

AGOL WebApp Builder

5 Basic Steps to Building an App

What you select will depend greatly on what you want the application to do. These are the basic steps to creating an application.

On the My Content tab of the content page, click Create, choose Web AppBuilder, and select 2D or 3D.

Open the item page for a map or scene, click Create Web App and choose Web AppBuilder.

Open a map in Map Viewer Classic, click the Share button, and click Create a Web App. In the window that opens, click the Web AppBuilder tab.

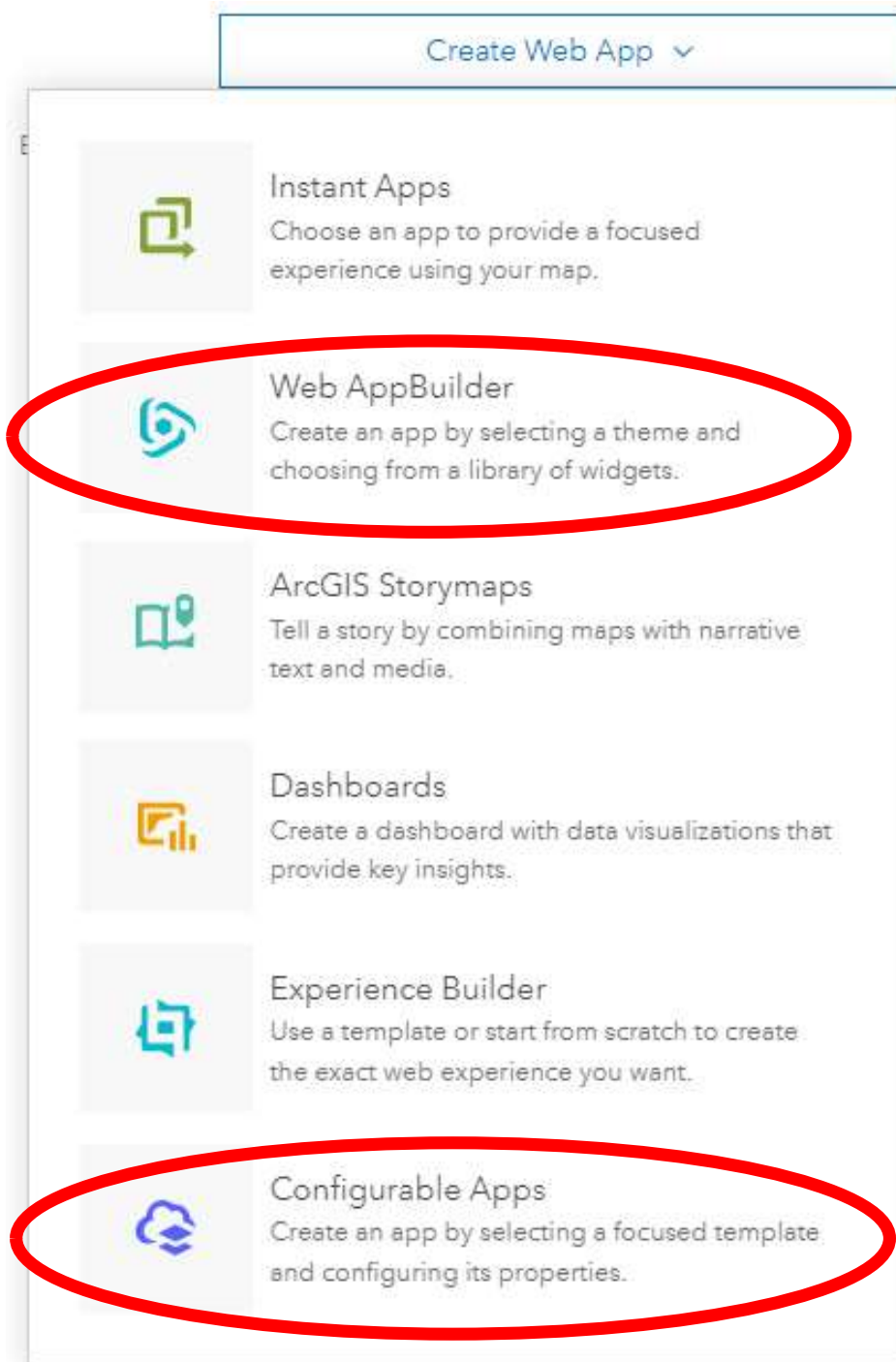
1. Create the App

Three options to initiate a web app:

