

Hello!

<FUST!NO **BROTHERS**TM**INC.**

We Build Powerful Apps!

Sponsor: MAD Tampa
(Mobile App Dev Tampa User Group)

Topic...

Part 2 Windows App Studio:
Data, Graphics & Installation

<http://appstudio.windows.com>

Deck: <http://bit.ly/1XyUhAz>

MAD Tampa: <http://www.madtampa.com>

We Build Apps for Rock Stars!

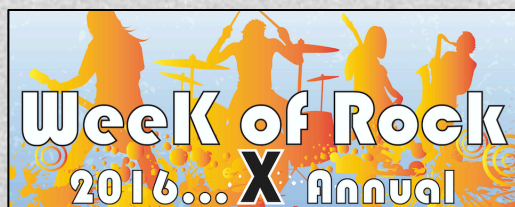
Russ – Programmer and MVP



Gary – Graphics & Business



Rich – Musician & Content



Russ, Gary, Ian, Rich

Welcome to Jethro Tull

Jethro Tull





Official Videos



Fan Videos



Discography



Tour Dates



Links



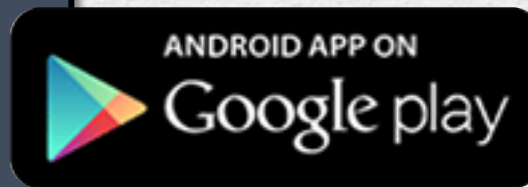
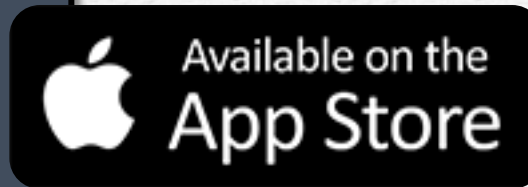
About



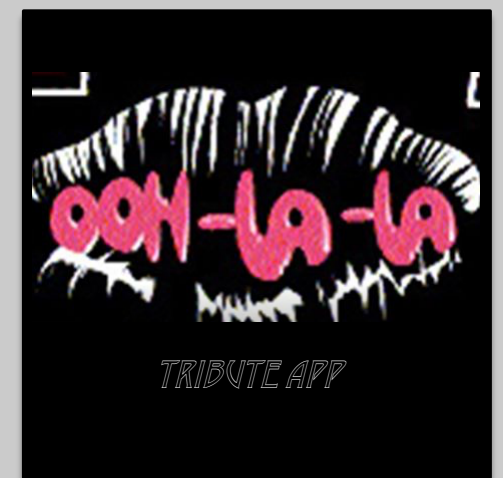


All Rights Reserved.

In All Popular App Stores



Projects...

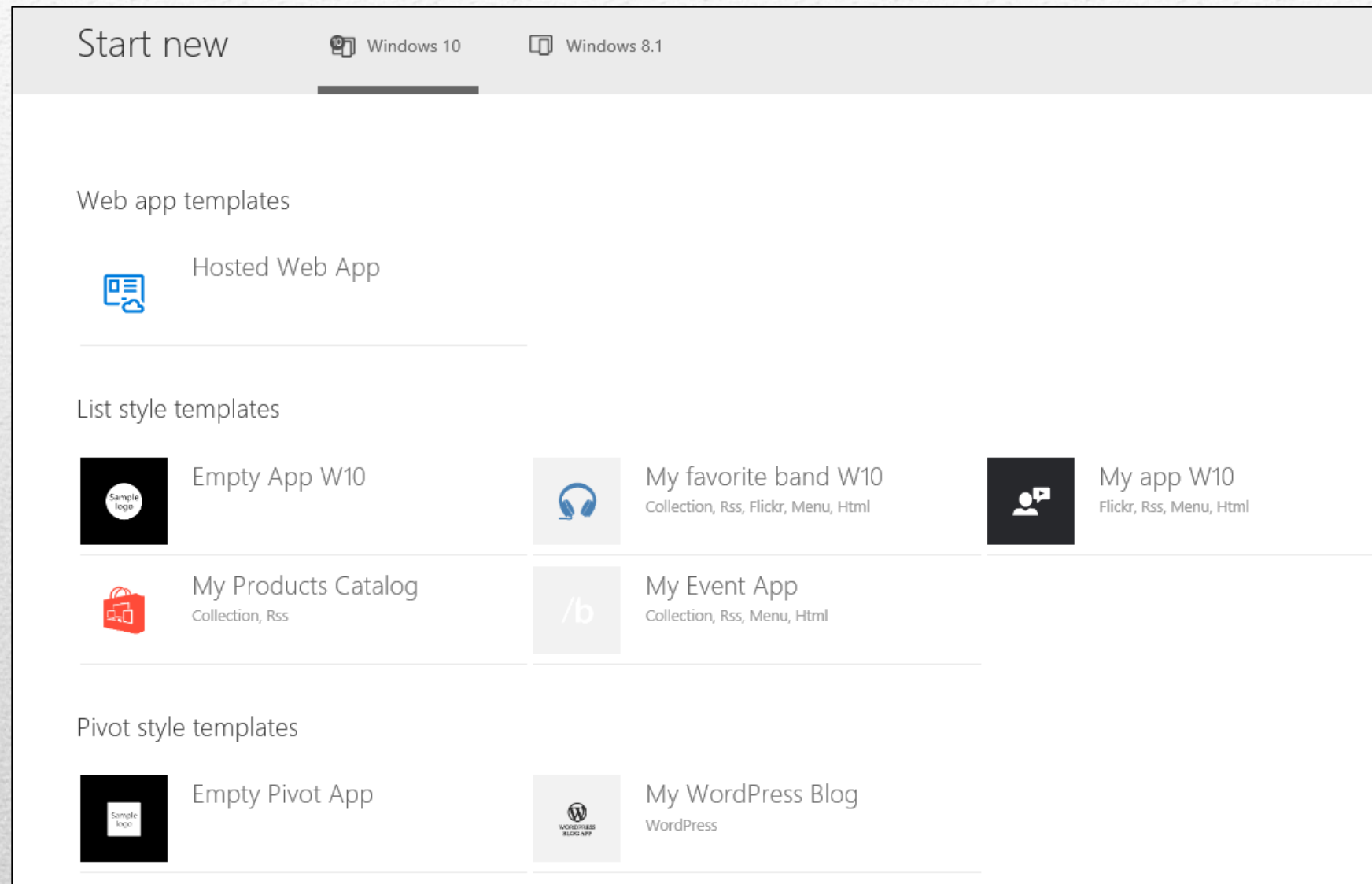


Fustino Brothers Webcasts

- See all Past Webcasts Here:
- <http://www.inbusinessseo.net/tps-blog>
- Including:
- [5/12 Part 1: Microsoft App Studio: Building Universal Windows Apps with No Code](#)
- [5 Online Payment System Apps Compared](#)
- [1 Hour SEO for Better Mkg & Apps Dev](#)
- [Webinar: Messaging Services for Mkg & Apps Dev](#)
- [Webinar: Video Apps for Mkg & Dev](#)
- [Snapchat & Periscope for Mkg/App Dev](#)
- [Internet Branding for Mkg & Apps Dev](#)
- [Monetization Strategies for Apps Development and Social Media Mkg \(10/12/15\)](#)
- [Apps for the Stars/Celebrities](#)
- [Basic Video Editing Within YouTube](#)

Recap of Part 1

- New Templates
- Data Sources
- Ad Client
- UWP



It's All About Solving Pain!

