

06 | Designing and Implementing Navigation in a Windows Store App

Jerry Nixon | Microsoft Developer Evangelist

Daren May | President & Co-founder, Crank211

Module Agenda

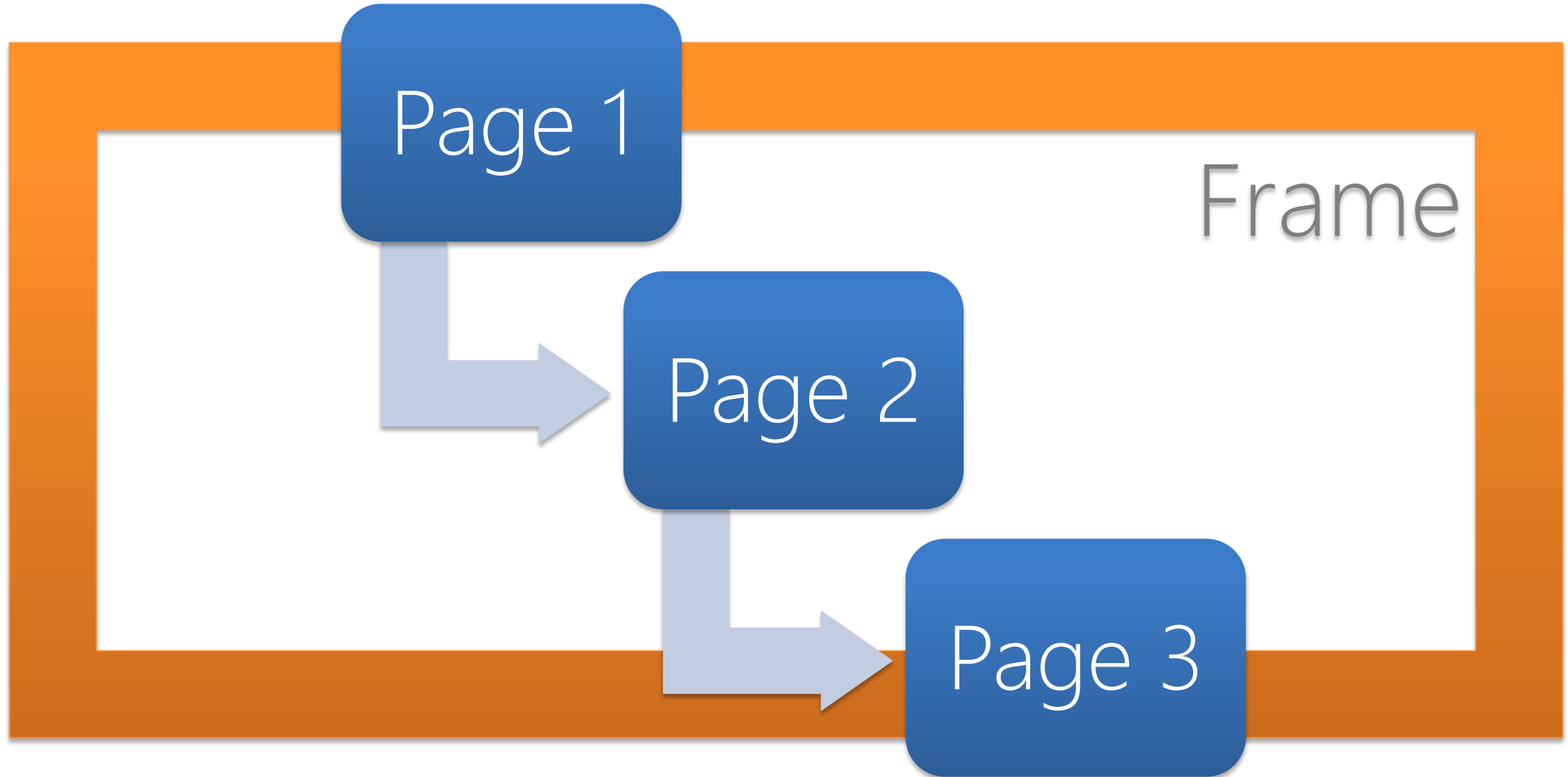
- Understand Navigation
- Data Hierarchy
- Top App Bar
- Semantic Zoom