1. Under your Content Page, click Create app, & Choose Web AppBuilder,
2. Open the item page for a map, click Create Web App and choose Web AppBuilder.
3. Open a map in Map Viewer Classic, click the Share button, and click Create a Web App. In the window that opens, click the Web AppBuilder tab.

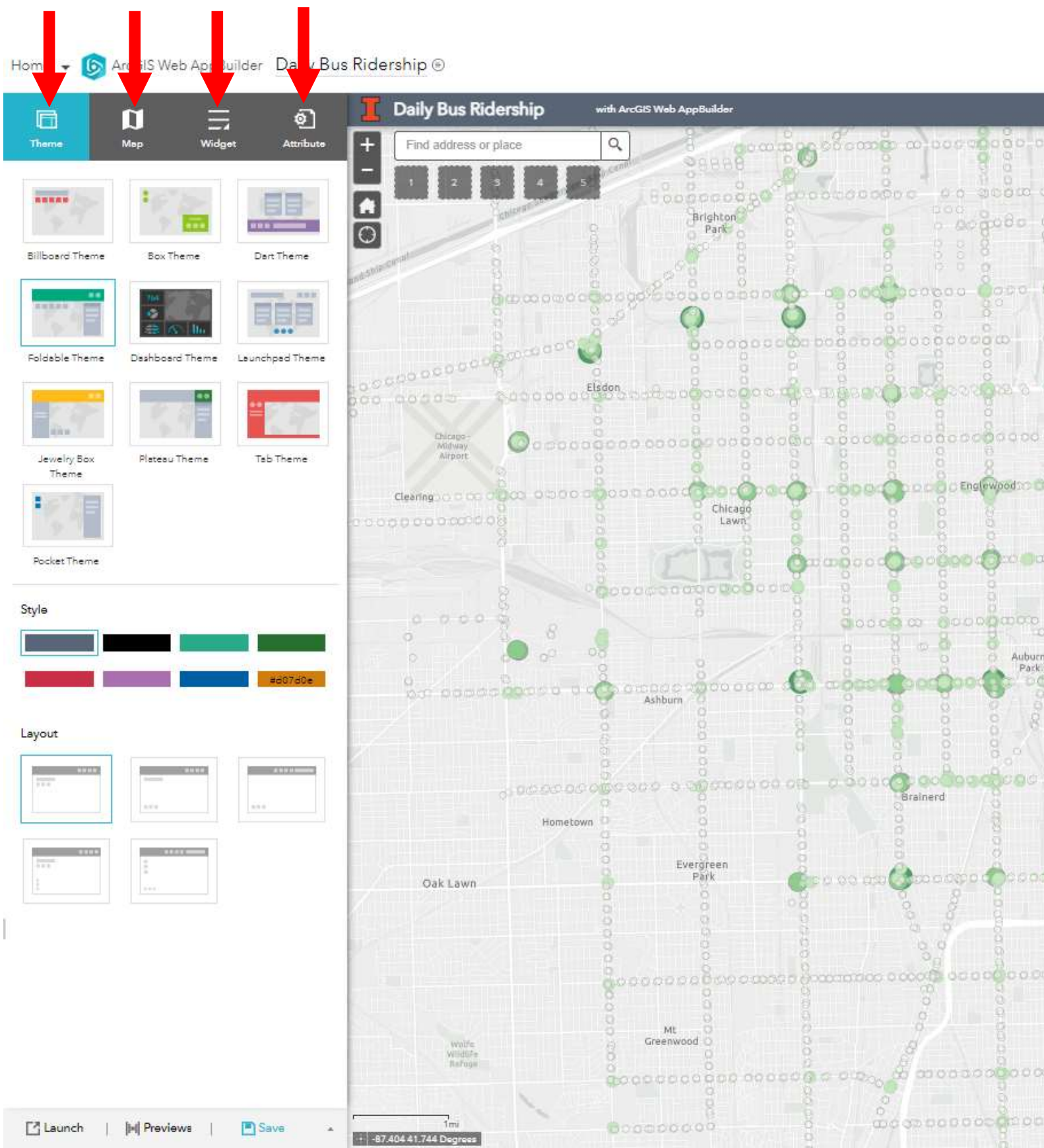
The screenshot shows the ArcGIS Content page. The top navigation bar includes Home, Gallery, Map, Scene, Groups, Content, and Organization. The 'Content' tab is selected. Below the navigation bar, the 'Content' section has a 'New item' button and a 'Create app' button, which is circled in red with a red '1' next to it. A search bar labeled 'Search All My Content' is also present. Below the search bar, the 'Folders' section shows 'All My Content'. The main content area displays a list of items, with 'Daily Bus Ridership' circled in red with a red '2' next to it. A red arrow points from this item to the 'Create Web App' button in the right-hand menu of the item's page. The item's page shows a thumbnail of a map, a title 'Daily Bus Ridership', and a description 'Web Map by shhoover@uic.edu_UnivofIllinois_388246857'. The right-hand menu includes buttons for 'Open in Map Viewer', 'Open in ArcGIS Desktop', 'Create Presentation', 'Open in Field Maps', 'Create Web App', 'Share', and 'Metadata'.

