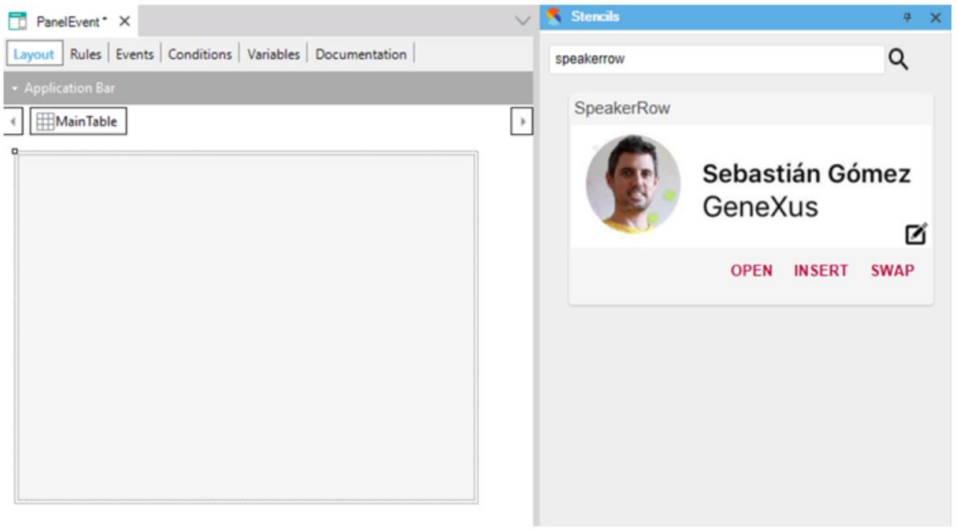
Stencil Object

Controls + design properties



Sebastián Gómez
GeneXus

Inserting an Stencil on my layout



Stencil versions

V.1

Sebastián Gómez
GeneXus

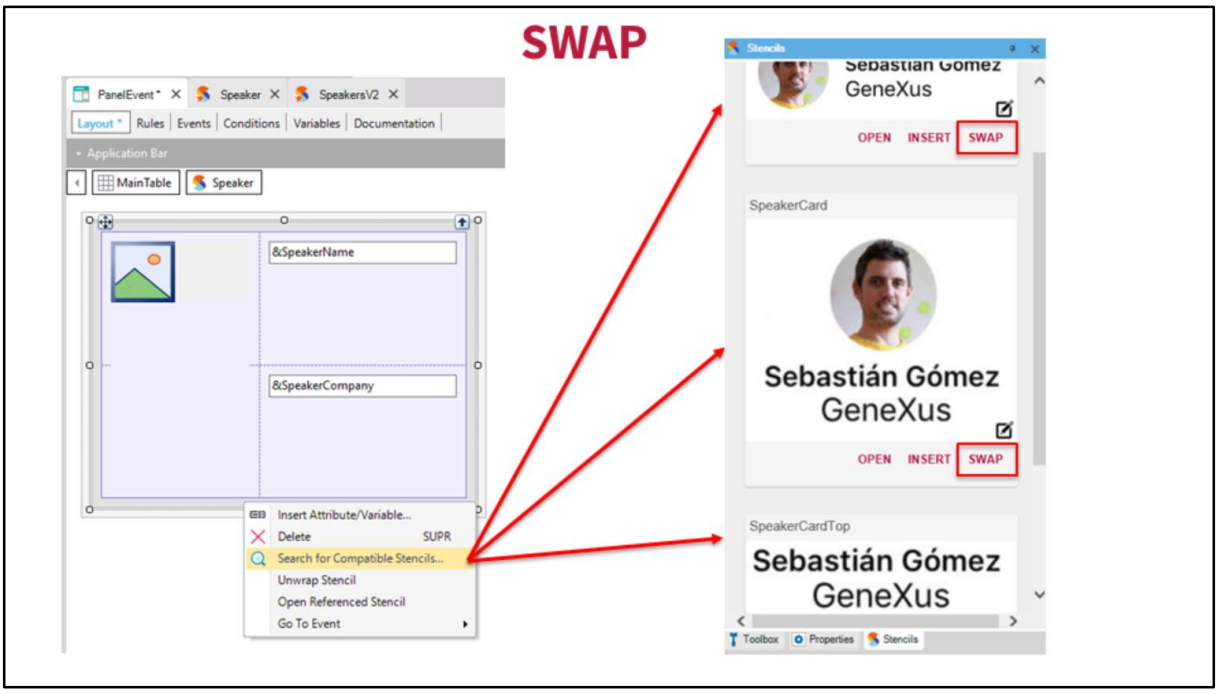
V.2 Sebastián Gómez
GeneXus

V.3

Sebastián Gómez
GeneXus

V.n…

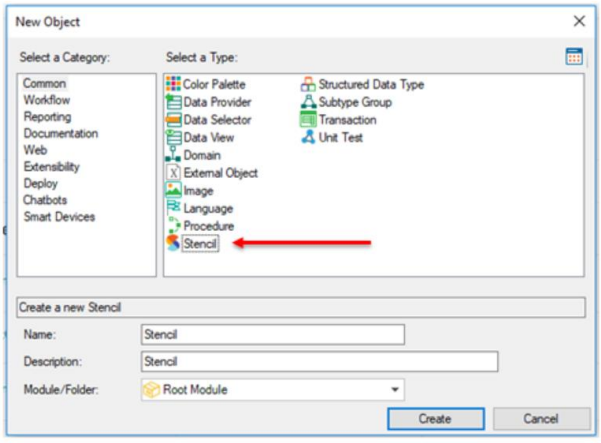
Lorem Ipsum


SWAP
PanelEvent *
Speaker
SpeakersV2
Layout *
Rules
Events
Conditions
Variables
