

Do-It-Yourself Exercise

Collect and Share Data with Your Geo Apps

Section 2 Exercise 2

08/2017



Collect and Share Data with Your Geo Apps

Time to complete

Approximately 60-70 minutes.

Introduction

This do-it-yourself exercise is designed to allow you to [apply what you've learned in this section's first exercise](#) with less guidance. Feel free to be creative! It also provides you with an opportunity to further explore available resources and samples.

Note: Completing this exercise is not necessary to earn your certificate, but completion is required to be eligible to earn an award from Esri!

Build a Data-Collection Geo App

In this section's guided exercise, you learned [how to create a GeoForm and a Summary Viewer app](#) from a hosted feature layer and web map. Now that you understand how a single hosted feature layer can be used to both collect and share information, try building your own apps that interest you.

You can collect information about pretty much anything. For example, check out this app, called [The Geo-burrito](#), which lets you enter the location of your favorite burrito restaurant. The GeoForm links to a web app that displays the collected data.

If you want to take advantage of the MOOC community to help crowdsource your data, share your app with the GeoForm Apps group in our course's ArcGIS Online organization and promote it in Udemy throughout the duration of the course.

Share Your App

When you have collected your data, use the same hosted feature layer to [create a geo app where users can interact with your information](#). You can use any of the [configurable apps](#), [Web AppBuilder](#), or even a [Story Map](#) to share your results in an engaging way. Remember to share your apps to the appropriate group if you want feedback from the MOOC community.

[There are three main ways you can share your geo apps to the appropriate group.](#)

1. When you create a new web app from a web map

In the Share dialog, before clicking Create a Web App, share your web map with Everyone (public) and the correct group, as shown in the image below.

Share

Choose who can view this map.
Your map is currently shared with these people.

Everyone (public)
 Do-It-Yourself Geo Apps
 Members of these groups:

AppStudio apps
 Configured apps
 Custom apps
 GeoForm apps
 Story Map apps
 Web AppBuilder apps

Link to this map
<https://www.arcgis.com/home/webmap/viewer.html?webmap=7bd79644b9124de3b3424ba64384528d&extent=-98.0859,-31.2472,98.0859,56.5312>

Share current map extent

Embed this map

[EMBED IN WEBSITE](#) [CREATE A WEB APP](#)

Then, in the Create a New Web App dialog, select Share This App In The Same Way As The Map.

Create a New Web App

Specify a title, tags, and a summary for the new web app.

Title:

Tags: [Add tag\(s\)](#)

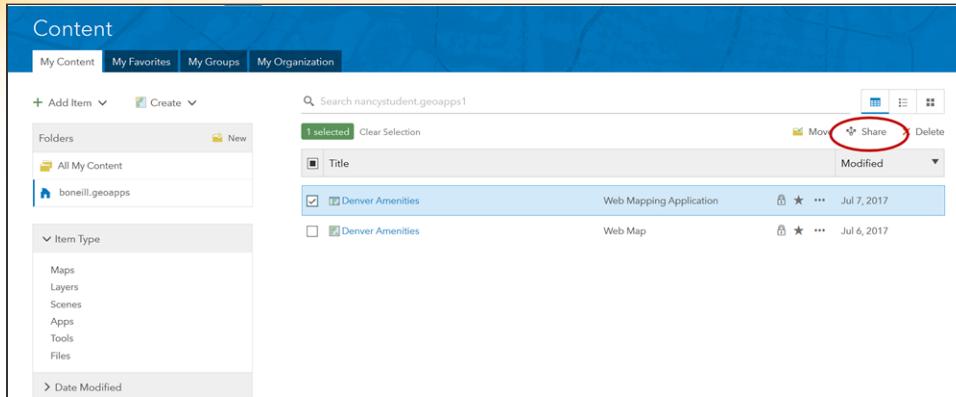
Summary:

Save in folder: [More...](#)

Share this app in the same way as the map (Everyone, Do-It-Yourself Geo Apps, Configured apps)

