Building Hub-Ready Apps for Constituent Engagement

@jgravois / @tomwayson

slides: http://bit.ly/2I7q0d3
what the heck is a *Hub-ready app*?
Demo - Economic Development
is there a checklist?

https://github.com/Esri/hub-ready-apps
configurable / indicator aware
Demo: Collision Lens
adlib to the rescue
Configurable App Spec
ArcGIS Identity

use OAuth2!
Shared Themes
Communicates source of the app
Organization Shared Themes

Use the shared theme settings to apply your organization's brand colors to Information products created from configurable app templates, Story Plans, and/or your Own Data sites. Define the shared theme of your organization using the color picks below.

Header: Sample Text

- Text Color:
- Background:

Body: Sample Text

- Text Color:
- Background:
- Link Color:

Footer: Sample Text

- Text Color:
- Background:

Logo

Logo URL: https://t steroid.eus/ample.com/logo.png
Example: https://t steroid.eus/ample.com/logo.png
Fetch from portals self API

Only available to logged in users
Hub Site Shared Themes
Fetch from Hub site item

A resource on the site item
Access based on site permission (public, group, private)

Example: MyStreet
Accessible Apps
Hub's short list

text alternatives (alt="logo")
semantics and relationships (<nav>, <label for="username">)
keyboard (tabindex="2", visible focus)
color (minimum contrast)
language (lang="fr")
Engaging citizens where they are
Responsive required
Built into the ArcGIS API for JavaScript
Responsive UI frameworks

- Bootstrap
- Foundation
- Skeleton...
CSS solutions for modern browsers

flexbox
grid
Beyond responsive

We need to respond
Maps are heavy

We're working on it
No map? No problem

Use something like arcgis-rest-js
Map only on *some* routes

Use something like *esri-loader*
Especially for mobile first apps

Use something like esri-loader
All about the map / 3D scene?

Use something like maps-app-javascript
Progressive Web Apps

Reliable (*some offline*)
Fast (*service worker to cache content*)
Engaging (*install on homescreen*)
More recommended patterns
Localized (i18n)
//.yaml
geoservice:
  plan: "The source license grants permission..."

copylabel.append('span')
  .html(t('geoservice.plan'));

(source)
Durable state

http://yourapp.com/?center=-117,34&zoom=12
Durable state

```javascript
require(['esri/core/urlUtils'], function(urlUtils) {
    urlUtils.urlToObject("http://www.myworld.com?state_name=Ohio&city_name=Akron")
        .path = "http://www.myworld.com",
        .query = {
            state_name: "Ohio",
            city_name: "Akron"
        }
});
```
Data Citation
Telemetry

'That which is measured, improves' - Thomas S Monson
please, please, please fill out a session survey

1. download the Esri Events App
2. select Dev Summit
3. search for "Hub ready"
4. leave feedback!
idea, question, issue, or success story?

@geogangster / @tomwayson

Slides: http://bit.ly/2I7q0d3