Understanding Navigation

MVA

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Browser-like Navigation



Navigation Frame

- **Windows.UI.Xaml.Controls.Frame**
 - Navigate(Type), Navigate(Type, Object)
 - Navigated, Navigating, NavigationFailed, NavigationStopped
 - CanGoBack, GoBack()
 - CanGoForward, GoForward()
 - GetNavigationState(), SetNavigationState(String)
- **Windows.UI.Xaml.Controls.Page**
 - Frame
 - OnNavigatingFrom
 - OnNavigatedTo, OnNavigatedFrom

Page.NavigationCacheMode

- **Disabled (Default)**
 - A new instance is created on each visit
- **Required**
 - A cached instance is reused after the first visit
- **Enabled**
 - The cached instance is discarded when cache size is exceeded

Data Hierarchy

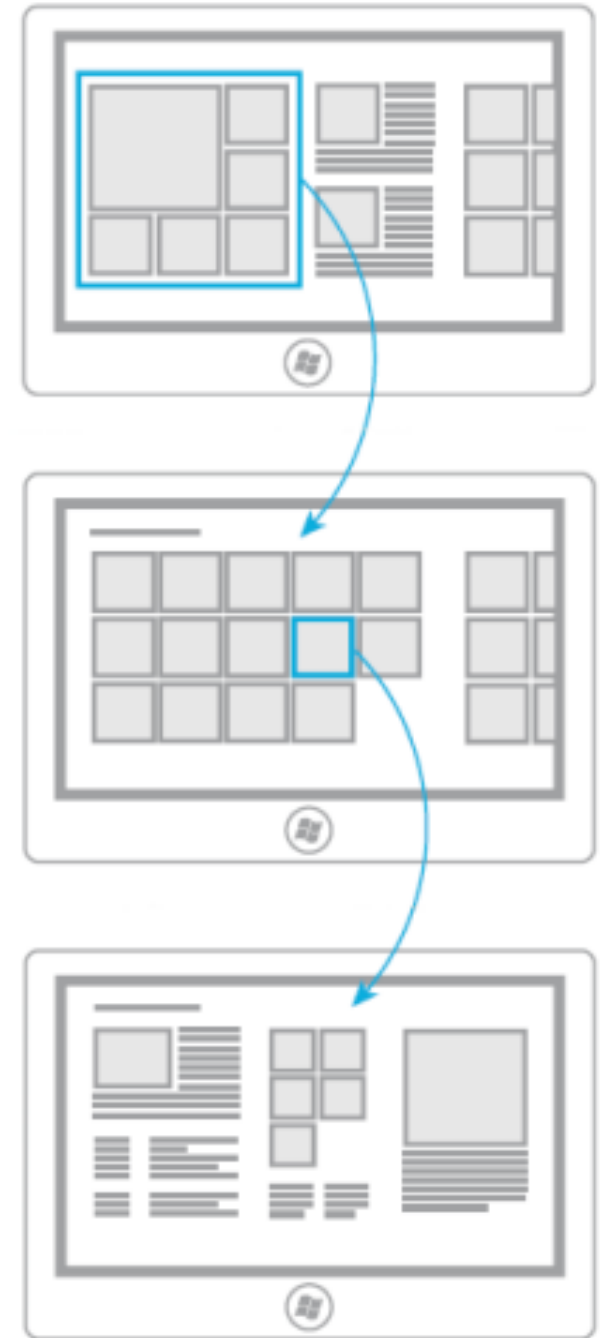
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Hierarchical Design

Most Windows Store apps in Windows 8 will use a hierarchical system of navigation.

- **Hub**
 - Entry point and Overview
- **Section**
 - Grouped & panorama of Items
- **Detail**
 - Details of an individual Item