- YouTube playlist only showed first 40 videos and takes long to load
- Need to consume any REST service (data anywhere)
- Importing CSV for collections can be tricky
- For the Tull App we needed to do custom code for additional actions on the detail page in discography
- How do I incorporate favorites?
- Graphics, what are the limits and where do I need them?
- How do I share the app with team members and testers?

Agenda

- Massive Updates in June Release
- Data Collections
- Graphics
- Installable Packages

Massive June Updates

- REST API Data Source
- Hosted Web App Capability Declarations
- Tool Improvements
- Generated App Improvements
- Open Source Library and Control Improvements
- Instagram Data Source Removed
 - Instagram no longer want their users' content accessed outside of their 1st party apps without explicit permission

API Data Source

- Supports GET
- See [blog post](#):
- Example: add event/concert listings to your app, use an API from a service like SeatGeek or SongKick to pull in event information for a region or filter you specify.

Add RESTAPI section

Section Name

Add url	Root	Identifier	Response	Pagination	Order						
<p><small>?</small> This is the service endpoint URL which is going to serve the information for your REST API data source. Only GET request are allowed. For example, if you want to consume a WordPress site through this REST API data source, the URL will be <code>https://public-api.wordpress.com/rest/v1.1/sites/en.blog.wordpress.com/posts</code></p>											
<p>Enter the REST API url</p> <input style="width: 90%;" type="text" value="https://api.seatgeek.com/2/events?venue.state=WA"/> <div style="text-align: right; margin-top: 5px;"> <input checked="" type="checkbox"/> Check API </div>											
<p>Add headers +</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #f0f0f0;"> <th style="padding: 5px;">Header Name</th> <th style="padding: 5px;">Header Value</th> <th style="padding: 5px;"></th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><input type="text" value="User-Agent"/></td> <td style="padding: 5px;"><input type="text" value="Mozilla/5.0 (Windows NT 10.0)"/></td> <td style="padding: 5px; text-align: center;">X</td> </tr> </tbody> </table>						Header Name	Header Value		<input type="text" value="User-Agent"/>	<input type="text" value="Mozilla/5.0 (Windows NT 10.0)"/>	X
Header Name	Header Value										
<input type="text" value="User-Agent"/>	<input type="text" value="Mozilla/5.0 (Windows NT 10.0)"/>	X									
<input type="button" value="Confirm"/> <input type="button" value="Cancel"/>											

Hosted Web App Capability Declarations

Fastest way to bring your web app to UWP

Capabilities

"Select the capabilities you want to include in your app. Capabilities must be declared in your Universal Windows Platform (UWP) app's package manifest to access certain API or resources like pictures, music, or devices like the camera or the microphone." [Read more about App capability declarations.](#)

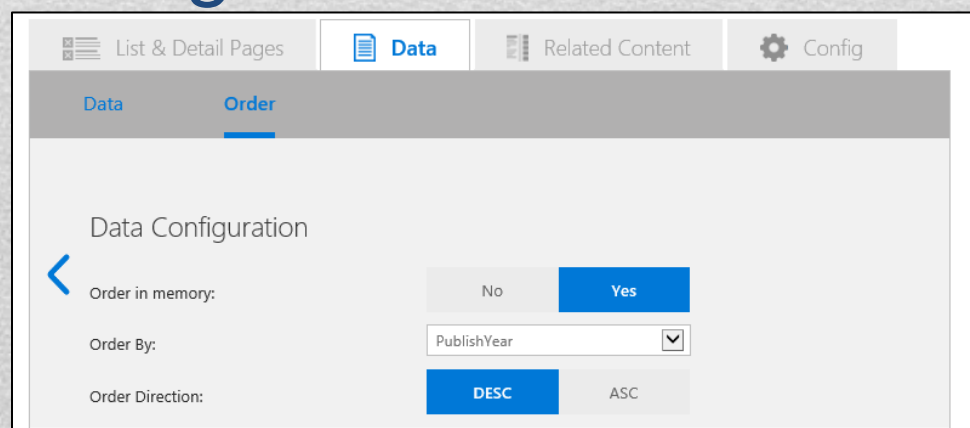
- | | |
|---|---|
| <input type="checkbox"/> Appointments | <input type="checkbox"/> Phone Call |
| <input type="checkbox"/> Blocked Chat Messages | <input type="checkbox"/> Pictures Library |
| <input type="checkbox"/> Bluetooth | <input type="checkbox"/> Proximity |
| <input type="checkbox"/> Contacts | <input type="checkbox"/> Removable Storage |
| <input type="checkbox"/> Enterprise Authentication | <input type="checkbox"/> Shared User Certificates |
| <input checked="" type="checkbox"/> Internet (Client) | <input type="checkbox"/> User Account Information |
| <input type="checkbox"/> Internet (Client & Server) | <input type="checkbox"/> Videos Library |
| <input type="checkbox"/> Location | <input type="checkbox"/> VOIP Calling |
| <input type="checkbox"/> Microphone | <input type="checkbox"/> Webcam |
| <input type="checkbox"/> Music Library | |

Tool Improvements

- Simulator Improvements
- Redesigned Detail Pages, Carousel & Slider View
- Dark & Light Themes: Revised an Improved

Generated App Improvements

- New Shell Control: Improved navigation and nav pane
- New Detail Pages: Improved Layouts, better reading and display taking advantage of HTML Block
- New About Page
- Performance improvements: Reduced memory and increased loading speed
- Pagination & Infinite Scroll: Allows loading of more content removing the fixed number (40) retrieved previously
- Ordering: Allows ordering of the content as established in the app configuration.