Documentation
Application Bar
MainTable
Speaker
&SpeakerName
&SpeakerCompany
Insert Attribute/Variable...
Delete SUPR
Search for Compatible Stencils...
Unwrap Stencil
Open Referenced Stencil
Go To Event
Stencils
GeneXus
OPEN INSERT SWAP
SpeakerCard
Sebastián Gómez
GeneXus
OPEN INSERT SWAP
SpeakerCardTop
Sebastián Gómez
GeneXus
Toolbox
Properties
Stencils

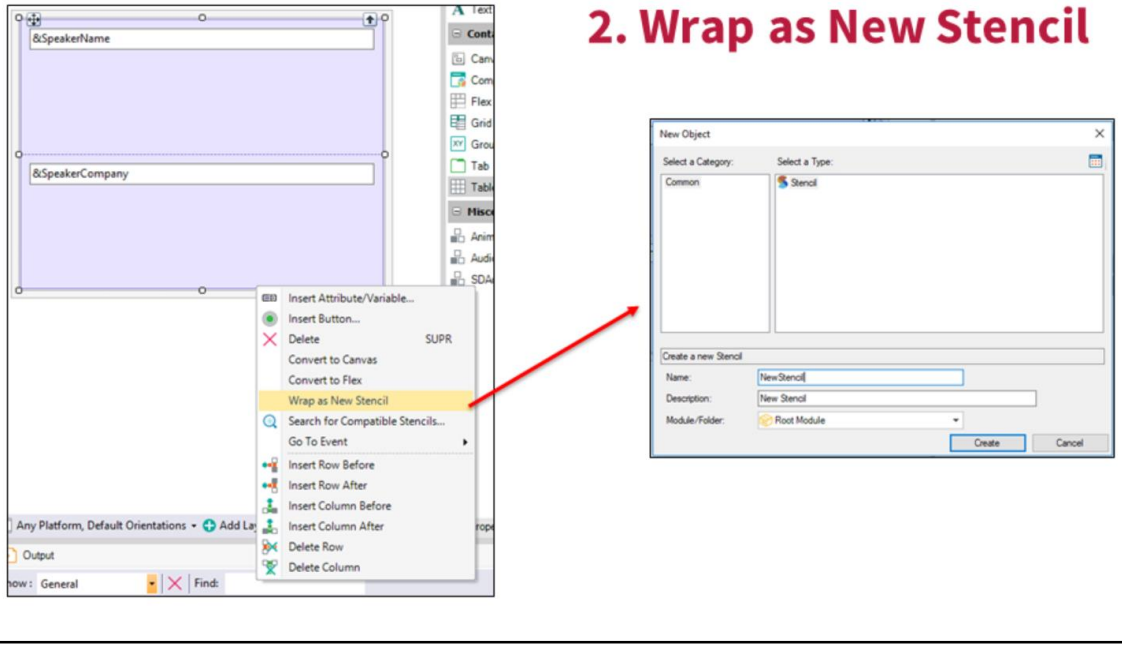
How do I create a new Stencil?

