Using ArcGIS Web API to Create a Parcel Search Website

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Why use ArcGIS Web API?

- Existing web site was not using web services (Shapefiles)
- Maintaining old tools so we can continue to use Shapefiles for Annotation
- High cost associated with keeping the old tools up and running
- Keeping the data on the site up to date
- Common platform for app development
Things We Learned

- People hate change
- People really hate change
- We should have reached out to the community prior to the release for feedback
- People really really hate change
The ArcGIS Platform

- ArcGIS Desktop – ArcMap, ArcCatalog, ArcGIS Pro
- ArcGIS Server – Map and Feature Services
- ArcGIS Online
  - Content Management
  - Access and Control
  - Portal
  - Layers
  - Webmaps
  - Applications
  - Feature data hosting
Templates

• Configurable Web Application
• Publish Application Instances
• Built in Templates
• Build your own
  • WebApp Builder
  • ArcGIS SDK for JavaScript
  • WebApp Builder for Developers
Application Templates

App Registration

Properties

URL
http://demo2.bruceharris.com/ClarkOH/development/gis/

Purpose
Configurable

API
JavaScript

Tags
Clark County, GIS

Credits

Delete Protection

Extent
SET EXTENT

Configuration Parameters

```json
{"configurationSettings": [{"category": "General Options", "fields": [{"type": "webmap", "fieldName": "webmap"}, {"type": "string", "fieldName": "pageTitle", "label": "Page Title", "tooltip": "", "stringFieldOption": "textbox", "placeHolder": "Enter title"}, {"type": "string", "fieldName": "pageSubtitle", "label": "Page Subtitle", "tooltip": "", "stringFieldOption": "textbox", "placeHolder": "Enter text"}, {"type": "string", "fieldName": "geometryServiceUrl", "label": "Geometry Service Url", "tooltip": "", "stringFieldOption": "textbox", "placeHolder": "http://..."}, {"type": "string", "fieldName": "searchMapService", "label": "Search Map Service Url", "tooltip": "", "stringFieldOption": "textbox", "placeHolder": "http://..."}, {"type": "string", "fieldName": "resultsFeatureUrl", "label": "Search Result Url", "tooltip": "", "stringFieldOption": "textbox", "placeHolder": "http://..."}, {"type": "string", "fieldName": "reportMapService", "label": "Report Url", "tooltip": "", "stringFieldOption": "textbox", "placeHolder": "http://..."}]}], "category": "Search Options", "fields": [{"type": "string", "fieldName": "searchMapService", "label": "Search Map Service Url", "tooltip": "", "stringFieldOption": "textbox", "placeHolder": "http://..."}, {"type": "string", "fieldName": "resultsFeatureUrl", "label": "Search Result Url", "tooltip": "", "stringFieldOption": "textbox", "placeHolder": "http://..."}, {"type": "string", "fieldName": "reportMapService", "label": "Report Url", "tooltip": "", "stringFieldOption": "textbox", "placeHolder": "http://..."}]}
```
Application Templates
ArcGIS for Land Records

- Configurable Applications built for your office
- Solutions Gallery
  - Local Government Information Model
  - Local Government Basemaps
  - ArcGIS Online Implementation Patterns
  - Applications