There are a lot of options, for the assignment use either Web App Builder or Configurable Apps. If you feel very motivated to do another version, let me know. The next set of instructions are for Web AppBuilder.



This is what your app looks like on load. To the left you have editing options for Theme, Map, Widget and Attributes. We will go over these one by one.

2. 3. 4. 5.



2. Select the Theme

Theme affects the look, layout, and basic functionality of your app. On this tab you can choose the Theme, Color Style, and Layout

List of themes: <https://doc.arcgis.com/en/web-appbuilder/latest/create-apps/themes-tab.htm>

Home ▾ ArcGIS Web AppBuilder Daily Bus Ridership

Theme Map Widget Attribute

Billboard Theme Box Theme Dart Theme Foldable Theme Dashboard Theme Launchpad Theme Jewelry Box Theme Plateau Theme Tab Theme Pocket Theme

Style

Layout

Daily Bus Ridership with ArcGIS Web AppBuilder

Find address or place

1 2 3 4 5

Brighton Park

Chicago Lawn

Ashburn

Hometown

Clearing

Chicago Ship Canal

Later we will add tools for the map viewer to use here

Note how the different themes organize the tools differently

Themes

Style/Color

Layout

3. Edit your map

Make small edits to your map.

The screenshot shows the 'Edit your map' interface in ArcGIS Web AppBuilder. The top navigation bar includes 'Home', the ArcGIS logo, 'ArcGIS Web AppBuilder', and the application title 'Daily Bus Ridership'. The left sidebar contains four tabs: 'Theme', 'Map' (selected), 'Widget', and 'Attribute'. The 'Map' tab is active, showing a 'Web Map' section with a thumbnail, owner information ('Ownership@uic.edu...'), a last modified date ('6/27/2022'), and a 'Choose web map' button. Below this is the 'Set initial extent' section, which allows specifying the initial map extent when the application starts up. It has two options: 'Use current map view' and 'Use web map's default extent'. The 'Customize visible scales' section allows customizing the visible scales of the map to limit or extend the scale levels which the map can zoom to, with a 'Customize...' button. The 'Set refresh interval' section explains that a refresh interval keeps layers in sync with the latest data and is only applicable to layers whose refresh intervals are activated, with a dropdown menu set to 'Honor each layer's interval'. The main map area on the right shows a street map of Chicago with green circular markers representing bus stops. Red arrows point from callout boxes to the 'Choose web map' button, the 'Use web map's default extent' button, the 'Customize...' button, and the 'Honor each layer's interval' dropdown.