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

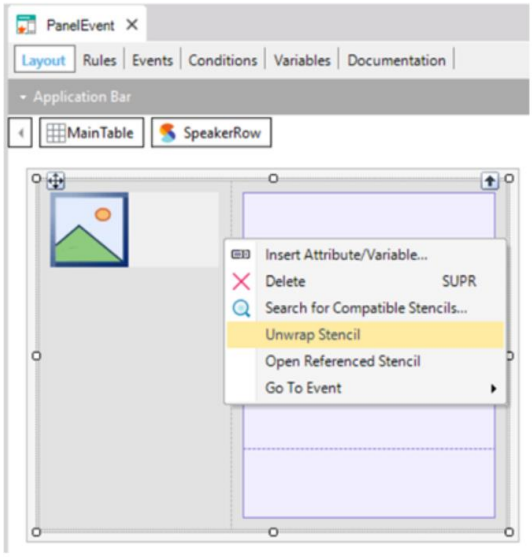
1. Create new Stencil



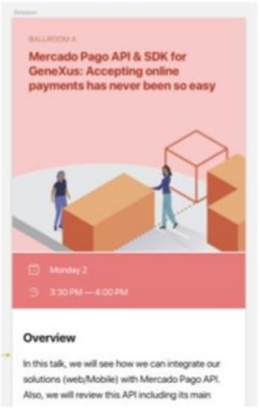
2. Wrap as New Stencil



Unwrap Stencil



3. Import from Sketch (Coming soon)



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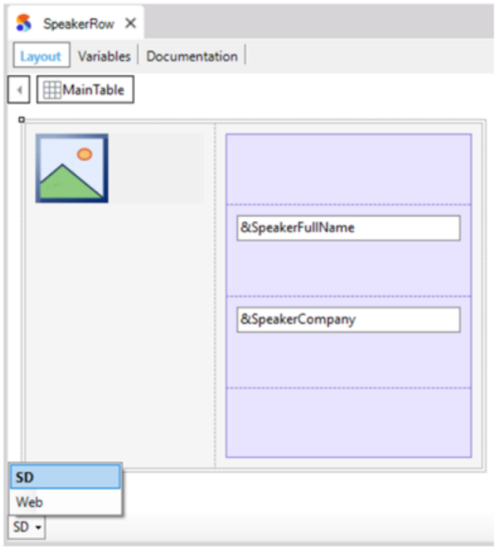
The power of doing

SD & WEB


SpeakerRow
Layout
Variables
Documentation
MainTable
&SpeakerFullName
&SpeakerCompany
SD
Web
SD

+ Modifiability
+ Reuse
+ Flexibility

"Stencils help to define standards and consistency, simplifying the implementation of Design Systems."

