

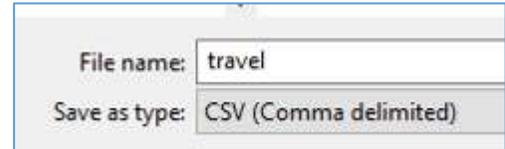
## Day 3: Learning Activities

### Creating a GeoForm from a CSV

GeoForms are created in organizational accounts. The author must have publisher status.

Create the fields

1. Open Excel. Create a document with fields.
2. Set up the fields. Save the document.
3. Save as a .csv. (comma separated values).
4. Good practice to fill in some sample data so that the computer will recognize numeric fields.



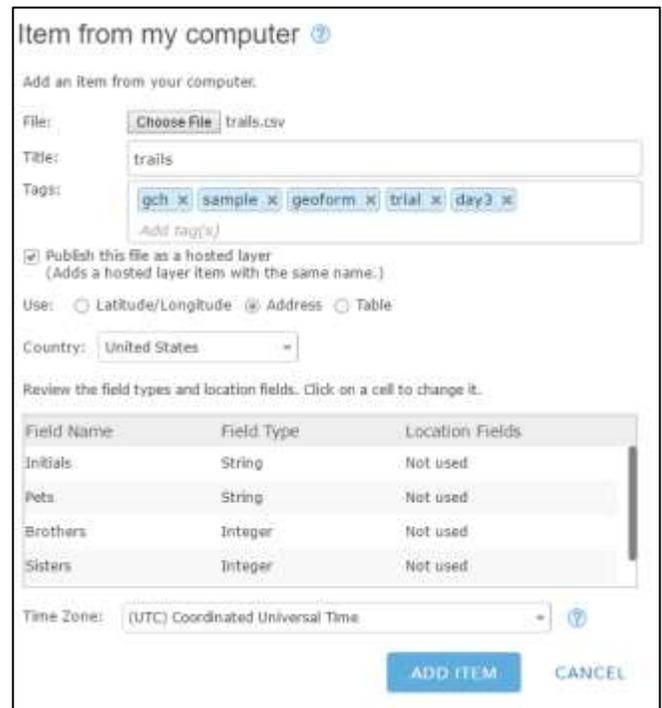
Initials	Pets	Brothers	Sisters	Country
gch	cats	0	0	United States

Creating the feature service (holds data for GeoForm)

1. Log into your organizational account in ArcGIS Online.
1. Go to My Content, Add Item, from my computer.
2. Keep publish checked. Add tags, etc.
3. If you have numerical fields, you need to change the Field Type from the drop down menu.
  - String= text
  - Integer
  - Small integer
  - Single
  - Double – accommodates decimals
  - Date
4. Change type if needed.

You have created a hosted feature service.

5. When prompted do you want to review the matched address, say no. There are no addresses in the spreadsheet.



Documenting the feature service (Overview tab)

1. Go to My Content, Find the feature layer. Select view item details.
2. Fill in a summary
3. Write a description.
4. There is an option to enable attachments. You could add photos if it is enabled.
5. Share with everyone.
6. Export data, if you want a csv in the future select that option.



### Data tab

Look at the data tab. New with the June release.

You can edit the table for a layer here. Useful when entries are not standard.

### Settings tab

Set the extent of the map.—the area that will be visible when the map opens.

Enable editing and then more

### Set the parameters for editing

1. Check Enable editing and then use the choices below as a guide.

The screenshot shows the 'Feature Layer (Hosted) Settings' dialog box. It has a 'Save' button and a 'Cancel' button in the top right corner. The 'Editing' section is expanded, showing the following options:

- Enable editing
- Keep track of who created and last updated features.
- Who can edit features?  
Share the layer to specific groups of people, the organization or publicly via the Share button on the Overview tab.
- What kind of editing is allowed?
  - Add, update, and delete features
  - Only update feature attributes
  - Only add new features
- What features can editors see?
  - Editors can see all features
  - Editors can only see their own features (requires tracking)
- What features can editors edit?
  - Editors can edit all features
  - Editors can only edit their own features (requires tracking)
- What access do anonymous editors (not signed in) have?
  - The same as signed in editors
  - Only add new features, if allowed above (requires tracking)
- Who can manage edits to this layer besides you and an administrator?  
Share the layer to groups that allow all members to update group content. These groups are created by administrators. [More info](#).

Export Data

- Allow others to export to different formats.

Must be shared with everyone so they can access it.

### Create a map

2. Find the feature layer in My Content.
3. Click on the arrow to its right.
4. Select Add to map with full editing control.
5. Change the symbol.
6. Save the Map. Be sure to have the full title of the map in the tags.
7. Share the map with everyone. If prompted to update sharing, update the sharing.

### Creating the GeoForm

1. On the share page from within the app, select Create a Web App.
2. Choose GeoForm from the Collect, Edit Data Category. Fill out name and tags for the app.
3. Select the layer to store the data.
4. Details—small header, upload a logo image (use a URL). Add instructions. Text for submit button.
5. Fields, select those you want to be operational. You can change the order here.

6. Style—select from the drag down menu. Detailed customization is possible through code, Create a Web App with current map extent.
7. Viewer—keep as is
8. Options—disable social media, locate on load make sure it is unchecked. Pick your color of pushpin. Uncheck My Location.
9. Check out your form.
10. Then select publish. You can go in and do edits once the form is published.

Complete your form and test with neighbors. Have them search for it and then add data.

You can symbolize the map attached to the GeoForm.

#### *Create an Elevation Profile App*

1. New map, change basemap to Oceans.
2. Save and document the map. Every file in an org must be unique.
3. Share the map, with the org is sufficient. Choose Create App.
4. Choose Elevation Profile from the Explore/Summarize Data category. Create Web App
5. General—add a title and description.
6. Splash screen used to give directions. Check to make it visible when the app opens.
7. Theme—select colors.
8. Options—basemap, legend etc.
9. Elevation Profile—set measurement units and placement of profile. Select colors.
10. Custom URL—skip.
11. Save. Then Save and View.
12. Try it out. Depending on the distance it may take the profile a while to run.

Experiment with other apps. Use the ESRI Tutorials to walk you through the steps.

- Minimalist—can be configured to have pop-ups open in the side panel
- Swipe—compare two maps or two layers of one map
- Story Map Basic

#### *Create an App with Web App Builder*

1. Select a map. Save and document the map.
2. Share the map. Select Create App, from Web AppBuilder.
3. Select a theme—Foldable is my favorite.
4. Select a Style—color.
5. Select Layout—diagrams show where buttons will appear.
6. Map Tab—Choose web map, but you already did. Set the extent.
7. Select Widgets—Header controller. As you mouse over the widgets if they are on the map they will be highlighted.
8. Select optional widgets. Good choices—measurement, draw, basemap gallery. If you are daring, set up a filter.
9. Web AppBuilder is customized to devices. See what it looks like. Generates a QR code.