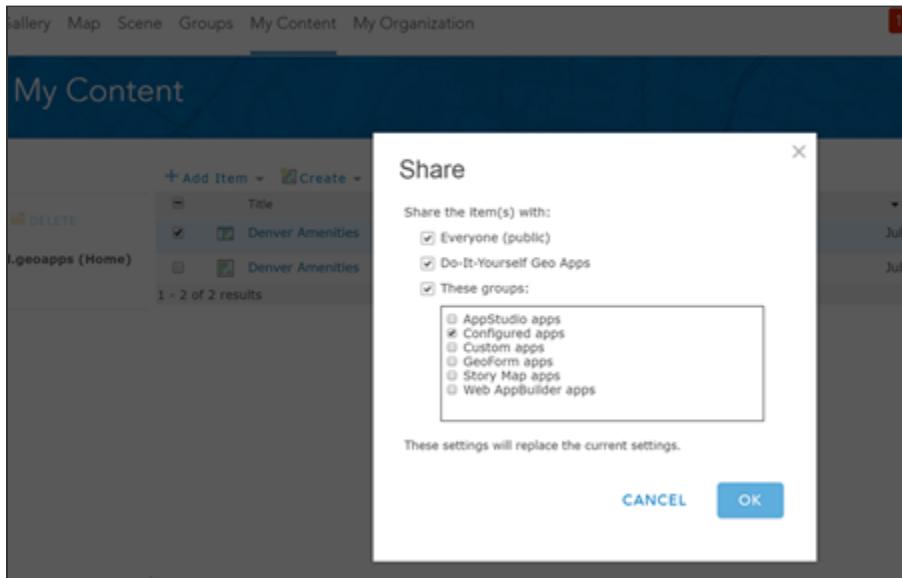
2. From My Content

From your My Content page, select the web application and click Share.



The screenshot shows the ArcGIS Content page. On the left, there's a sidebar with 'Folders' containing 'All My Content' and 'boneill.geoapps'. Below it is a 'Item Type' dropdown with options like Maps, Layers, Scenes, Apps, Tools, and Files. The main area lists items with columns for Title, Type, and Last Modified. One item, 'Denver Amenities', is selected and highlighted in blue. Above the list is a toolbar with a search bar, a '1 selected' button, 'Clear Selection', 'Move', 'Share' (which is circled in red), and 'Delete'.

In the Share dialog that appears, select Everyone (public) and the appropriate group.



The screenshot shows the 'Share' dialog box over a blurred background of the ArcGIS Content page. The dialog has a title 'Share' and a sub-instruction 'Share the item(s) with:'. It contains three checked checkboxes: 'Everyone (public)', 'Do-It-Yourself Geo Apps', and 'These groups:'. Under 'These groups:', there is a list of app types with checkboxes: AppStudio apps (unchecked), Configured apps (checked), Custom apps (unchecked), GeForm apps (unchecked), Story Map apps (unchecked), and Web AppBuilder apps (unchecked). At the bottom of the dialog are 'CANCEL' and 'OK' buttons.

3. From the Item Details page

On the Item Details page, click the Share button.

Do-It-Yourself Geo Apps MOOC

The screenshot shows the 'Denver Amenities' app page on the Esri AppStudio platform. At the top, there's a navigation bar with links for Home, Gallery, Map, Scene, Groups, My Content, and My Organization. A search bar and user profile 'Brendan' are also at the top right. The main content area has tabs for Overview (which is selected), Usage, and Settings. The Overview tab displays a thumbnail image of a map showing Denver, CO, with various locations highlighted. Below the thumbnail, it says 'App highlighting the amenities that Denver, CO has to offer.' by 'brendanstudent_geopapps'. It was last modified on July 10, 2016, and is categorized as a 'Web Mapping Application'. On the right side of the Overview tab, there are buttons for 'View Application', 'Configure App', and 'Share'. The 'Share' button is circled in red. Below the Overview tab, there are sections for Description (with a placeholder 'Add an in-depth description of the item.'), Access and Use Constraints (with a placeholder 'Add any special restrictions, disclaimers, terms and conditions, or limitations on using the item's content.'), and Components.

In the Share dialog, select Everyone (public) and the appropriate group.

This screenshot shows the 'Share' dialog box overlaid on the 'Denver Amenities' app page. The dialog box has a title 'Share' and a sub-instruction 'Share the item(s) with:'. It contains three checked checkboxes: 'Everyone (public)', 'Do-It-Yourself Geo Apps', and 'These groups:'. Under 'These groups:', there is a list of options with checkboxes: 'AppStudio apps', 'Configured apps' (which is checked), 'Custom apps', 'GeoForm apps', and 'Story Map apps'. At the bottom of the dialog box are 'OK' and 'Cancel' buttons. In the background, the app details and sharing options are visible.

