

Do-It-Yourself Exercise

Create a Web AppBuilder App for
Your Community

Section 4 Exercise 2

08/2017



Create a Web AppBuilder App for Your Community

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!

Create a Geo App with Web AppBuilder

In this section's guided exercise, you used Web AppBuilder for ArcGIS and layers from the Living Atlas of the World and Esri demographic data to create a geo app that explains the market potential for organic products to local retailers and restaurants. Julie's passion was making sure that her baby eats organically to give him a clean start. What's your passion?

In this do-it-yourself exercise, we encourage you to explore layers in the Living Atlas of the World, Esri demographic data, and your own data. Most of you will configure your app in ArcGIS Online with [Web AppBuilder for ArcGIS \(Standard Edition\)](#). However, if you have some JavaScript development skills or just feel like challenging yourself, you can use [Web AppBuilder for ArcGIS \(Developer Edition\)](#).

In the developer edition, you can build your own custom widgets and themes, and take advantage of the work being done by an already active [Web AppBuilder community](#). There is full documentation [here](#) on how to get started. Remember that using this approach may be challenging if you don't have a background in development. Don't let that discourage you if you'd like to push your limits, though. Look to GeoNet for help if you get stuck!

Note: You will need to have a web server set up to publish apps using Web AppBuilder for ArcGIS (Developer Edition).

Share Your App

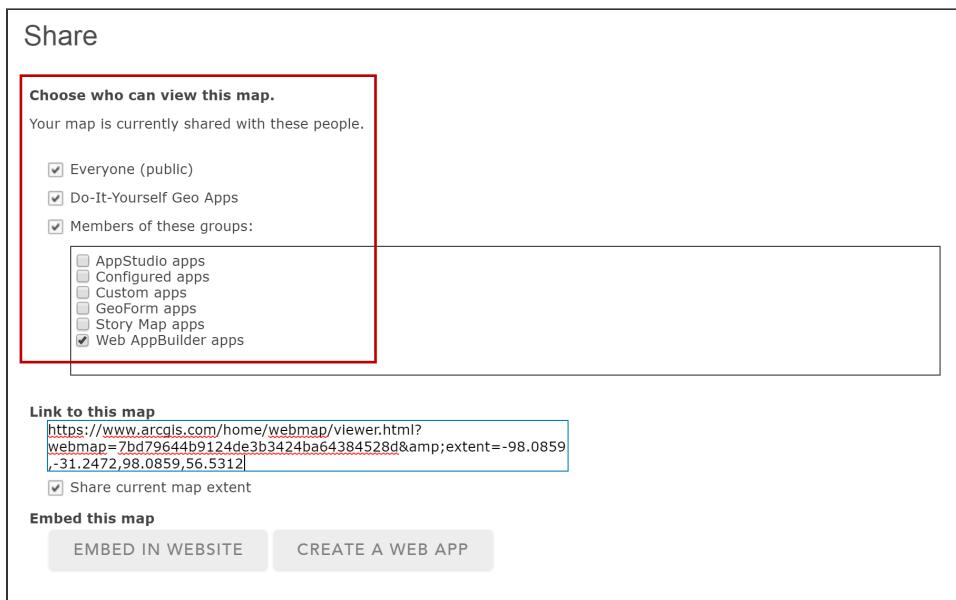
Regardless of whether you used the standard or developer edition of Web AppBuilder, we want to see your creations! When you have finished your Web AppBuilder app, share it with

your peers in the Web AppBuilder Apps group. To share your apps with the MOOC community, you must join the correct group.

There are three main ways you can share your geo apps to the appropriate group.