Open Source Library & Control Improvements

- <https://github.com/wasteam/waslibs>
- Improved RSS Data Source
- HTML Block: Added a new control to our XAML library that transforms HTML and renders it as XAML, improving readability and performance
- Infinite Scroll: allow apps to make pagination
- Animated GIFs: ImageEx control now supports Animated GIFs
- Carousel Redesign: better UX integration
- Slider View: Older small carousel improved
- REST API Data Source
- Data Source Ordering and Paging
- Data Source Language aware

Demos

- REST API
- Navigation Bar Icons
- Fast Load on Playlist

Data Collections

- Option 1 – Manually enter data thru IDE
 - Pros – Easy to do
 - Cons – Time consuming, can't do massive updates at once
- Option 2 – Use Windows App Studio Collection app
 - Pros – Easy, better than using IDE
 - Cons – Still Time consuming
- Option 3 – Import CSV
 - Pros - Very Fast, massive reload support
 - Cons:
 - Raw exported CSV from Excel does not import to App Studio without errors
 - Default excel export is using commas as delimiters
 - Commas in data
 - Tuff to create csv with semi colons delimiters natively in Excel
 - All fields should be in “” as strings

Windows App Studio Collections App

The screenshot displays the Windows App Studio Collections App interface. On the left, a navigation pane shows a list of collections: 'Ani DiFranco LivingMuseum', 'discography classic', and 'discography current'. The 'discography classic' collection is selected, showing a table with columns for ID, Name, and Value. The table contains 12 rows of data. On the right, a form is visible with fields for 'FBIRef', 'DiscNumber', 'PublishYear', 'Title', 'Description', 'ThumbImage', and 'CoverImage'. The 'FBIRef' field contains '1', 'DiscNumber' contains '00', 'PublishYear' contains '1989', 'Title' contains 'Ani DiFranco', and 'Description' contains 'Cassette Only - Handmade Limited Edition'. There is also a 'ThumbImage' field with a small image of Ani DiFranco and a 'CoverImage' field with a larger image of a cassette tape.

ID	Name	Value
1	discography classic	1
2	discography current	2
3		3
4		4
5		5
6		6
7		7
8		8
9		9
10		10
11		11
12		12

The screenshot shows the Windows Store app page for 'Windows AppStudio Collections'. The page features the app's logo, a rating of 'Everyone ****', and a 'Share' button. Below the main title, there is a description: 'Windows AppStudio Collections is your app. You can use it to modify the data you have in the collections that you have...'. There is also a 'More' section and an 'Open' button. The page is built for Windows 10 and has an ESRB rating of 'Everyone'.

Step by Step CSV for import

- Step 1: Add column headers manually in the IDE
- Step 2: Use same column headers in Excel
- Step 3: For image fields, use URL or fully qualified local file path and file name
- Step 4: Use VB Macro to export with semi colons and put double quotes around all fields

```
AniLoad5_30.txt - Notepad
File Edit Format View Help
"FBIRef";"DiscNumber";"PublishYear";"Title";"Description";"ThumbImage";"CoverImage";"SongList";"DeepLi
"1";"00";"1989";"Ani DiFranco";"Cassette Only - Handmade Limited Edition";"http://russtoolshed.net/Ani
ce=&icep_maxPrice=&ipn=psmain&icep_vectorid=229466&kwid=902099&mtid=824&kw=lg"
"2";"01";"1990";"Ani DiFranco";"CD/MP3 - 42:23 Recorded in 1989 - 1990. Ani DiFranco's first album is
lovely tunes can be located in such divergent locations as Living In Clip and Render: Spanning Time wi
tic Guitar/Vocal Chords.RBR: A wee seed in the garden of songs. Misc. The poem- ""The Slant"" was writ
/ani-difranco/8d6kgx0jphr6";"http://www.amazon.com/gp/search/ref=as_li_qf_sp_sr_il_tl?ie=UTF8&camp=178
```


VB Macro to the rescue, use “;” as delimiter, Keeps “,” in data and puts “” around each data field

```

• Public Sub OutputQuotedCSV()
• Const DELIMITER As String = ";"
• Const QSTR As String = """"
• Dim myRecord As Range
• Dim myField As Range
• Dim nFileNum As Long
• Dim sOut As String
•
• nFileNum = FreeFile
• Open "File1.txt" For Output As #nFileNum
• For Each myRecord In Range("A1:A" & _
• Range("A" & Rows.Count).End(xlUp).Row)
• With myRecord
• For Each myField In Range(.Cells(1), _
• Cells(.Row, 256).End(xlToLeft))
• sOut = sOut & DELIMITER & QSTR & _
• Replace(myField.Text, QSTR, QSTR & QSTR) & QSTR
• Next myField
• Print #nFileNum, Mid(sOut, 2)
• sOut = Empty
• End With
• Next myRecord
• Close #nFileNum
• End Sub