Home ▾ ArcGIS Web AppBuilder Daily Bus Ridership ☺

Theme Map Widget Attribute

Web Map
Ownership@uic.edu...
Last modified: 6/27/2022
More details...
Choose web map ▾

Daily Bus Ridership

Set initial extent
Specify the initial map extent when the application starts up:

Use current map view

Use web map's default extent

Customize visible scales
Customize the visible scales of the map to limit or extend the scale levels which the map can zoom to.

Customize...

Set refresh interval
A refresh interval keeps your layers in sync with the latest data. This setting is only applicable to the layers whose refresh intervals are activated.

Honor each layer's interval ▾

Find address or place

1 2 3 4 5

Brighton Park

Elsdon

Chicago Lawn

Ashburn

Change the web map if you'd like

You can change the map extent (amount zoomed in or out), or keep it the same as the web map (default)

If you would like to restrict zoom in/out ability you can here. Useful if you have A LOT of data.

You can change the refresh (but leave as the default unless you made edits to your map)

4. Select your widgets

Widgets are the backbone to WebApps. Each theme comes with certain preloaded widgets that you can turn on and off. These are called “On-panel widgets”

Note: some of the on-panel widgets are cut off in the screen shot.

Home ▾ ArcGIS Web AppBuilder Daily Bus Ridership ©

Theme Map **Widget** Attribute

On panel widgets:

- Coordinate
- Extent Nav...
- Full Screen
- Home
- My Location
- Overview ...
- Scalebar
- Search
- Splash
- Zoom Slider

Off Panel Widgets

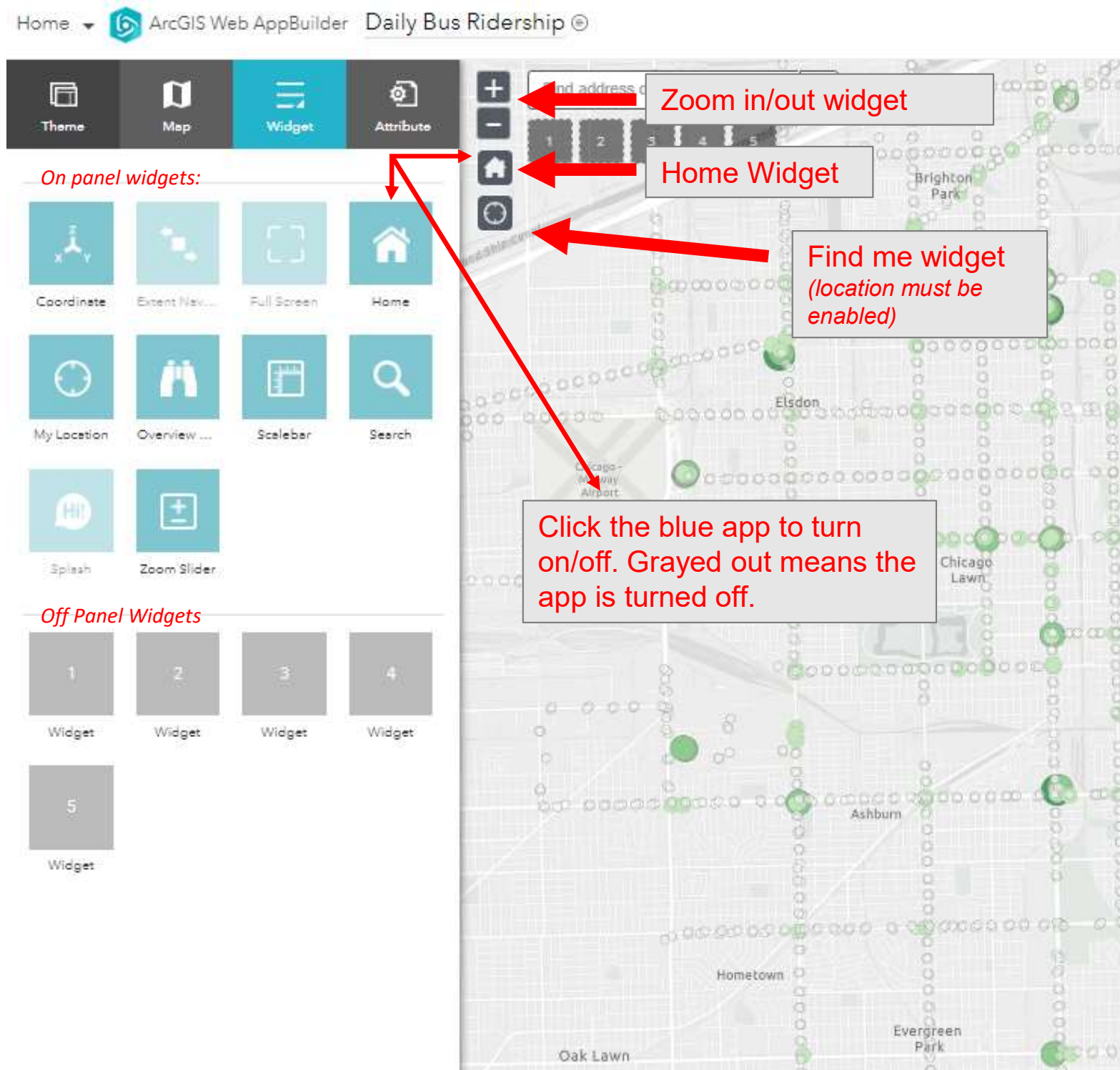
- 1 Widget
- 2 Widget
- 3 Widget
- 4 Widget
- 5 Widget