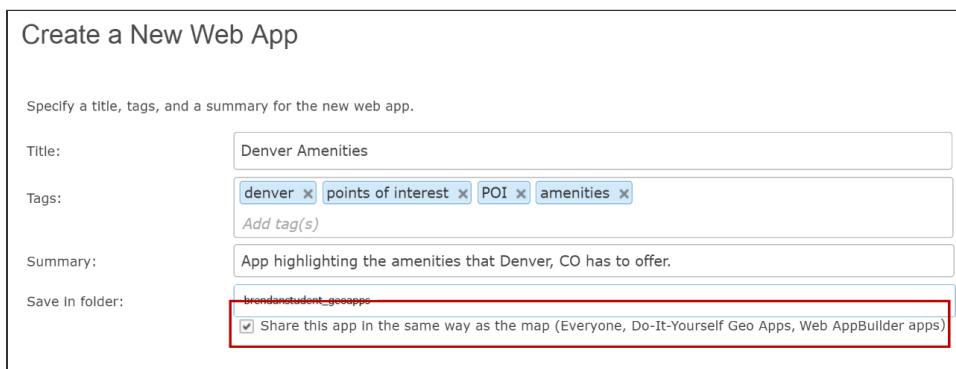
1. When you create a new web app from a web map

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.



The screenshot shows the 'Share' dialog box. In the 'Choose who can view this map' section, there is a red box around the 'Everyone (public)' checkbox and the 'Members of these groups:' dropdown menu. The dropdown menu also has a red box around the 'Web AppBuilder apps' checkbox. Below this, the 'Link to this map' section shows a URL: <https://www.arcgis.com/home/webmap/viewer.html?webmap=7bd79644b9124de3b3424ba64384528d&extent=-98.0859,-31.2472,98.0859,56.5312>. At the bottom, there are 'EMBED IN WEBSITE' and 'CREATE A WEB APP' buttons.

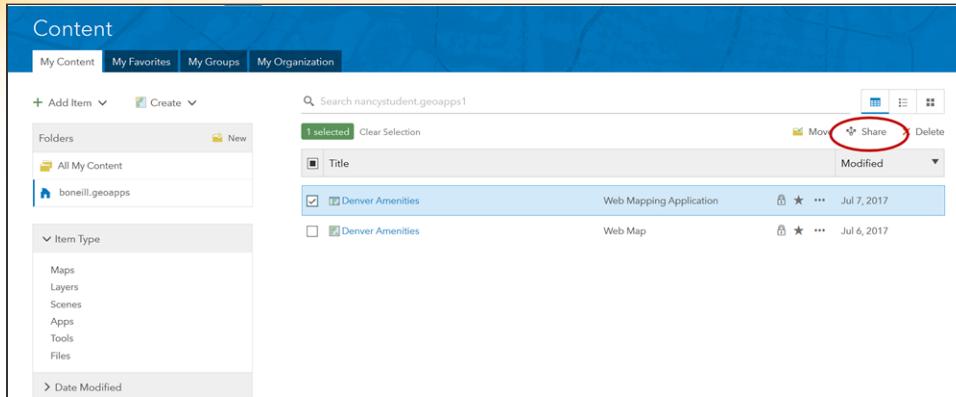
Then, in the Create a New Web App dialog, select Share This App In The Same Way As The Map.



The screenshot shows the 'Create a New Web App' dialog box. It includes fields for Title (Denver Amenities), Tags (denver, points of interest, POI, amenities), Summary (App highlighting the amenities that Denver, CO has to offer), and Save in folder (brendanstudent_geoppp). A red box highlights the 'Share this app in the same way as the map (Everyone, Do-It-Yourself Geo Apps, Web AppBuilder apps)' checkbox at the bottom.