```


Actions on Detail pages

- Links (Need URL in Data)
- Favorites

Page title
Detail

Bindings

Ensure the information is properly shown

Title
{Context.Title}

Description
{Context.Description}

Image
{Context.CoverImage}

Page actions

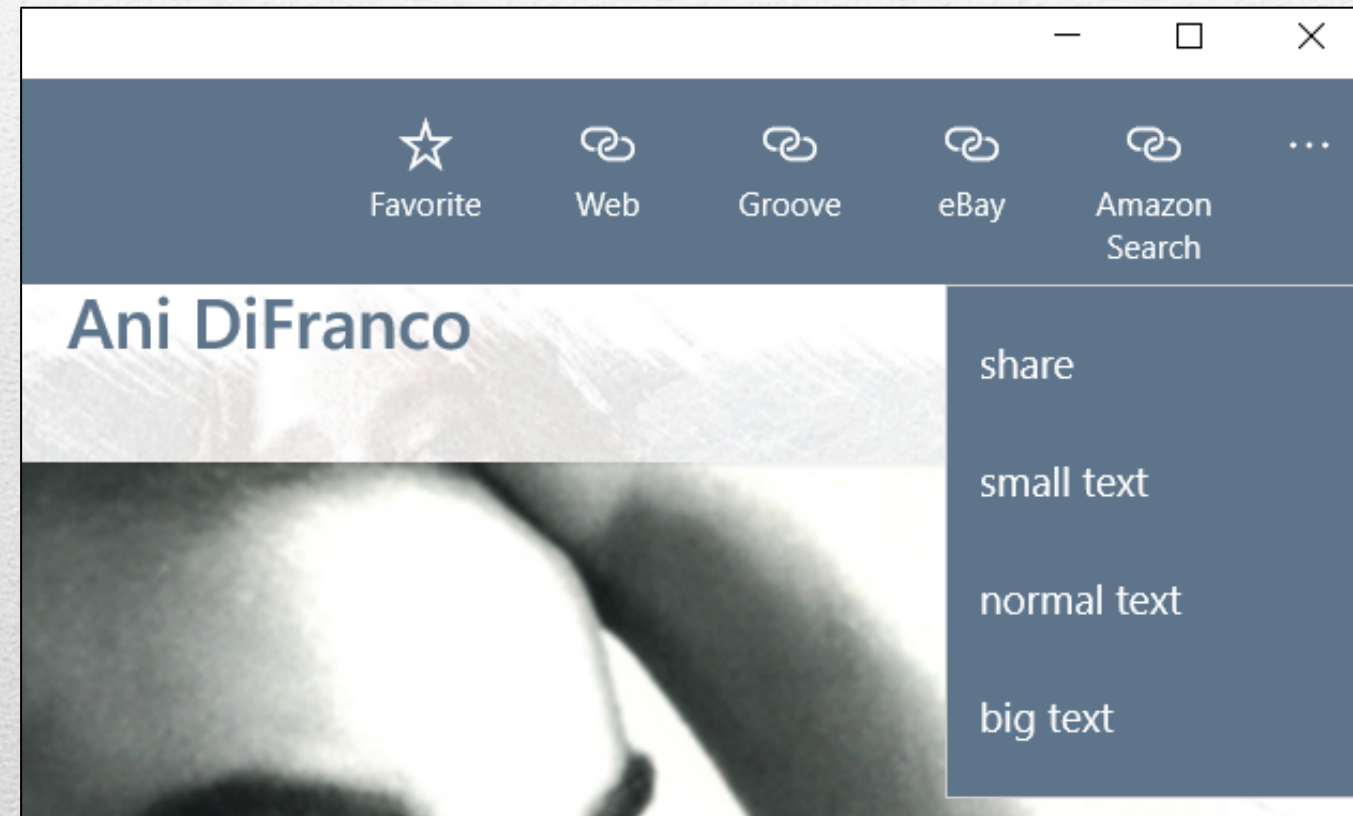
+ Add

Web

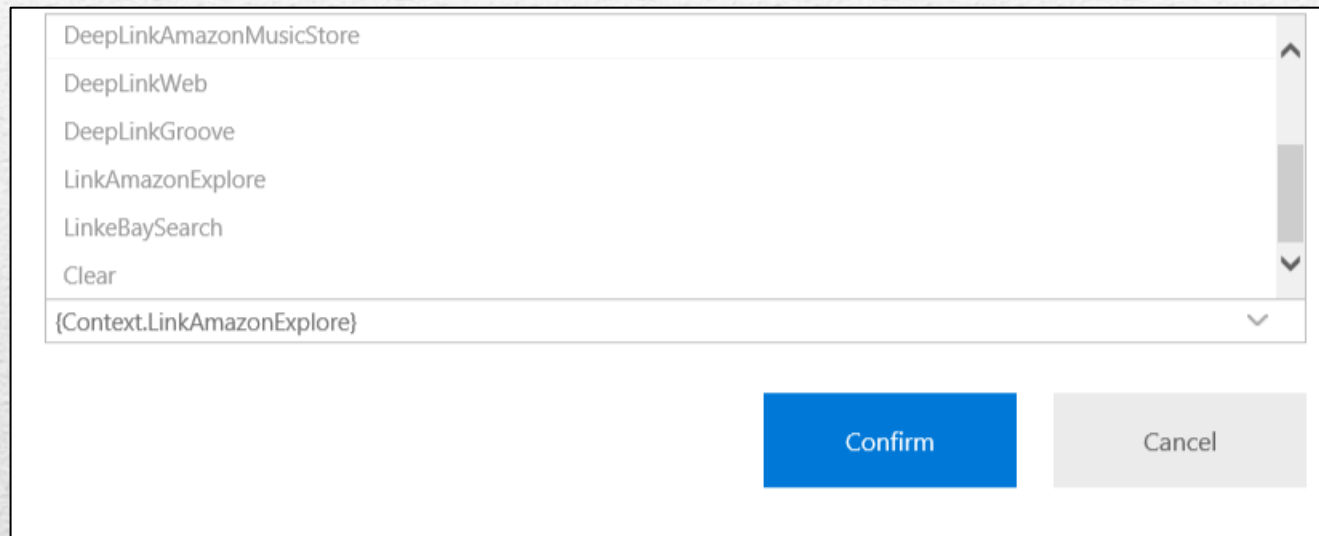
Groove

eBay

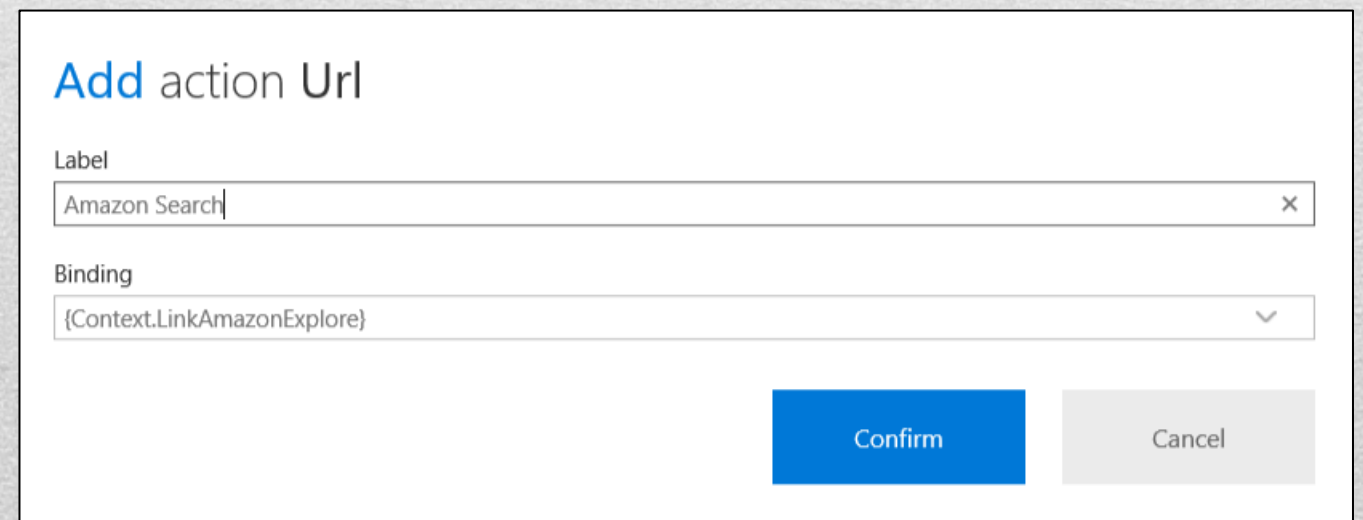
Share



If you have URLs in the data,
they will show here:



A screenshot of a list of deep links. The list contains the following items: DeepLinkAmazonMusicStore, DeepLinkWeb, DeepLinkGroove, LinkAmazonExplore, LinkeBaySearch, Clear, and {Context.LinkAmazonExplore}. Below the list are two buttons: a blue 'Confirm' button and a grey 'Cancel' button.




A screenshot of the 'Add action Url' dialog box. It has a title 'Add action Url' in blue. Below the title is a 'Label' field with the text 'Amazon Search' and a close button (x). Below that is a 'Binding' dropdown menu with the text '{Context.LinkAmazonExplore}'. At the bottom are two buttons: a blue 'Confirm' button and a grey 'Cancel' button.