Zoom in/out widget

Home Widget

Find me widget
(location must be enabled)

Click the blue app to turn on/off. Grayed out means the app is turned off.



Off Panel Widgets are ones you select and will load in the gray boxes. There is a wide variety of widget functionality.

Home ▾ ArcGIS Web AppBuilder Daily Bus Ridership ©

Theme Map **Widget** Attribute

On panel widgets:

- Coordinate
- Extent Nav...
- Full Screen
- Home
- My Location
- Overview ...
- Scalebar
- Search
- Splash
- Zoom Slider

1 2 3 4 5

Widget Widget Widget Widget

5
Widget

Select the gray box to pick the widget that will show in box 1.

There are a lot of widgets:

Full list of widgets: <https://doc.arcgis.com/en/web-appbuilder/latest/create-apps/widget-about.htm>

Choose Widget



Type widget name to search



About



Add Data



Analysis



Basemap Ga...



Batch Attrib...



Bookmark



Business An...



Chart



Coordinate ...



Cost Analysis



Data Aggre...



Directions



Distance an...



District Look...



Draw



Edit



Emergency ...



Filter



Geo Lookup



Geoprocessi...



Grid Overlay



Gridded Ref...



Group Filter



Image Meas...



Incident Ana...



Info Summary



Infographic



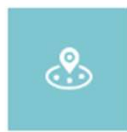
Layer List



Legend



Measurement



Near Me



Network Trace



Oblique Vie...



Parcel Drafter



Print



Public Notifi...



Query



Related Tabl...



Report Feature



Reviewer Da...



Screening



Search



Select



Share



Situation Aw...



Smart Editor



Stream



Suitability M...



Summary



Swipe

5. Add your credits/attributes

Widgets are the backbone to WebApps. Each theme comes with certain preloaded widgets that you can turn on and off. These are called “On-panel widgets”


Note: some of the on-panel widgets are cut off in the screen shot.

Home ▾ ArcGIS Web AppBuilder Daily Bus Ridership ☺

Theme Map

Find address or place 🔍

Branding
Add logo, title, subtitle for your app.

 Daily Bus Ridership A
with ArcGIS Web AppBuilder A

Links
+ Add new link

App state
☒ Keeps map extent and layers visibility while leaving the app.

Extra data source >
Configure data sources for the app in addition to the layers in the map.

Subscriber content access >
Configure ArcGIS Online subscriber content used by the app to allow users to access through your subscription.