Tagging your apps appropriately will also help users search and find them.

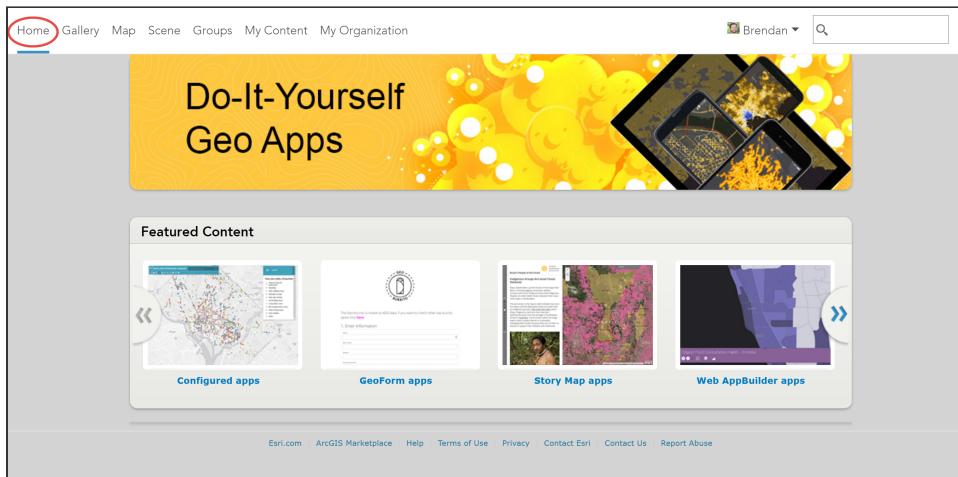
This screenshot shows the 'Edit Tags' dialog box. It lists several tags in a grid: 'denver x', 'points of interest x', 'POI x', 'amenities x', 'colorado x', 'CO x', 'libraries x', 'swimming pools x', 'picnic areas x', 'parks x', and 'local perspective x'. Below the grid is a text input field with placeholder 'Add tag(s)'. At the bottom are 'Save' and 'Cancel' buttons.

Promote Your App in Udemy and on Twitter

Let your peers know about your creation in Udemy. Post a comment in this lecture space to promote your app. You can also use #DIYGeoApps to post your creations on Twitter.

View and Rate Your Peers' Geo Apps

All shared work is easily accessed from your Do-It-Yourself Geo Apps organization Home page. Be sure to view the work of your fellow students and assess the quality of their apps.



After viewing the application, don't forget to rate it and give feedback in the Comments section.

The screenshot shows the ArcGIS Online application page for 'Richmond Bike Commuters'. At the top, there's a preview image of the map application. Below it, the title 'Richmond Bike Commuters' is displayed, along with the owner 'brendanstudent_geapps' and the last modified date 'July 7, 2016'. A red arrow points from the text 'View Application' to the 'View Application' button. To the right of the button is a 'Share' button. The 'Details' section includes a star rating of 3 stars, 240 views, and a creation date of December 30, 2015. It also lists the size (1 KB), API (JavaScript), and purpose (Ready To Use). Below the details are social sharing icons for Facebook and Twitter. The 'Owner' section shows 'brendanstudent_geapps'. The 'Tags' section includes 'app, Richmond, Virginia, bike, bicycle, commuter'. The 'Credits (Attribution)' section states 'No acknowledgements.' The 'URL' section provides the link <http://brendanstudent.maps.arcgis.com/>. A red oval highlights the 'Comments (1)' section, which contains a comment from 'NobleJieDeveloper' that says 'I like this design.' A red arrow also points from the text 'Leave a comment.' to the 'Comment' button.

Earn an Award!

The makers of the most popular geo apps will earn awards at the end of the course, so it is in your best interest to share your apps to the appropriate groups, make your apps searchable, and to promote them in Udemy and Twitter.

Learn More

Learn more about the topics in this section:

General ArcGIS Online resources

[Get started with ArcGIS Online](#)

[Learn ArcGIS \(great tutorial\)](#)

[Smart Mapping tutorial \(data visualization\)](#)

[Web map basics](#)

[Geo App basics](#)

[ArcGIS blog \(great source of current information\)](#)

Data collection apps

[GeoForm \(and its page on GitHub\)](#)

[Collector for ArcGIS](#)

[Survey123 for ArcGIS](#) (and its [page on GitHub](#))