Favorites

- Set on Config Tab for Collections


◀ Edit Collection section

Title:




Icons: 




List & Detail Pages
 Data
 Related Content
  Config

Section Style

Choose the **background color** for this section: Yes No 

Choose the **hero image** for this section:

High Resolution Image:   

Low Resolution Image:   




Do you want to **show** the hero image in the **application home page**? Yes No

Do you want to **show** the hero image in the **section page**? Yes No

Section Display

Do you want to **show** this section in **navigation pane**? Yes No

Do you want to **show** this section in **home page**? Yes No

Choose the **layout** to be used in the **home page**:   

Allow Favorites

Do you want users can add items as **favorites**? Yes No

Demo

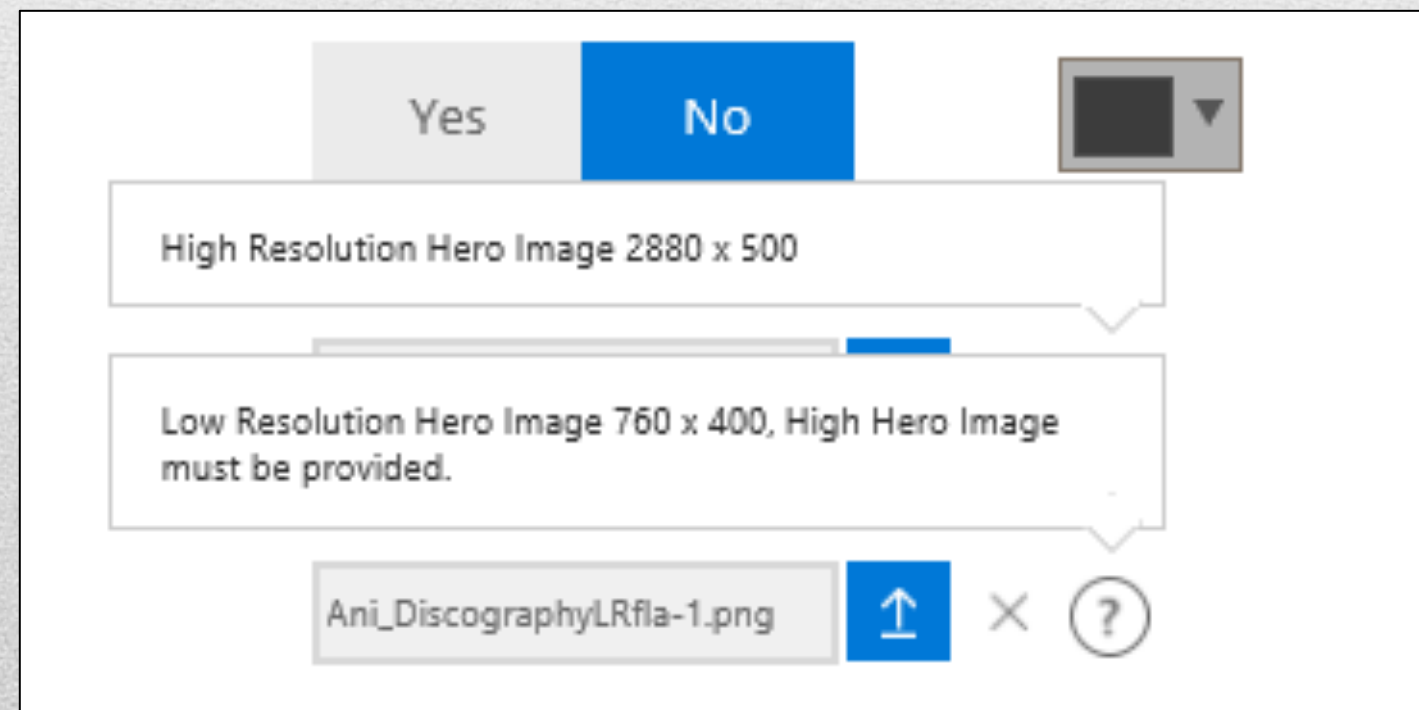
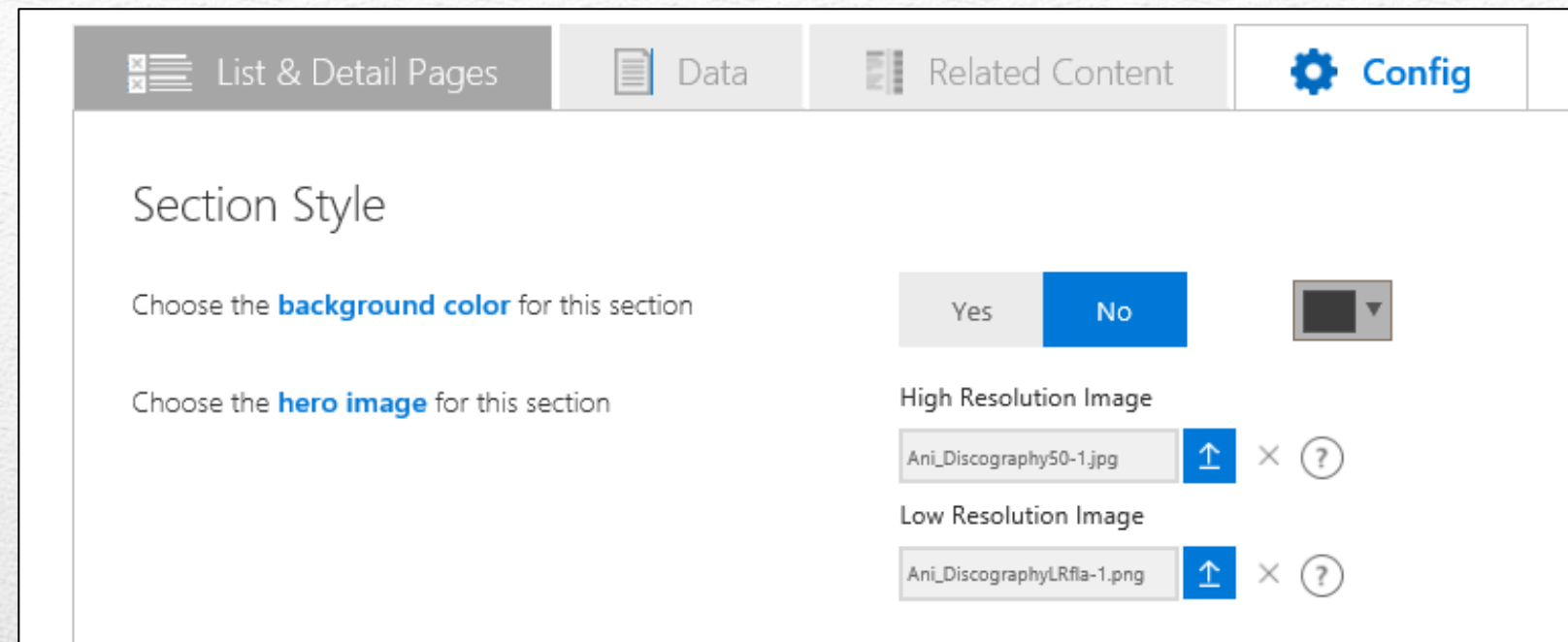
- Data Collections App Studio Collections
- Page Actions on Detail Pages from URLs
- Favorites

Graphics

- New Hero Images
- Splash Screen / Background
- Logos / Navigation Icons / Menu Item Link Icons

Hero Images

- Config Tab on Detail Page
- High Res (2880x500)
- (use .jpg or Size Limit of 2096K will be Exceeded with .png)
- Low Res (760x400)



Show on Hero Image Home Page, Section Page or both?