You can change/remove this. We don't go to Urbana, so you should ☺

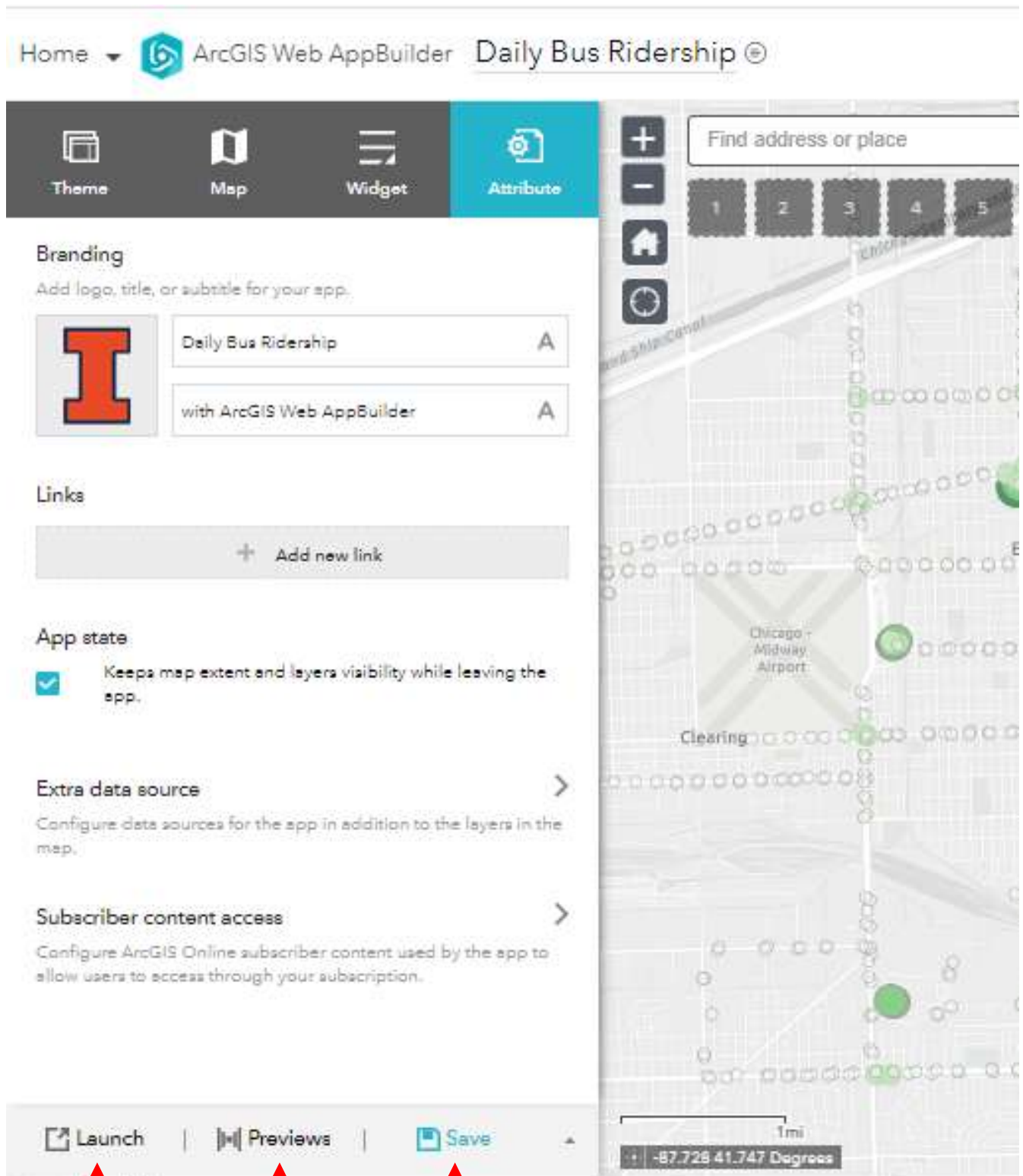
Change the subtitle

Add a link to an external site if you'd like

Brighton Park
Chicago Midway Airport
Clearing
Chicago Lawn
Ashburn
Hometown
Oak Lawn
Evergreen Park