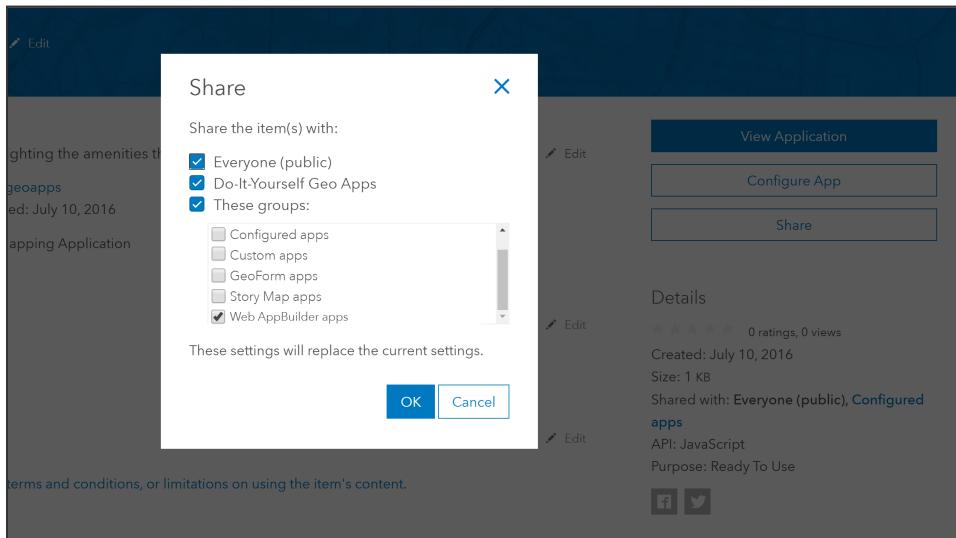
2. From My Content

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



The screenshot shows the ArcGIS Content interface. In the center, there's a list of items under the heading 'Denver Amenities'. At the top of this list is a 'Web Mapping Application' and below it is a 'Web Map'. To the right of the list, there are several icons for managing the items: Move, Share (which is circled in red), Delete, and a dropdown menu. On the left side, there's a sidebar with sections for Folders, Item Type (Maps, Layers, Scenes, Apps, Tools, Files), and Date Modified.

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



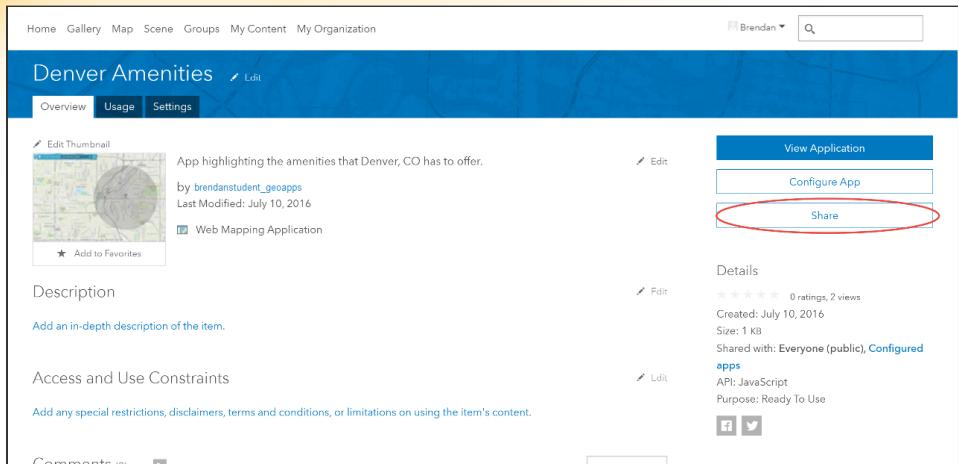
The screenshot shows a 'Share' dialog box overlaid on an item details page. The dialog box has a title 'Share' and a sub-instruction 'Share the item(s) with:'. It contains three checked options: 'Everyone (public)', 'Do-It-Yourself Geo Apps', and 'These groups:' followed by a list of app types: Configured apps, Custom apps, GeoForm apps, Story Map apps, and Web AppBuilder apps. Below the dialog is a note: 'These settings will replace the current settings.' with 'OK' and 'Cancel' buttons. The background shows the 'Details' section of the item 'Denver Amenities' with fields like View Application, Configure App, Share, and a summary of the item.

3. From the Item Details page

On the Item Details page, click the Share button.