Do you want to **show** the hero image in the
application home page?

Yes

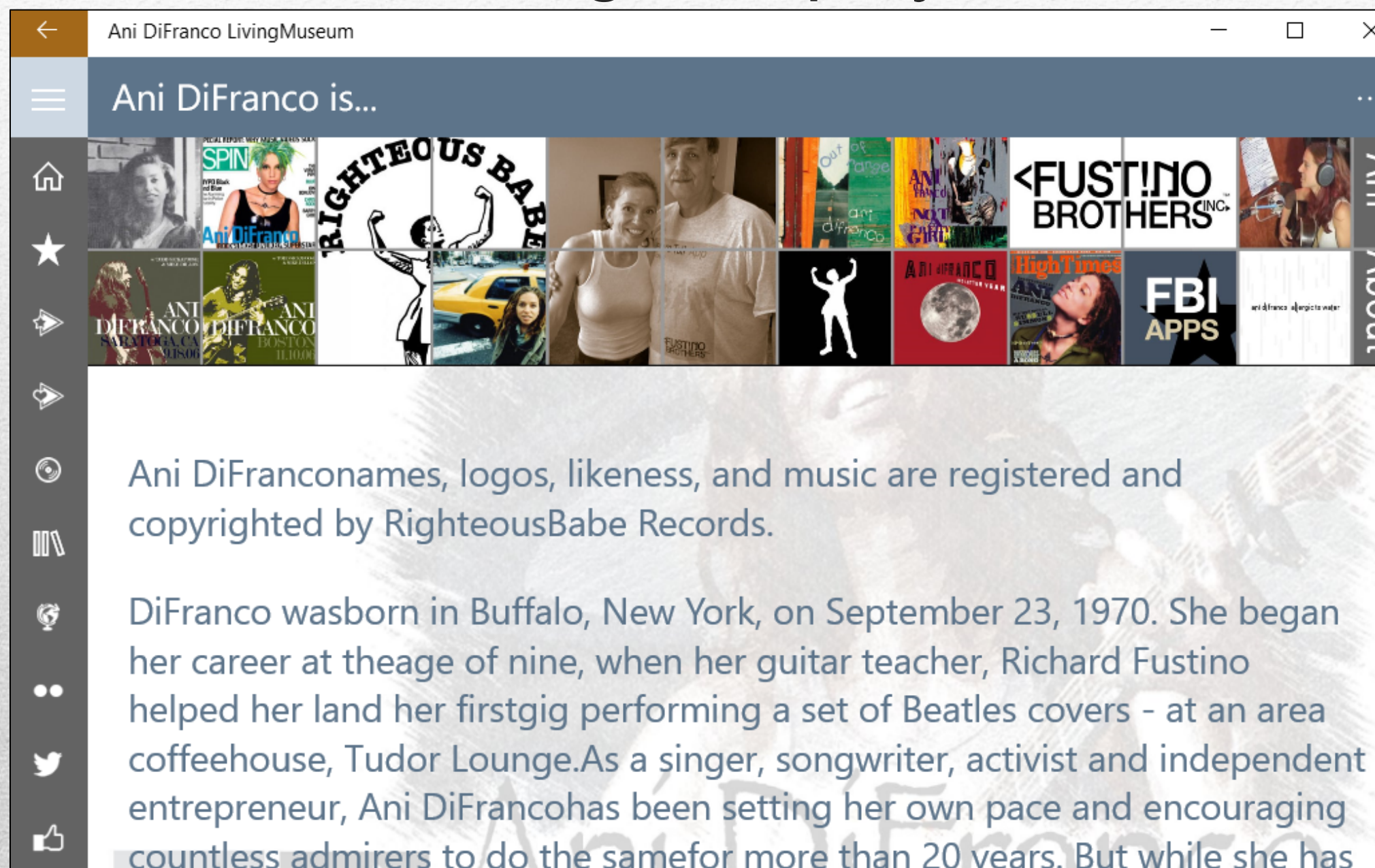
No

Do you want to **show** the hero image in the
section page?

