Windows® Phone

Give Your App Some Pop!

Greg Lutz
Product Manager, ComponentOne

www.componentone.com

Overview

Enhance the look and functionality of your existing Windows Phone app (created in Session 1) by leveraging capabilities specific to the Windows Phone API and by using advanced UI controls.

Showcase your app

- Register for our showcase session to show your app to us and other attendees
- All attendees today will receive an email with the showcase registration link
- Three developers who best leverage an Azure data set and ComponentOne Studio for Windows Phone will win a Windows Phone 7 device from ComponentOne!
- Submit questions and apps to askdpeps@microsoft.com

Agenda

- Enhance your app in four ways
    1. Appearance
    2. Interactivity
    3. Feedback
    4. Functionality

Before and After
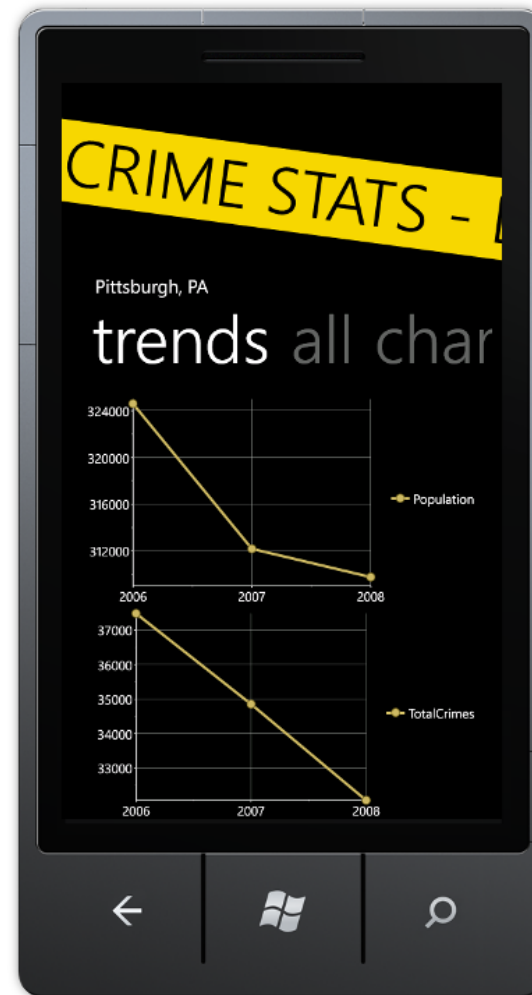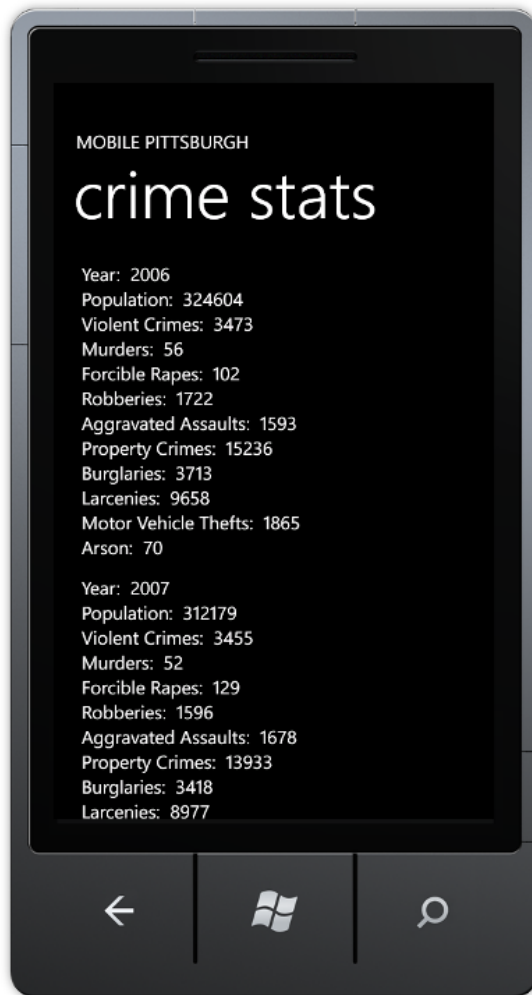
Prerequisites