User Control Object

Controls | Base styles

Kristy

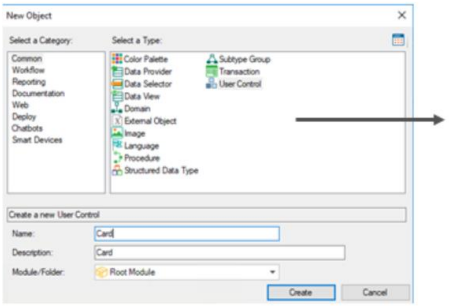
Joined in 2013

Kristy is an art director living in New York.

22 Friends

```
<div class="ui card">
   <div class="image">
      <img src="/images/avatar2/large/kristy.png"> </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>
```

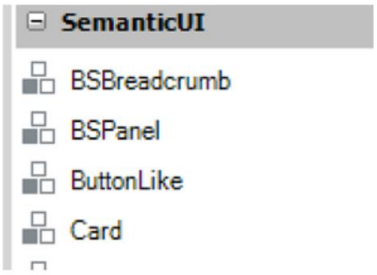
Controls



Control Screen Template * | User Control Properties | Documentation

```
<div class="ui card">
   <div class="image">
      <img src="/images/avatar2/large/kristy.png"> </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>
```

```
<div class="ui card">
   <div class="image">
      <img src="{{ImageUrl}}"> </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>
```



```
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-CTO-cropped.j
pg"
EndEvent
```

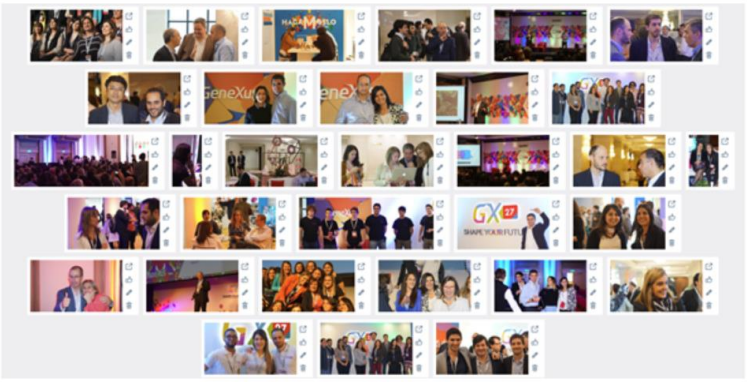
+ Portability
+ Load Performance
+ Easy to extend & share

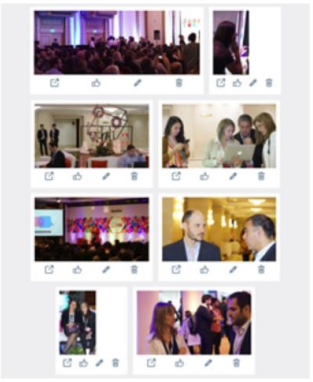
Streams of information and more about grids

Flex layouts

Web/SD

GeneXus



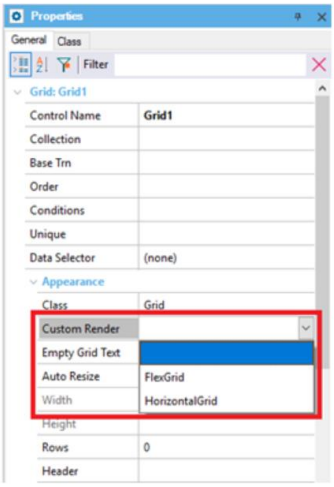


Flex layout container, Flex Grid

Web

Flex layout container, Flex Grid

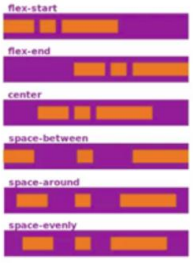
GeneXus



Flex Direction

Flex Wrap

Justify Content

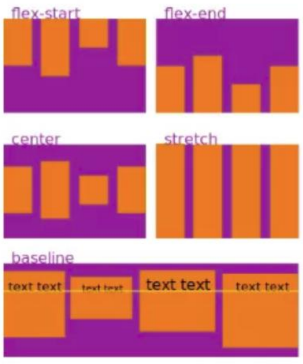


Web

GeneXus

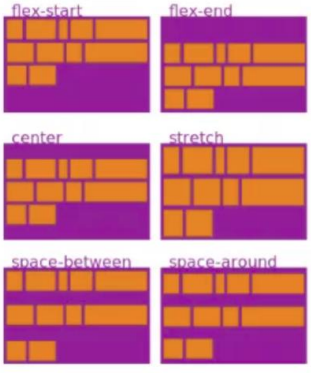
Align Items

It defines the alignment of the items in the rows.