6. Finalize

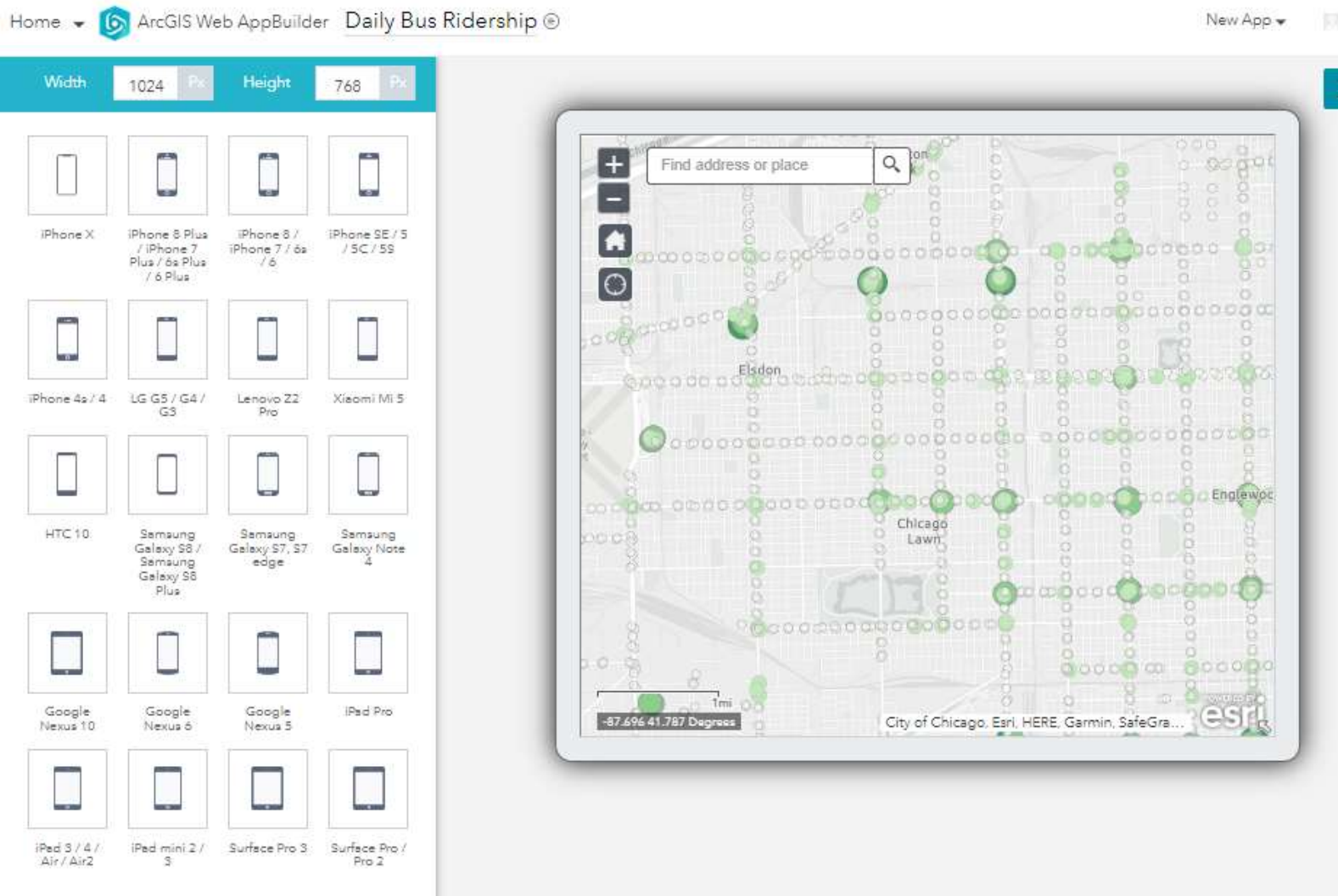
Preview/Save/Launch your App.



Save often!

Saving does not launch the application though

Preview allows you to view the application on a variety of devices:



Finally, after you have previewed, launch the application and you're finished!