- App created in Session 1
  - http://c1.ms/5u
- Windows Phone 7.5 SDK
  - Visual Studio 2010 Express for Windows Phone (or VS2010 with SP1)
  - Expression Blend 4 for Windows Phone
  - http://aka.ms/getphone
- ComponentOne Studio for Windows Phone
  - http://c1.ms/wp7

Microsoft

Studio for Windows Phone

http://www.componentone.com/WP7

- Chart
- CoverFlow
- FlexGrid
- Gauges
- Maps
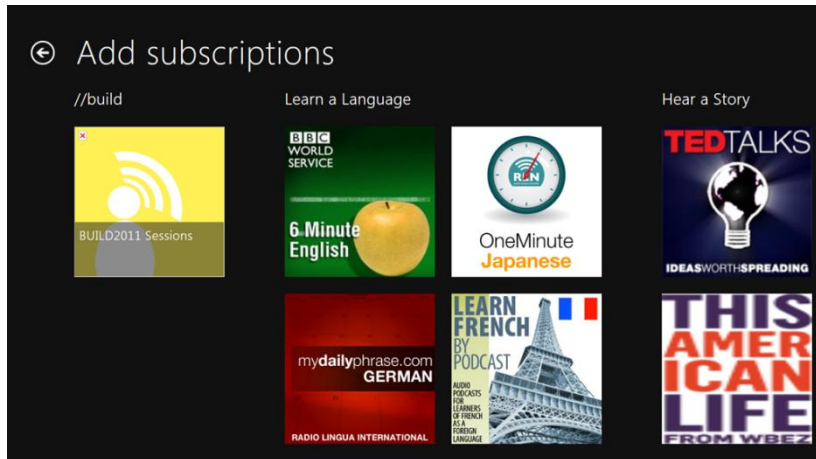- PdfViewer
- RichTextBox
- More!

Microsoft

Licensing

- Your complimentary key grants you to a one year subscription to Studio for Windows Phone
- Entitles you to all updates and new controls that we release in 2012
- $95 value

Microsoft

Appearance

Considerations
- Style
  - Metro style
  - Phone themes
    - Dark
    - Light
- Layout
  - Readable positioning
  - Device orientation

Metro Style

Microsoft

Demo

Before and after

Demo

Before and after

Microsoft

Demo

Expression Blend Layout and Styles

Microsoft

Appearance

What we did:

-Added some color to give our app a unique style

-Changed layout of content to make it fill the space

Appearance

What else you could do?

-Bind to default Phone brushes so your app matches the user's theme

Interactivity

Smart phone apps are interactive by nature

Panorama and Pivot controls are simple ways to have interaction

Panorama Control

Artful, Expansive, Immersive
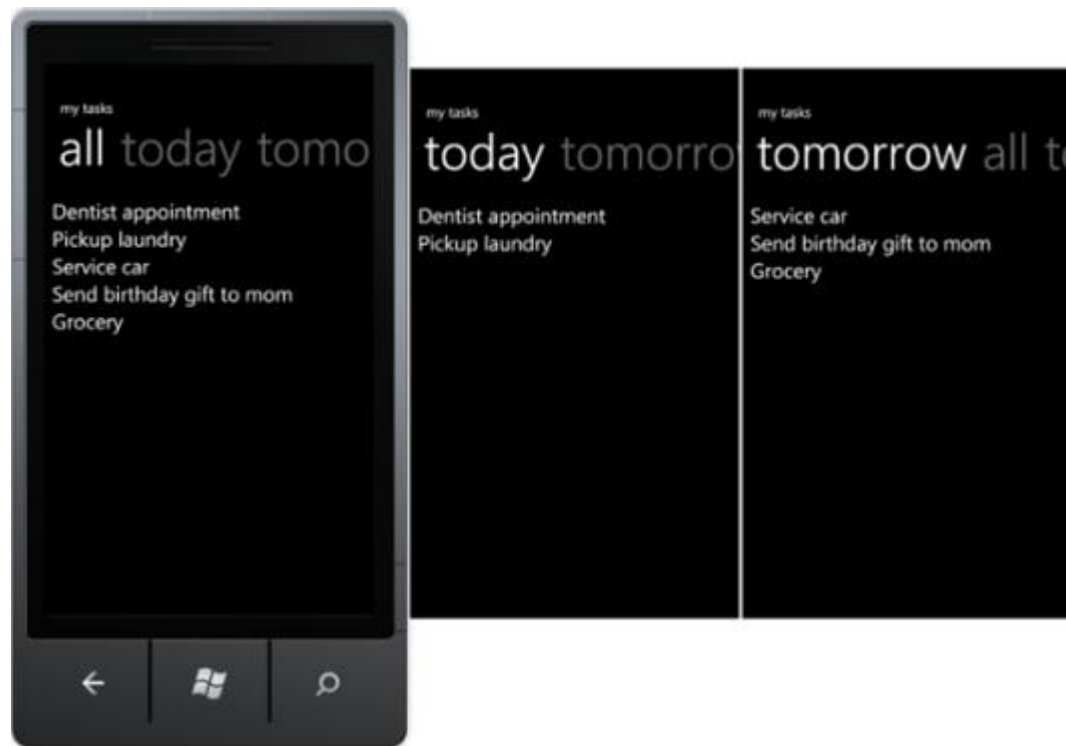
Pivot Control