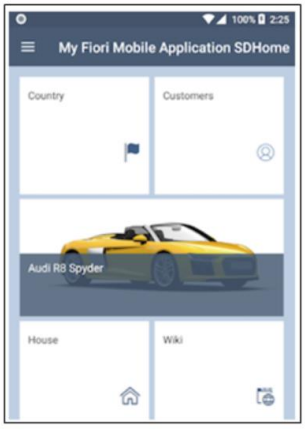
Align Content

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

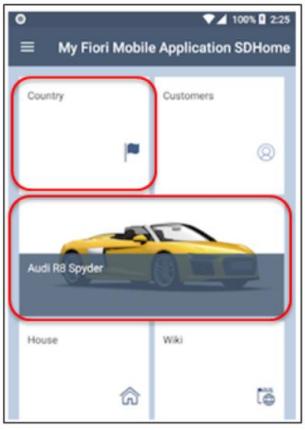


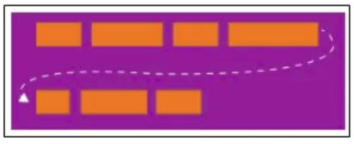
SD

GeneXus



FlexGrid

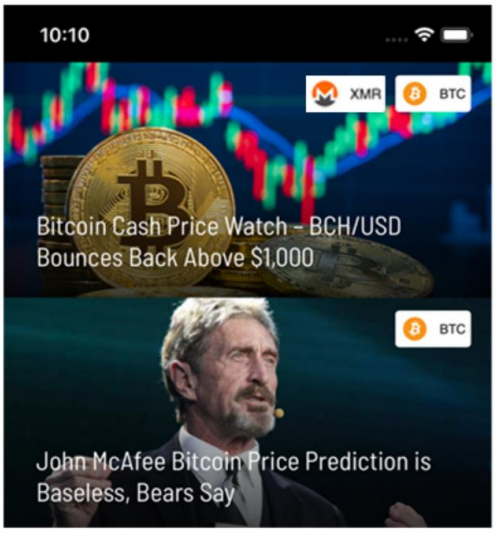


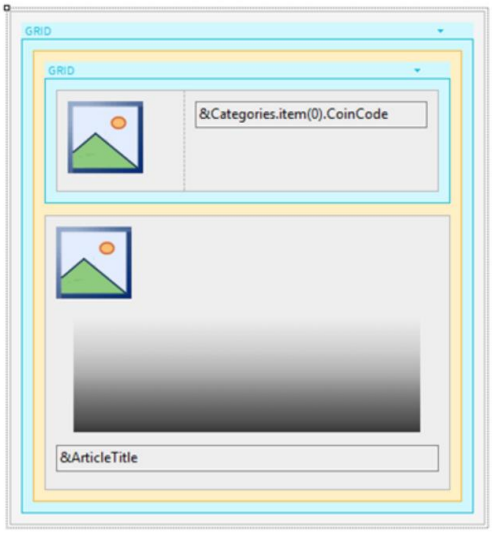


SD BitBitNews

Flex + Nested Grids GeneXus

Justify Content flex-end





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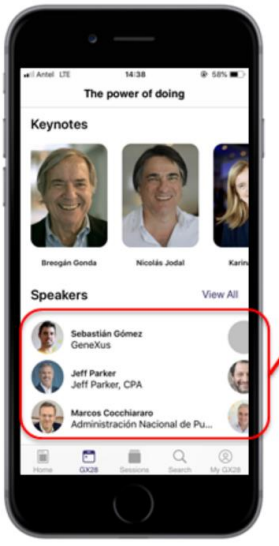
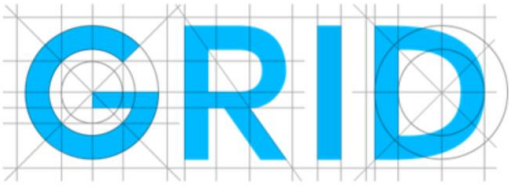
Smart Grids