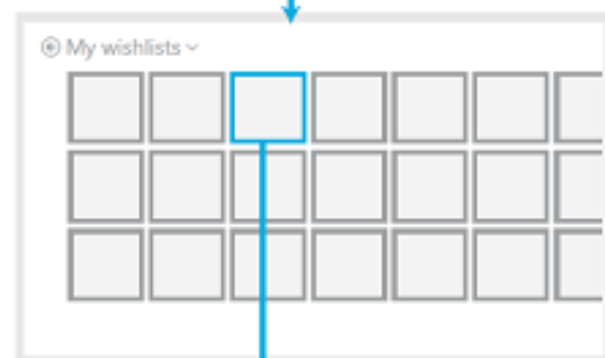
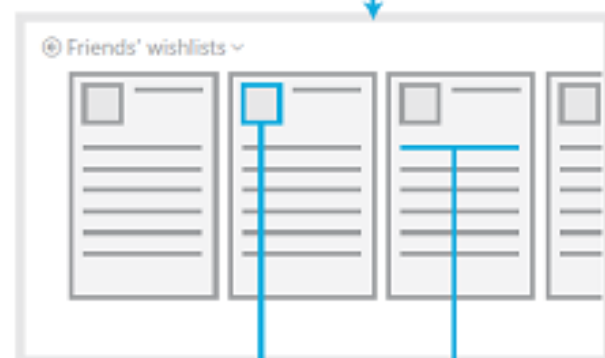
App Hub