Data-driven, List-based, Deep

Demo

Before and After


```
Year: 2006
Population: 324604
Violent Crimes: 3473
Murders: 56
Forcible Rapes: 102
Robberies: 1722
Aggravated Assaults: 1593
Property Crimes: 15236
Burglaries: 3713
Larcenies: 9658
Motor Vehicle Thefts: 1865
Arson: 70
```


Pittsburgh, PA

stats chart

2006

Population	324604
Violent Crimes	3473
Murders	56
Forcible Rapes	102
Robberies	1722

Interactivity

What we did:

-Added Pivot control with multiple items which will later be filled with more content

Interactivity

What else you could do?
-Data drill-down on separate page

Feedback

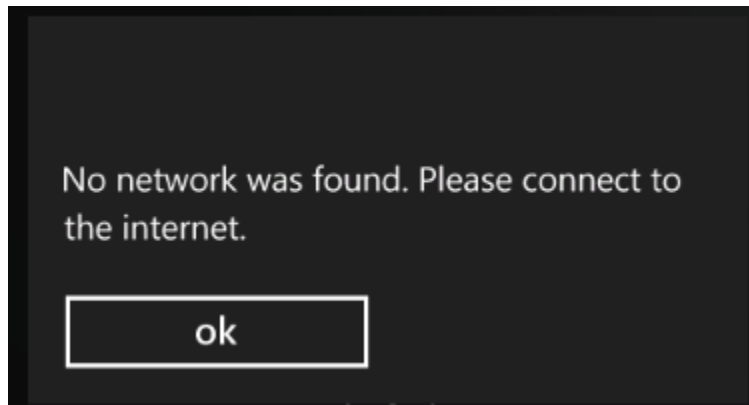You should display good feedback to the user so they know what's going on.
This yields a good UX.

Considerations

- No network connection
- Lag time while app is working

Demo

Message boxes and progress indicators

Microsoft

Feedback

What we did:

-Added MessageBox to alert user of no network

-Added C1ProgressBar to show the app is working

Functionality

Give the user more than one way to view the data

-Grouped/summarized

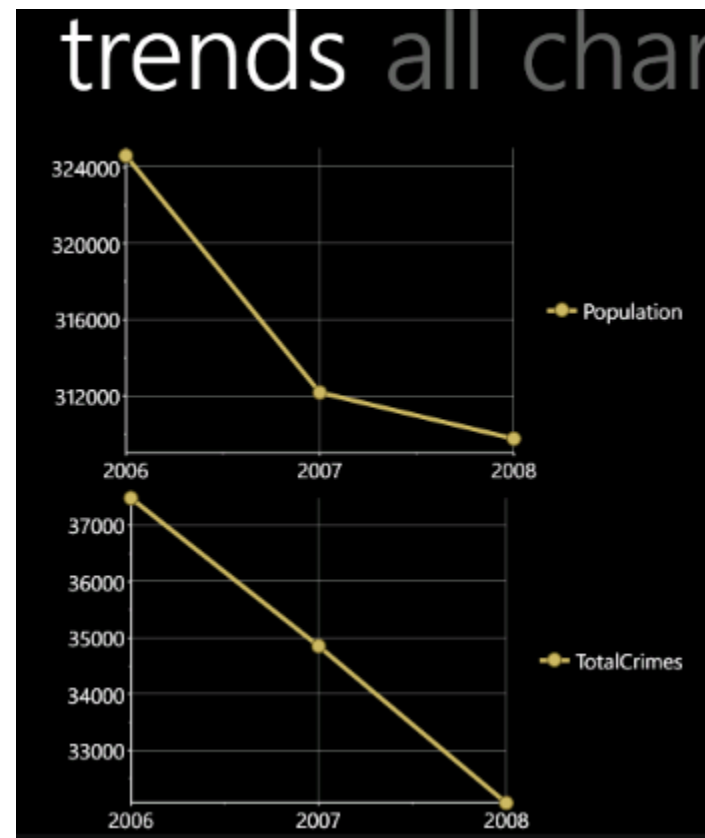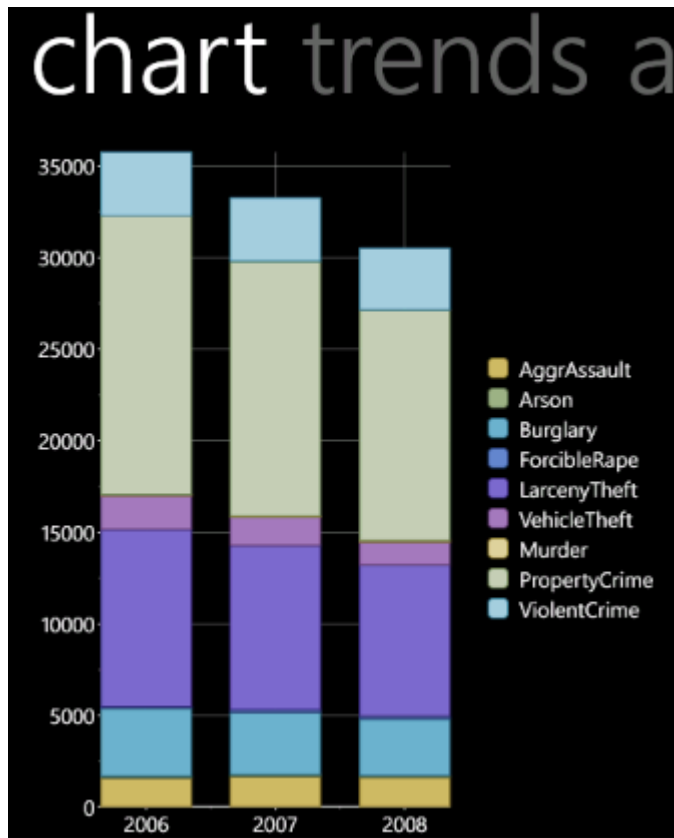-Data visualization (charts, gauges, heat maps, etc)

C1Chart

-30 chart types

-Legend

-Zoom interaction

-Panning

-Data labels

-Stackable plot areas

-Multiple axes

-Color palettes

Demo

Charts

Functionality

What we did:

-Added two charts for better data visualization

-Added context menu for more chart functionality

Functionality

What else you could do?

- Give user option to change the city/state
  - Input field
  - Interactive Map control
- Determine user's location using the Windows Phone location services (GPS)

Final touches

Splash screen

Application Icon

Tile Title

Tile Background Image

-Used if user pins your app to their start page

Final touches

Submit to market place!

Bing "App hub"
http://create.msdn.com/

Showcase your app

- Register for our showcase session to show your app to us and other attendees

- All attendees today will receive an email with the showcase registration link

- Three developers who best leverage an Azure data set and ComponentOne Studio for Windows Phone will win a Windows Phone 7 device from ComponentOne!

- Submit questions and apps to askdpeps@microsoft.com

Microsoft

Studio for Windows Phone

http://www.componentone.com/WP7
- Chart
- CoverFlow
- FlexGrid
- Gauges
- Maps
- PdfViewer
- RichTextBox
- More!

Contact

- Greg Lutz
- gregoryl@componentone.com
- www.componentone.com
- @ComponentOne

Let's Build Something!

Microsoft

Windows® Phone

The information herein is for informational purposes only and represents the current view of Microsoft Corporation as of the date of this presentation. Because Microsoft must respond to changing market conditions, it should not be interpreted to be a commitment on the part of Microsoft, and Microsoft cannot guarantee the accuracy of any information provided after the date of this presentation.

MICROSOFT MAKES NO WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, AS TO THE INFORMATION IN THIS PRESENTATION.

Microsoft®