

## Fluent Design Principles

#### **ADAPTIVE**

Feels natural on any device

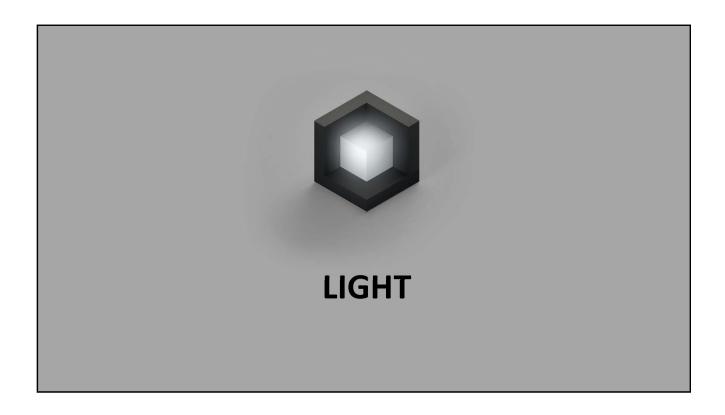
#### **EMPATHETIC**

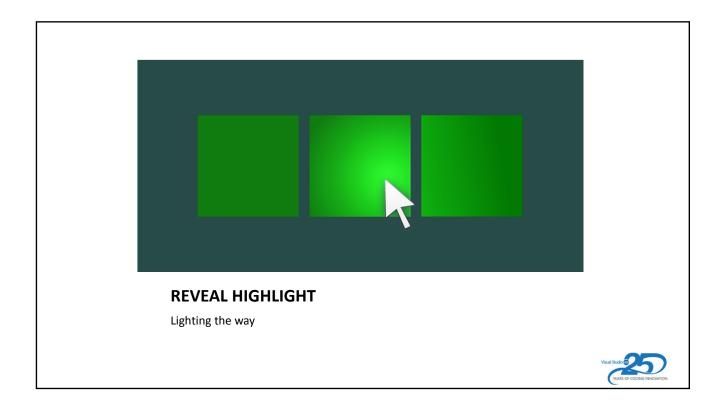
Intuitive and powerful

#### **BEAUTIFUL**

Engaging and immersive





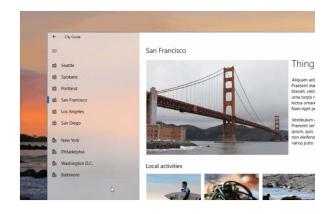


## Reveal Highlight

Shows interactive space by highlighting the elements borders

Identifies actionable areas to the user, such as commands

Ideal for devices such as mouse or pointer





## Adding to Controls

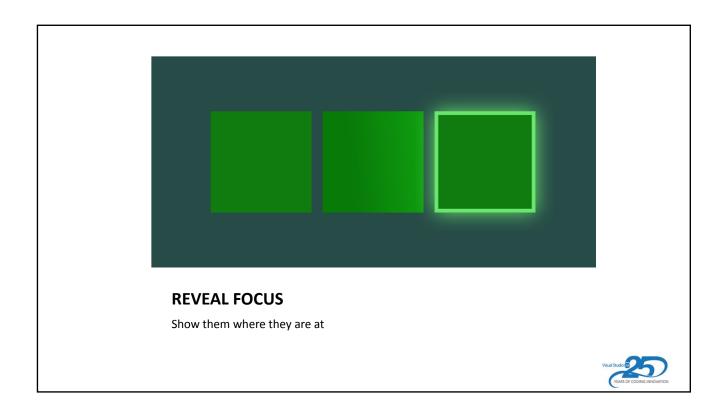
### Automatically Enabled

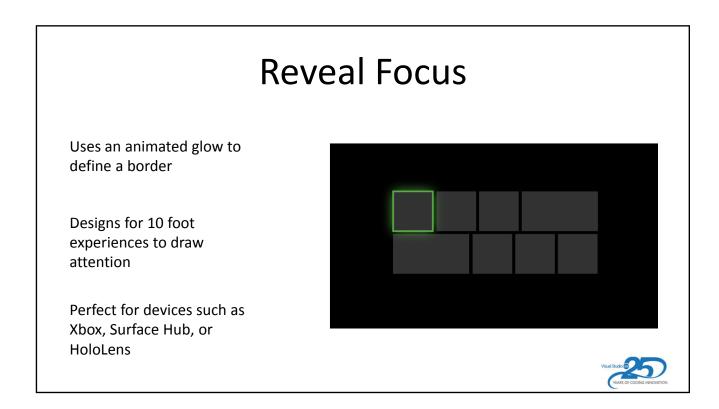
- ListView
- GridView
- TreeView
- NavigationView
- MediaTransport Control
- CommandBar