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

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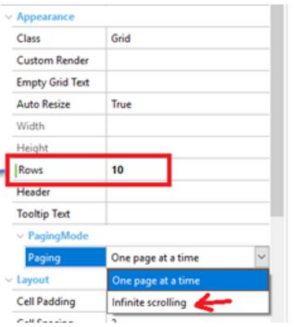
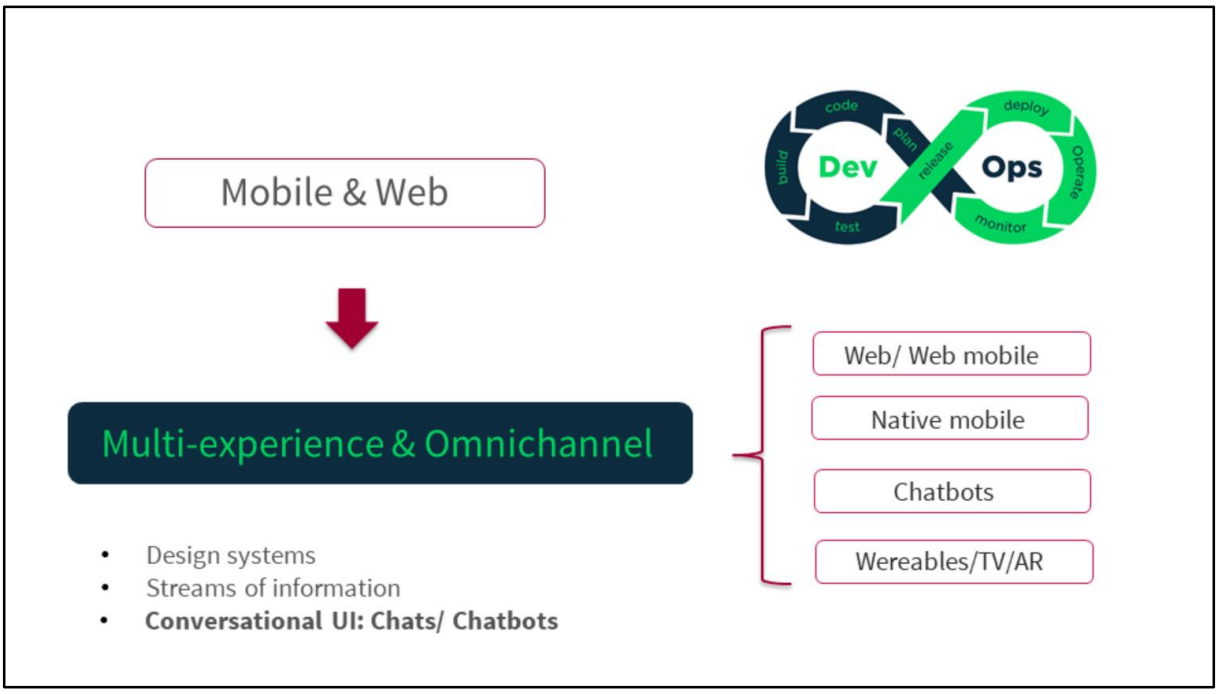
More about Grids

Web

- Unique property for grids
- Inverse Loading property (when **Rows ≠ 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





Acabamos de ver los primeros dos puntos. Seguiremos con más aspectos de las aplicaciones multi-experiencia.

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