Yes

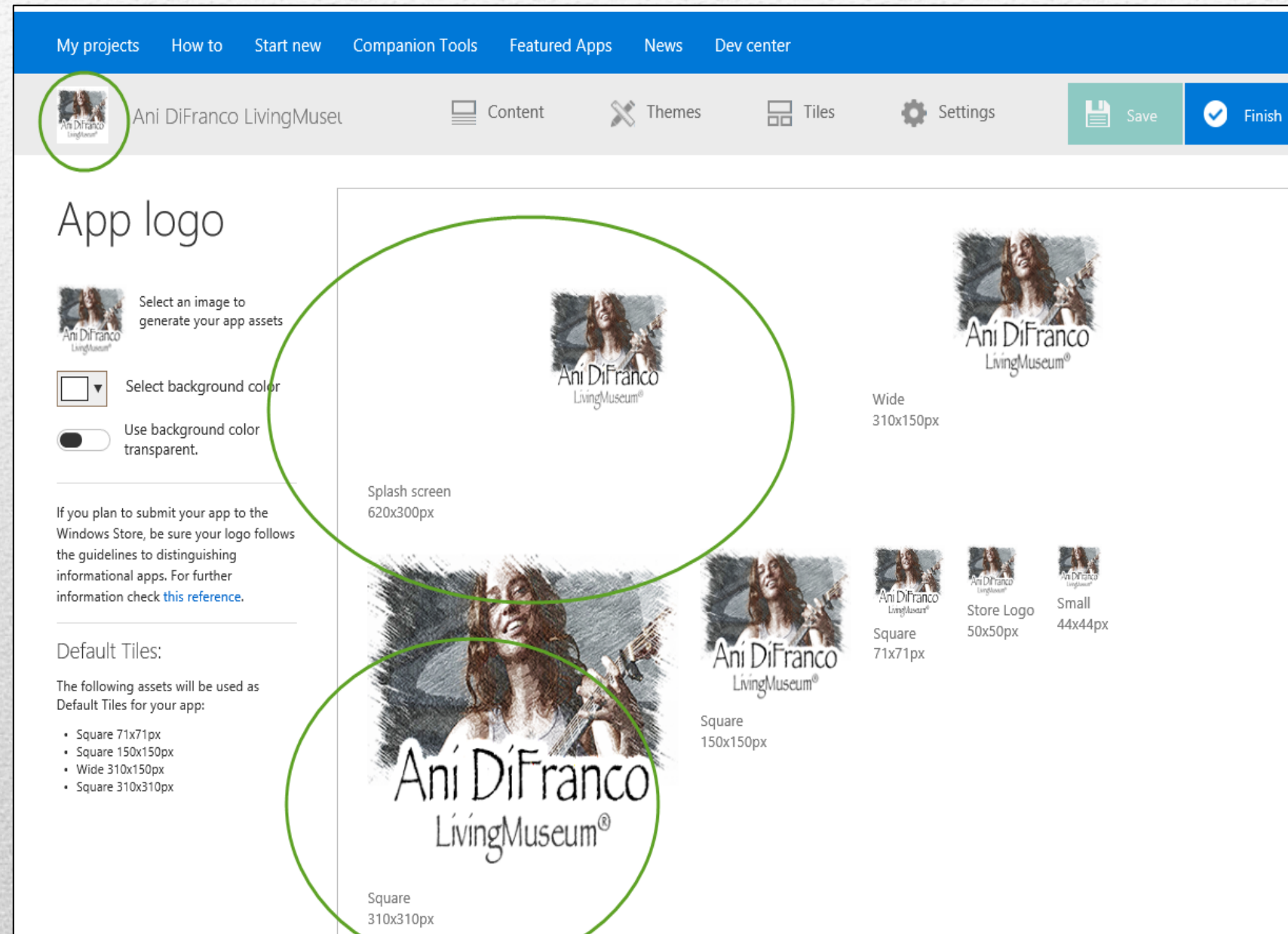
No

Section Hero Image Display



Splash Screen and Logos

- Click on Icon in Upper Left
- Only Two Image Sizes are Needed
- 620x300 Splash
 - Note only Center Square is Displayed (310x310)
- 310x310 Logo
 - The Rest will Scale
 - Caution – Artwork May Need to be Custom for the Smaller Sizes
- Will Prompt Splash or Logos on Import



Demo

- Hero Images on Sections
- Background Image
- Navigation Icons
- Link Icons

Generate | Installable packages

ngMusel Content Themes Tiles Settings

Generate

Generate Windows 10 app

Generation type

Publish packages

Installable packages

Comments

Build version

1 . 0 . 23 . 0

Generate Cancel

Go to latest generation

Created 13 hours ago

Source code package

The complete source code you can edit using Visual Studio.

Download Windows App Studio Installer

⏪ Ani DiFranco LivingMuseum 1.0.23.0 - Windo...
Your packages will be ready in 01:45 min
[Cancel process](#)

Source Code

[Download Source Code](#)

Prerequisites

Prerequisites

To edit the source code you need: [Visual Studio 2015 with Update 2 \(more information\)](#)

Note: Once opened the source code, Visual Studio may display errors in the "Error List" window. This is because the referenced nuget packages has not been downloaded yet. You just need to re-build the solution to make them disappear.

Installable Package

[Get Installable Package](#) ?

Get QR code

You need the [Windows App Studio Installer](#) app to download and install this app.

Windows App Studio
Installer
NEW

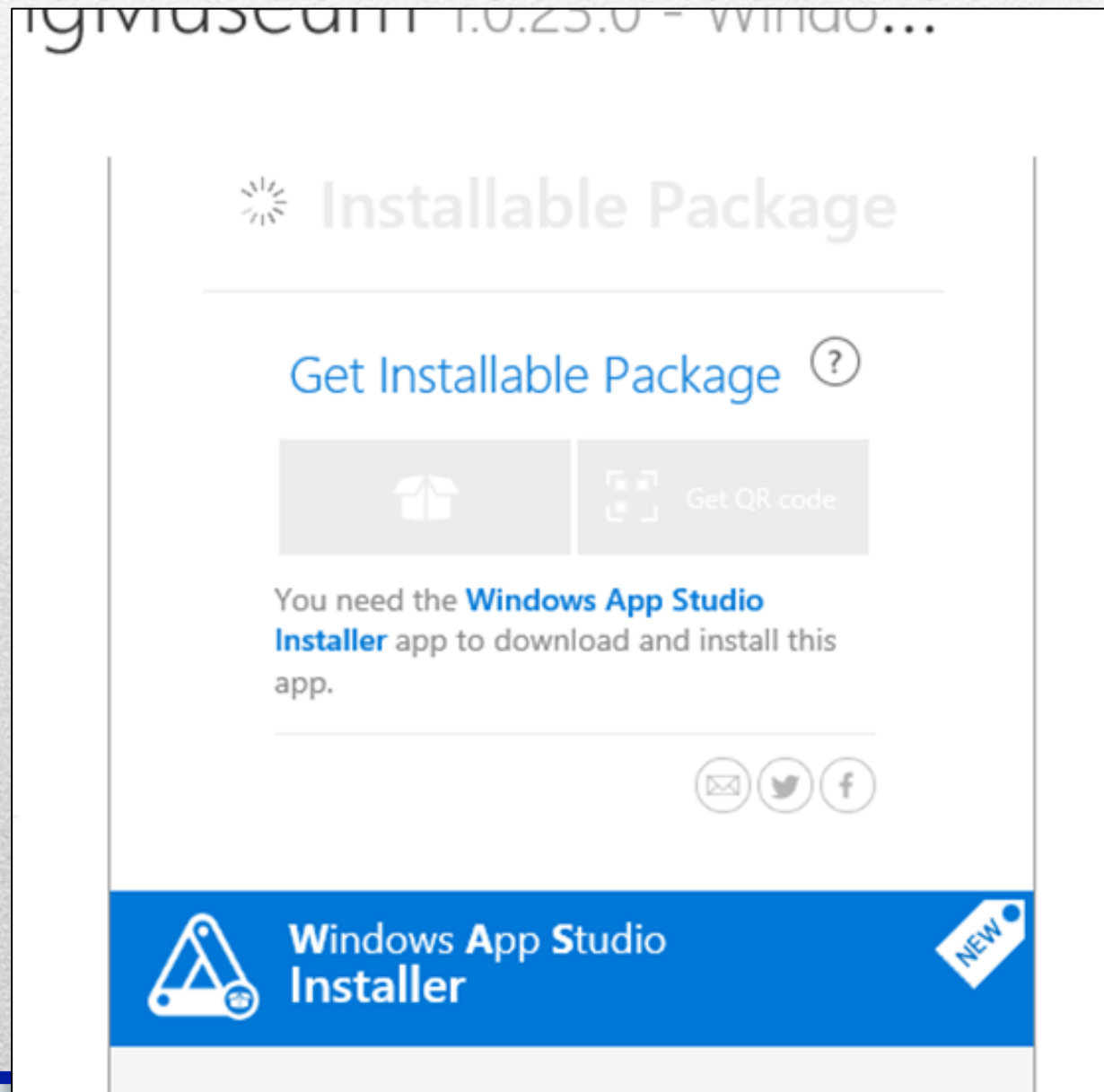
Now you can install your Windows App Studio installable packages in an easier way. The Windows App Studio Installer is a tool that lets you install your apps just by clicking a button. To get started you will need to install the Windows App Studio Installer from the Windows Store.