### **Enable by Style**

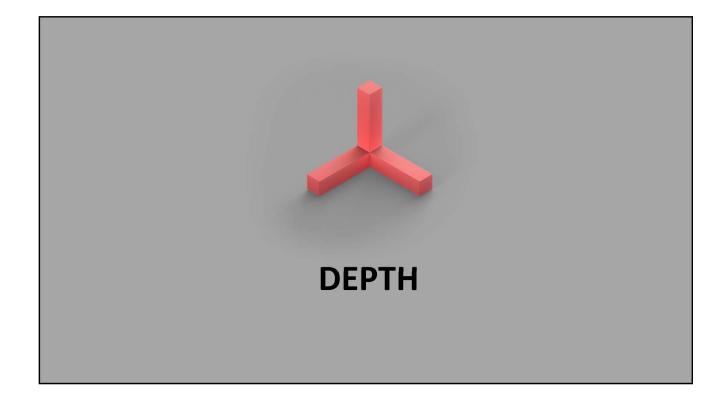
- Button
- ToggleButton
- RepeatButton
- AppBarButton
- AppBarToggleButton











T14 - Enhancing UWP Experiences with Fluent Design - Tony Champion

# Depth and UIs

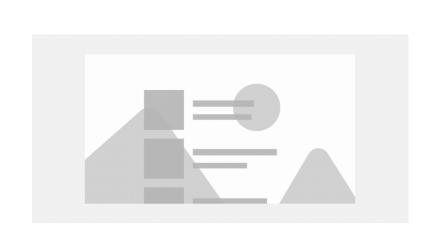
Depth helps users make sense of a 2-D world

Historically used in games, but now branching out

Perfect for communicating importance in a UI







#### **PARALLAX VIEW**

Depth through motion



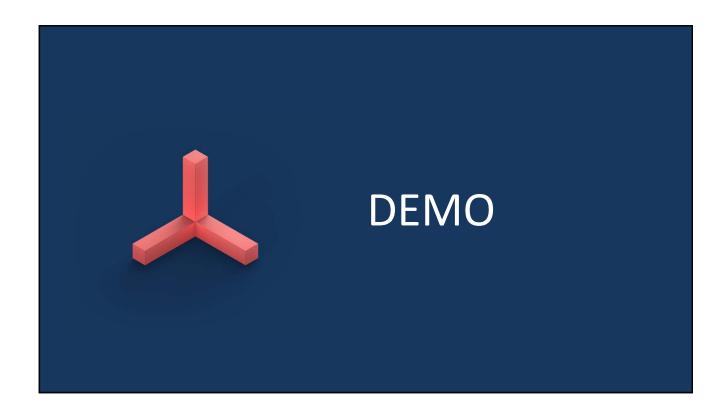
## Parallax View

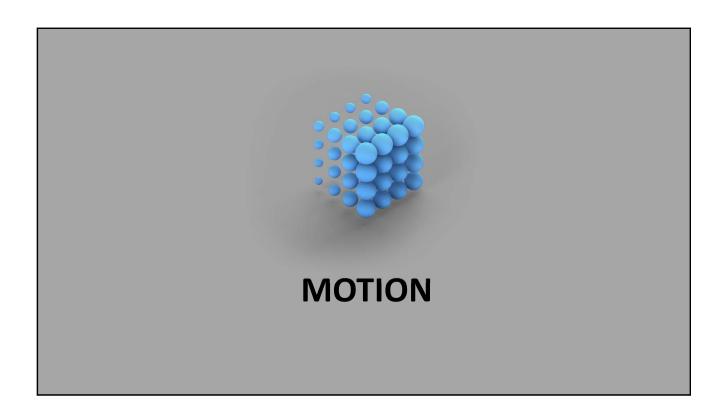
Depth based view to make the foreground look closer than the background

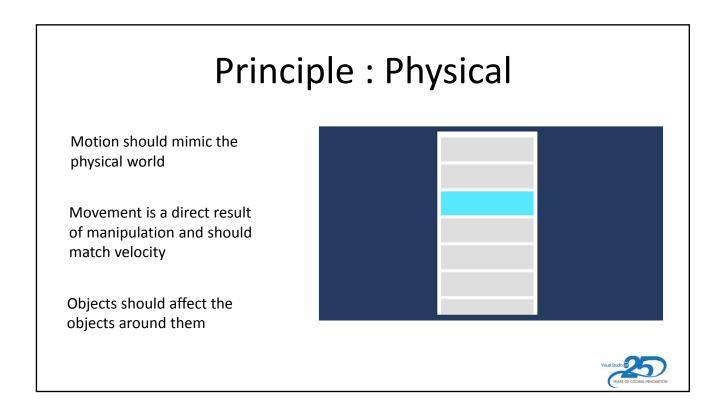
Works by moving across a small section of the background image during scrolling











