Let's Lay Out the Layout!

András Velvárt

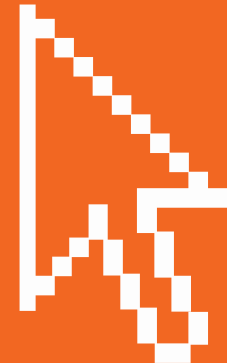@vbandi | http://vbandi.dotneteers.net

Module Overview

Layout is positioning and sizing controls

The XAML Layout Engine

Key to running on different devices

Not simple, but worth it

The Border Control and the Properties Window

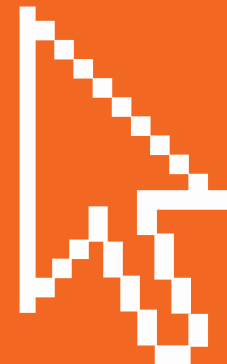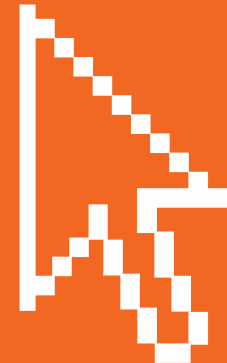# Resizing and Positioning Within a Border

Viewbox

Viewbox Stretch Modes

Stretch	Resized	Cropped	Distorted
None			
Fill	✓		✓
Uniform	✓		
UniformToFill	✓	✓	

StrectDireciont	Enlarge	Shrink
UpOnly	✓	
DownOnly		✓
Both	✓	✓

ScrollViewer

Introduction to Panels and Blend

Some Built-in Panels

Panel

Canvas StackPanel RelativePanel Grid
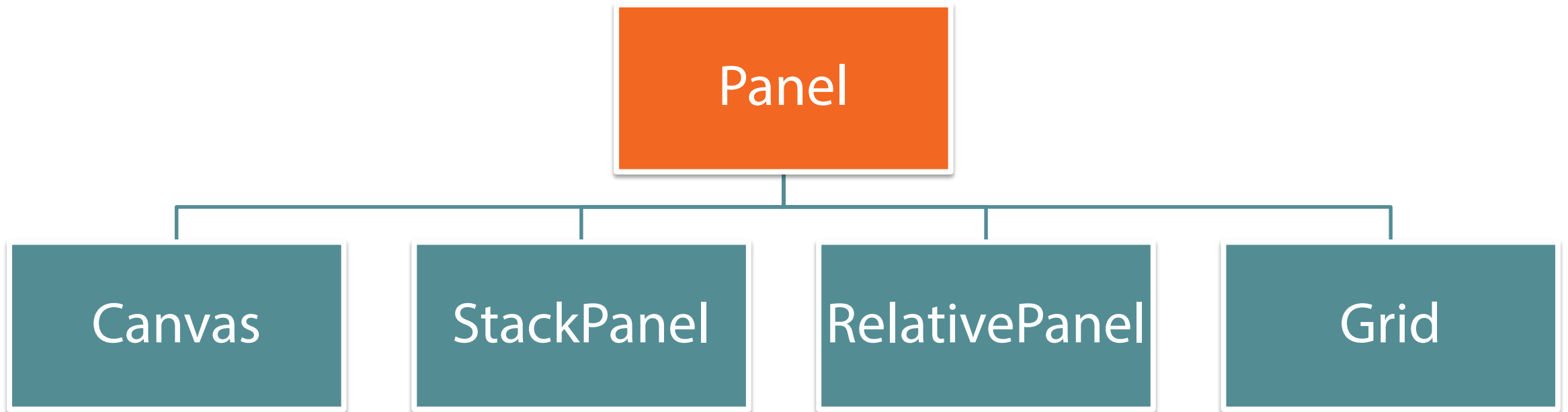
Canvas

Attached Properties

- Canvas.Left, Canvas.Top

- Defined in Canvas

- Very useful for extending XAML
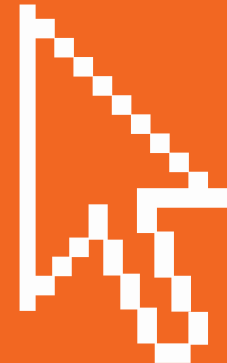 - <Button FunkyLayoutPanel.Funkiness="30000">

StackPanel

Performance Considerations

- Layout can be very expensive, because:

  - Size and position of controls depend on each other

  - With some controls, this dependency can be very complex

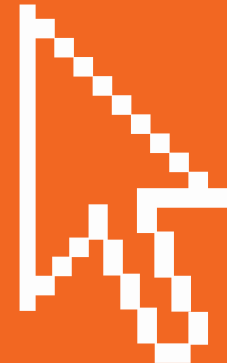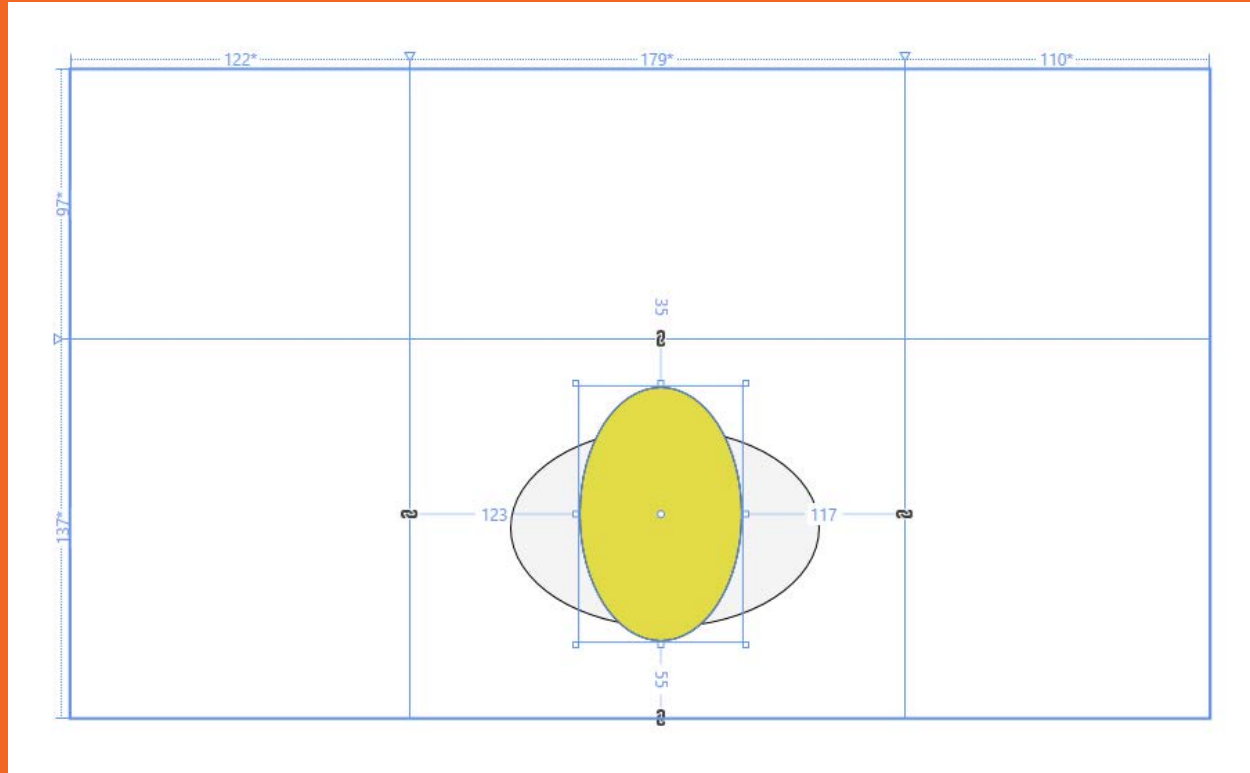- Recommended: use simple layout panels wherever possible

Combining a ScrollViewer with a StackPanel
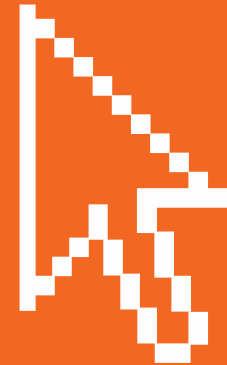
RelativePanel

The Grid

Creating the Nameday Project

Replicating the Target Layout

Summary

Containers can be nested

Important for different devices and screen sizes

Experiment, have fun

English: Submit Speed

German, fixed width: Absenc Geschv

German, auto width: Absenden Geschwindigkeitsbegrenzung