1. Go to the [Windows App Studio Installer](#) page and click the "Get App" button, if needed, to launch the Windows Store.
2. From the Windows Store window click *"install"*.
3. Now when clicking any Windows App Studio installable package links our installer will be launched and will show you the *"install"* button.

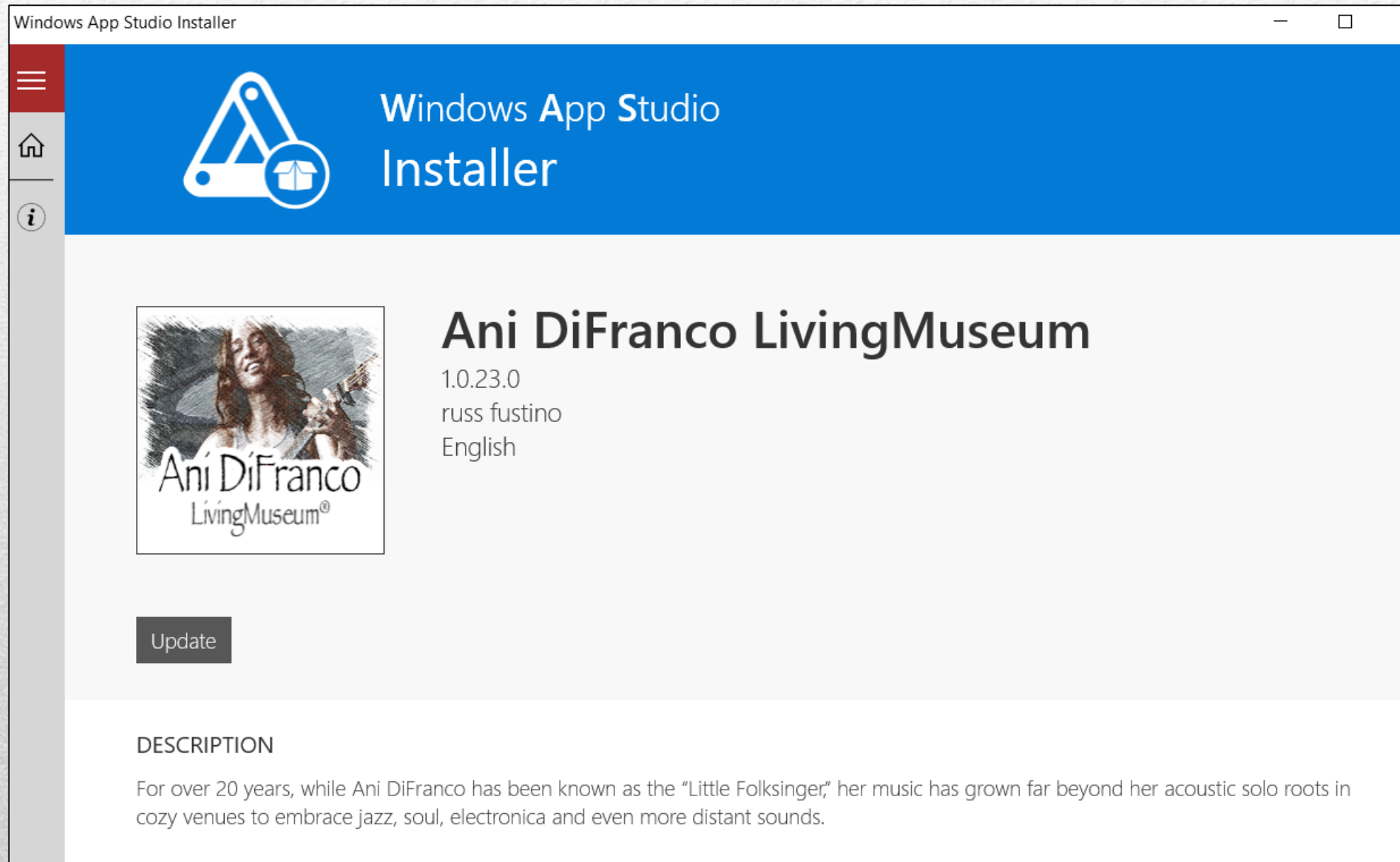
Publish Package

This generation does not contain this kind of package. In order to generate it, check the Publish Package when requesting a new Generation.

Email or Use QR Code to Install



Install for Your Team Members!



Demos

- TBD

OK, So Where Do I Start?

Homepage: <http://appstudio.windows.com>

Text Tutorial: <http://appstudio.windows.com/home/howto>

Video Tutorial #1: [Windows App Studio Walk Through](#)

Video Tutorial #2: [How to download the source code and add features in Visual Studio](#)

Video Tutorial #3: [How to Publish a Windows Phone app to Windows Phone Store](#)

Video Tutorial #4: [How to Publish a Windows tablet or PC app to Window Store](#)

Full Curriculum for Instructors: <http://aka.ms/appstudioeducation>

Build an App in an Hour Curriculum: <http://aka.ms/apphour>

Technical Support: [Windows App Studio Developer Forum](#)

YouTube: <http://www.youtube.com/windowsappstudio>

Marketing BOM: <http://1drv.ms/1tj9gxn>

Feature Requests: <http://wpdev.uservoice.com/forums/216486>



More Resources

Blog on June Release:

<https://blogs.windows.com/buildingapps/2016/06/07/windows-app-studio-june-16-release-harnessing-the-wealth-of-the-web-with-the-new-rest-api-data-source/>

REST API Data Source:

https://blogs.msdn.microsoft.com/windows_app_studio_news/2016/06/07/how-to-use-the-new-rest-api-data-source/

Next IBLN-FBI Webinar: July 11th at 12:00 Noon



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MAD Tampa

Mobile App Dev Tampa

Check out <http://mادتampa.com/>



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Thanks! *It's Easy to Connect With Us...*



*Jethro Tull
Endorsed
App*



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www.FustinoBrothers.com/fbi-blog.html
<https://www.facebook.com/FustinoBrothers>
<https://www.youtube.com/FustinoBrothers>
<https://www.flickr.com/photos/fbi-apps/>
www.pinterest/FustinoBrothers
Twitter: @FustinoBrothers
info@fustinobrothers.com



Link to Slide Deck: TBD

russ@fustinobrothers.com gary@fustinobrothers.com rich@fustinobrothers.com



Join In – By Computer

- At Your Computer- If Available Use a Headset
- Enter This link:
- <https://www.startmeeting.com/wall/679-256-129>
- Click/Tap "Join"-
 - Complete your Name and eMail Address
 - Then "Submit"
 - The System will Guide from There
 - Click/Tap the Phone Icon

Test your speaker/mike. If headset doesn't work, or if connection is lost - try "Rejoin"

Join In – By Phone

- Join-In using a land line / mobile phone
- Dial - (530) 881-1212
- When prompted enter access code followed by the "pound" key.
- 679-256-129#
(be sure to enter the "#" hashtag symbol)