# Principle: Functional

Motion should have purpose and intent

Guides user through complex screens

Great for increasing perceived performance



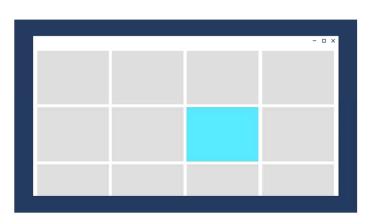


## Principle: Continuous

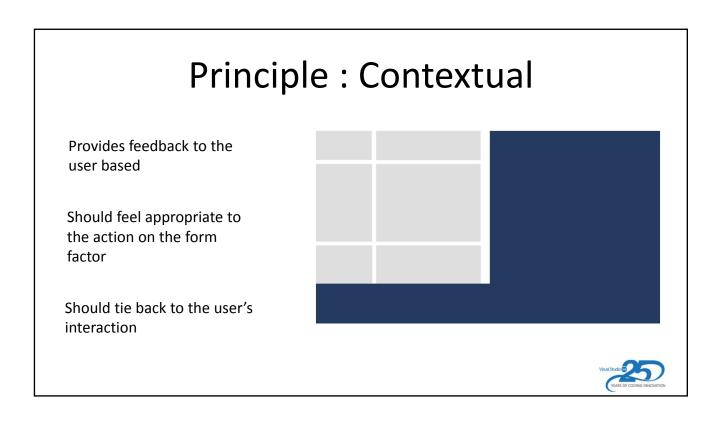
Fluid movement draws users eyes

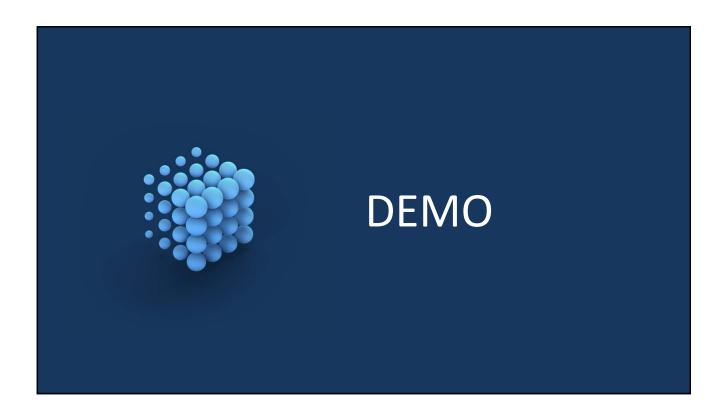
Stitches together a user's tasks, making it feel more natural

Objects can move and morph between screens









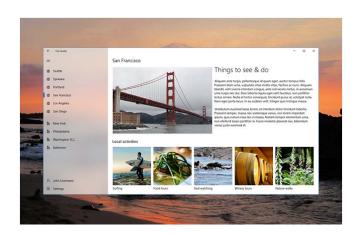


## Material in UIs

The real world is made of textures and materials

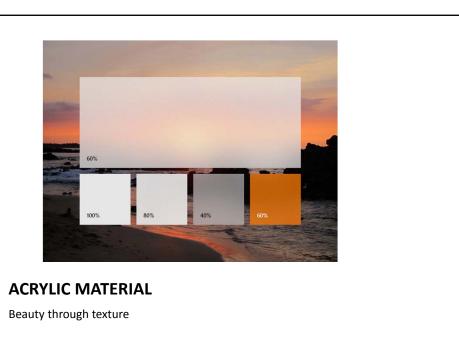
Effectively translating that into your apps will make them feel more natural

Been around awhile, remember he plastic and glass buttons of the 90's?