L1



L2



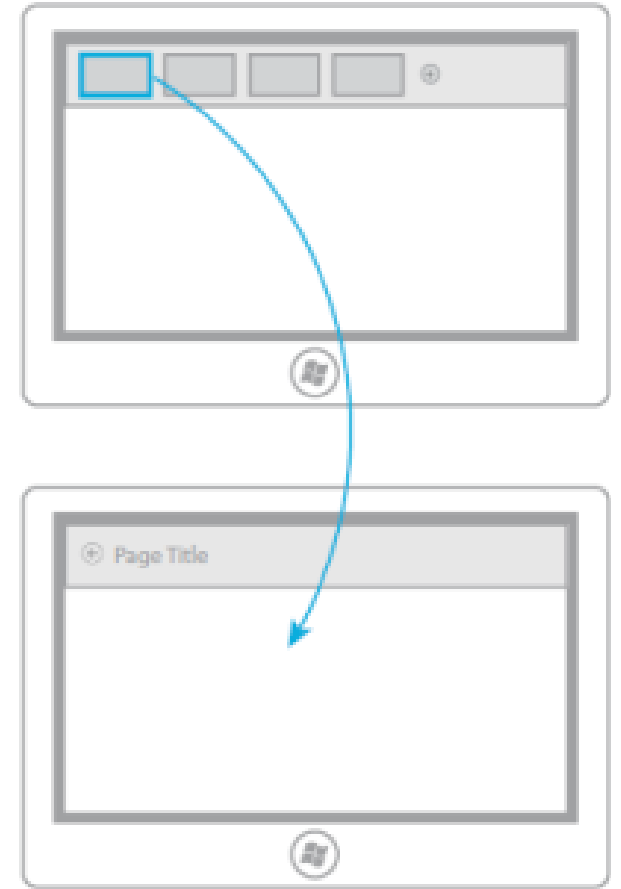
L3



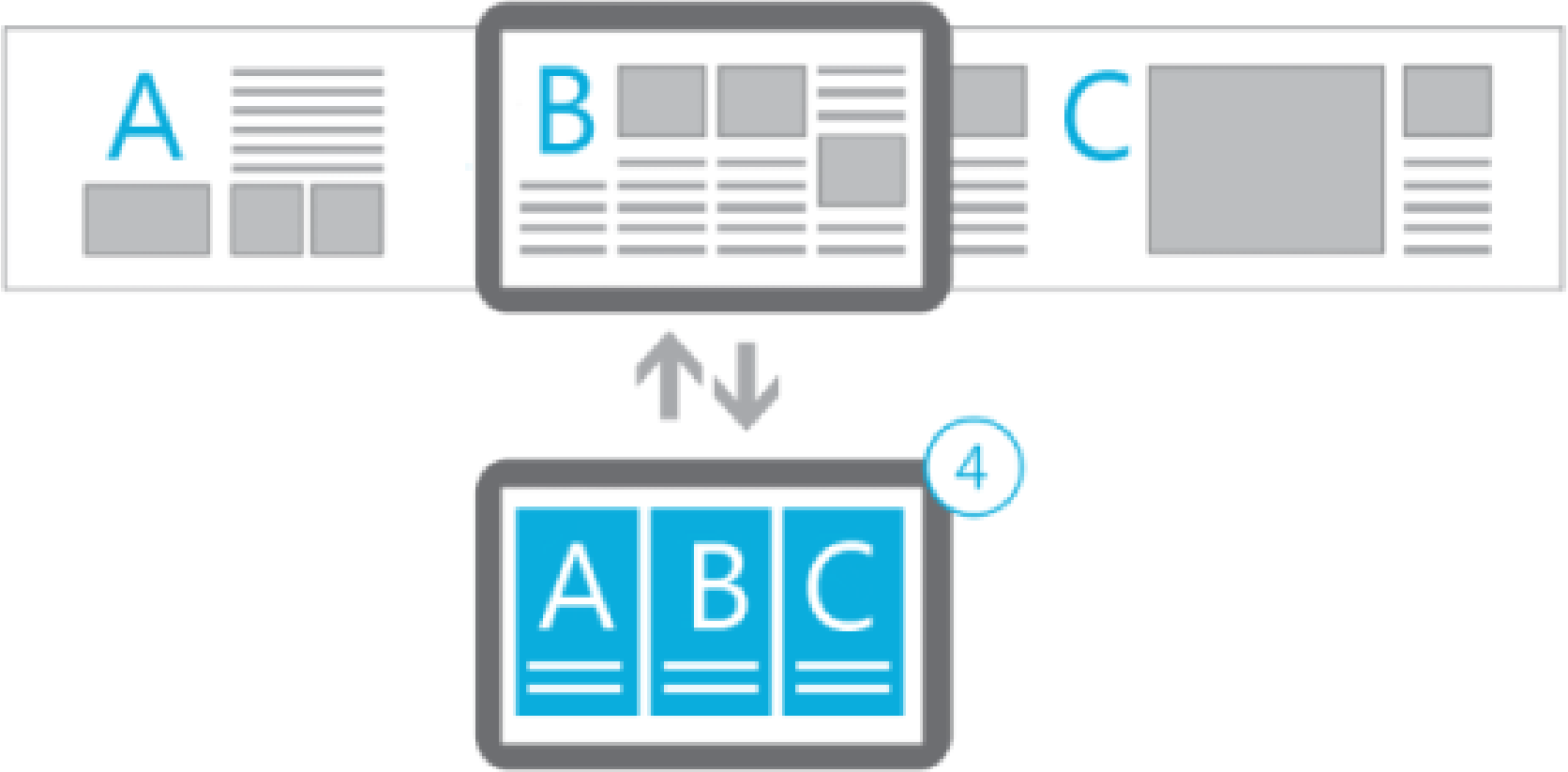
Flat Design

Many Windows Store apps use a flat system of navigation. This is often seen in games, browsers, or document creation apps.

- **Top App Bar**
 - Switching between multiple contexts
 - Tabs
 - Documents
 - Sessions
- **Switching**
 - No persistent back button
 - Navigation with Direct Links



Semantic Zoom



Semantic Zoom Ideas

Messages



Messages



Sci-fi books



Sci-fi books



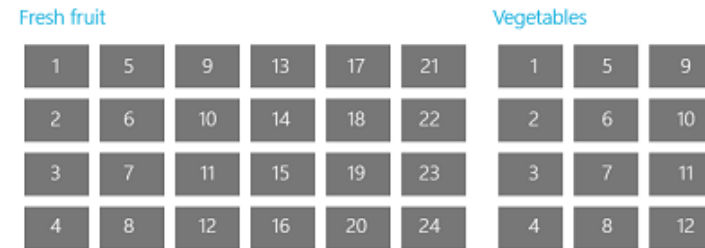
Mutual Funds



Mutual Funds



Produce



Produce



Data Techniques

- **Filter**
 - Remove content
- **Pivot**
 - Reorganize content
- **Sort**
 - Reorder content
- **View**
 - Change content style

All subcategories ▾

- All subcategories
- Action
- Adventure
- Arcade
- Card
- Family
- Kids
- ...

Sort by: Highest rating ▾

- Noteworthy
- Newest
- Highest rating
- Lowest price
- Highest price

DEMO



Navigation & Suspension Manager & GridView

Module Recap

- Understand Navigation
- Data Hierarchy
- Top App Bar
- Semantic Zoom



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