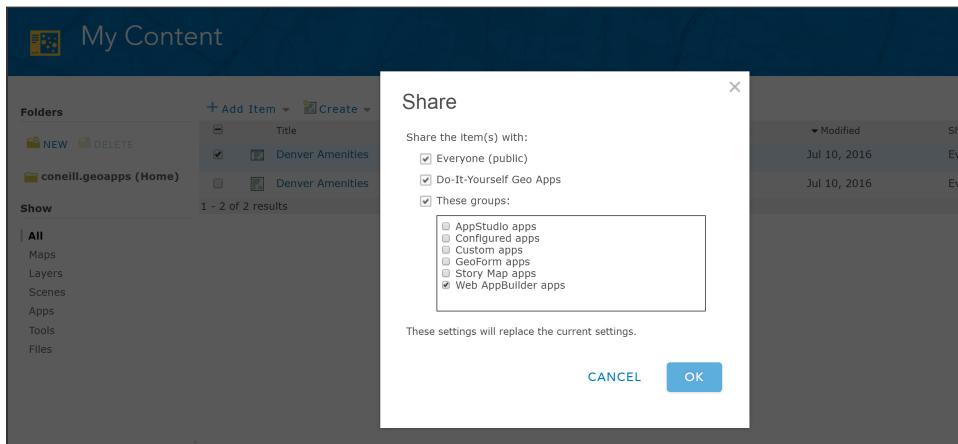


Do-It-Yourself Geo Apps MOOC



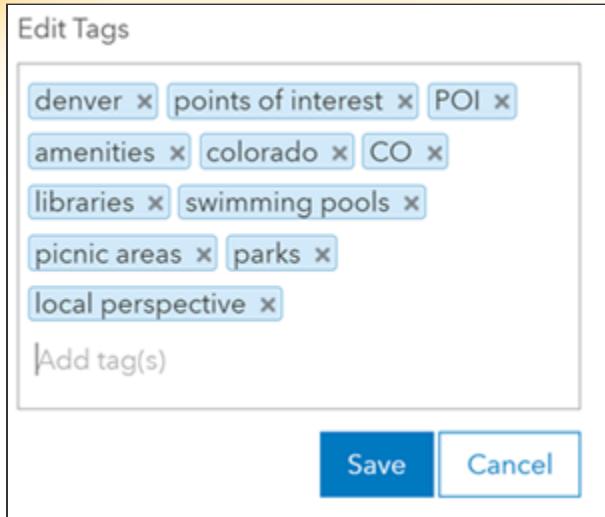
The screenshot shows the 'Denver Amenities' application page. At the top, there's a navigation bar with links for Home, Gallery, Map, Scene, Groups, My Content, and My Organization. A search bar and user profile 'Brendan' are also at the top. Below the title 'Denver Amenities' are tabs for Overview (selected), Usage, and Settings. The Overview tab displays a thumbnail of a map, the app's description ('App highlighting the amenities that Denver, CO has to offer.'), its author ('by brendanstudent_geopapps'), last modified date ('Last Modified: July 10, 2016'), and category ('Web Mapping Application'). On the right side, there are buttons for View Application, Configure App, and Share, with the 'Share' button circled in red. Below these buttons is a 'Details' section with information like ratings (0), views (2), creation date (July 10, 2016), size (1 kB), sharing settings (Everyone public), API (JavaScript), and purpose (Ready To Use). There are also social sharing icons for Facebook and Twitter.

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



The screenshot shows the 'My Content' page with a 'Share' dialog box open. 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:', several checkboxes are listed, with 'Web AppBuilder apps' being the only one checked. Below the checkboxes is a note 'These settings will replace the current settings.' and two buttons: 'CANCEL' and 'OK'. The background of the main content area shows a list of items under the folder 'coneill.geoapps (Home)'.

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



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 the hashtag #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 showing bike commuting concentrations in Richmond, Virginia. 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 to the 'View Application' button. To the right, there's a 'Share' button and a 'Details' section which includes a star rating of 3 stars from 3 ratings, 240 views, and a creation date of December 30, 2015. The 'Comments' section below has one comment from 'NobleJieDeveloper' with a reply from 'I like this design.' A red oval highlights the 'Leave a comment' input field and 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 \(great source of current information\)](#)