### Visual Studio Live! San Diego 2018

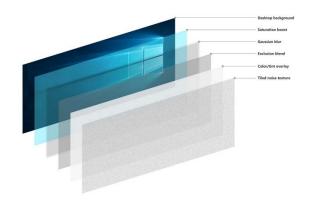




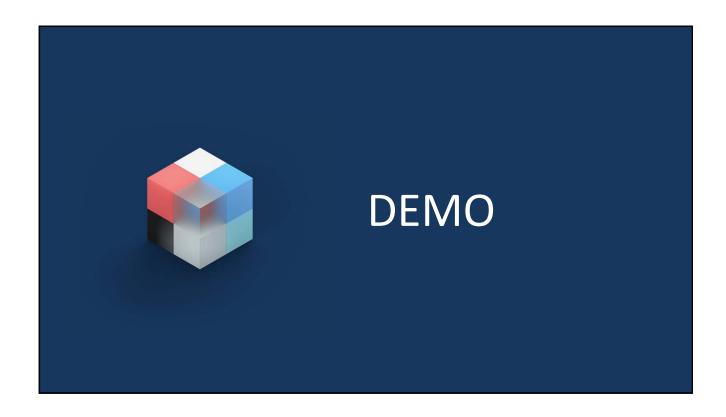
Is available as a brush inside of UWP

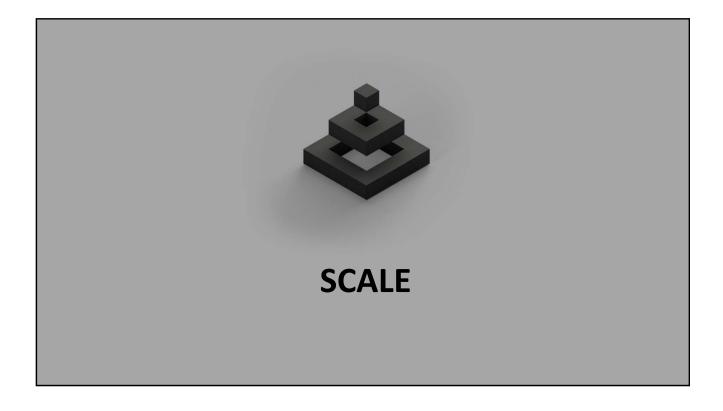
Use a single acrylic panel or multiple to simulate depth

CPU intensive, Windows will disable if resources are low









# Design for Multiple Devices

UI should fit the device

App should take advantage of the features available on each device

Just because it can run on any device, doesn't mean it shouldn't be optimized for each device





# Create a responsive layout

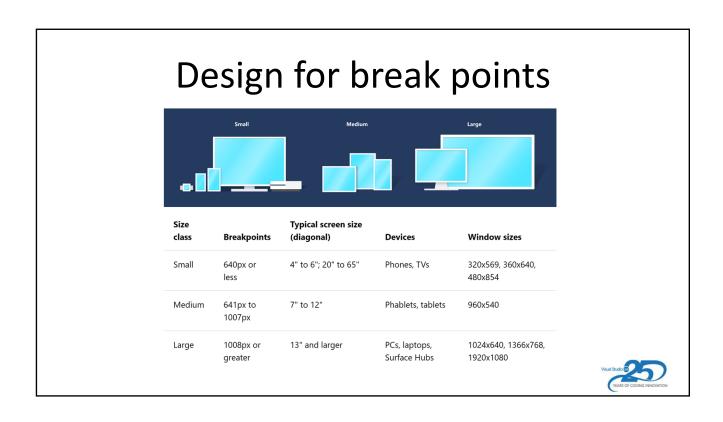
Layouts should move with size of the app

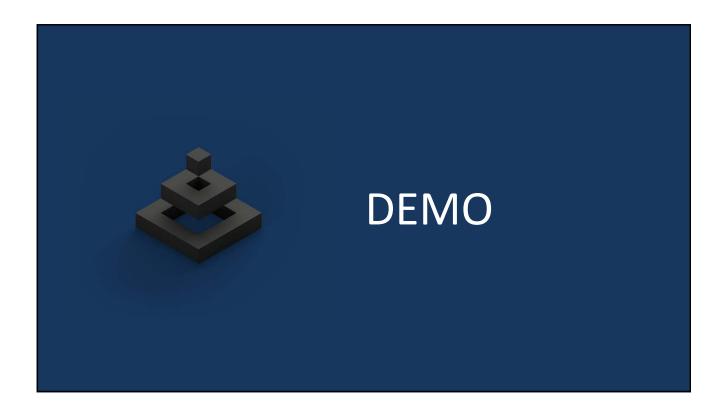
Optimize for inputs as well as layout

Goes a long way towards supporting multiple devices





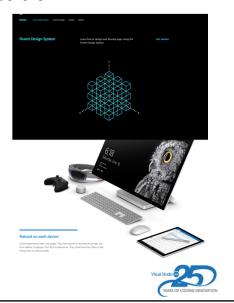




## Learn more about FLUENT

http://fluent.microsoft.com

- Documentation
- Code Samples
- Design Toolkits



## THANK YOU

**QUESTIONS OR COMMENTS?** 

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