HOT APPS SCAVENGER HUNT

UTILIZING SURVEY123 FOR ARCGIS

- ESRI Technology

- Utilizes similar functionality to Microsoft or google forms but with spatial aspect

- Collected features are saved as Feature service

Create a New Survey
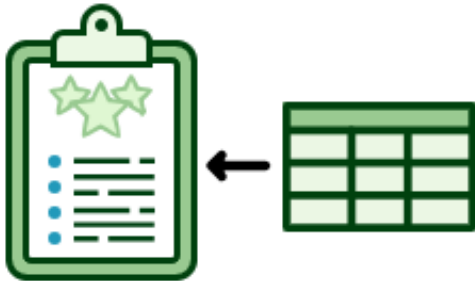
Using the web designer

- Get started quickly
- Best for simple surveys
- Author your survey graphically

Get Started

Using Survey123 Connect

- Using a desktop application
- Full smart form capabilities
- Author through XLSForm spreadsheet

Get Started

- Types tab contains all acceptable inputs for columns within survey tab

- Most input types easily convert over to ESRI field types.
  - Integer = Long
  - Decimal = Double
  - Text = Text

- Can also include special types as attachments or to fill fields with data.
  - Image
  - Audio
  - Barcode
  - Note

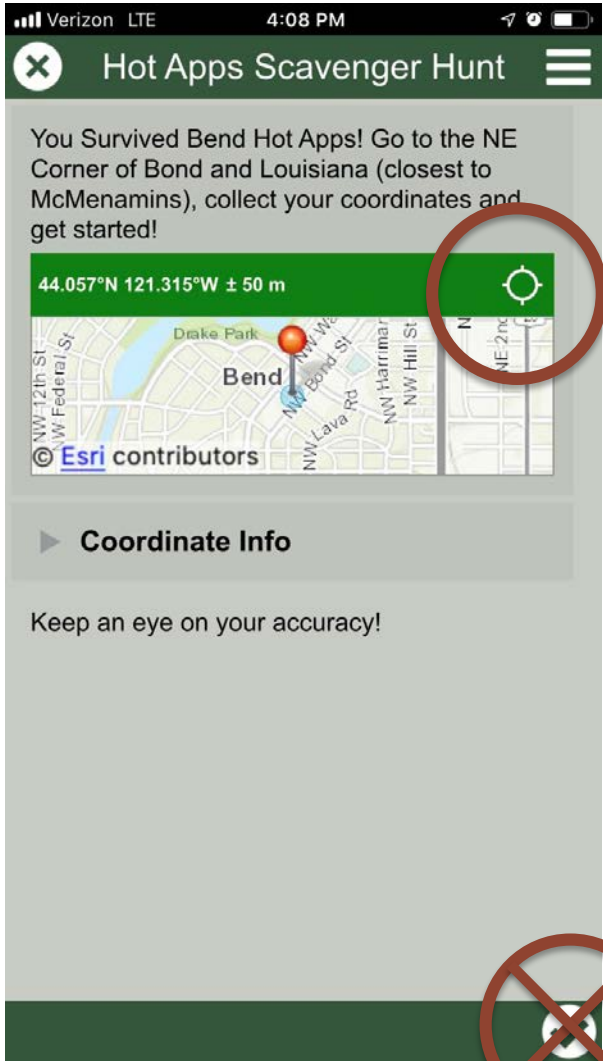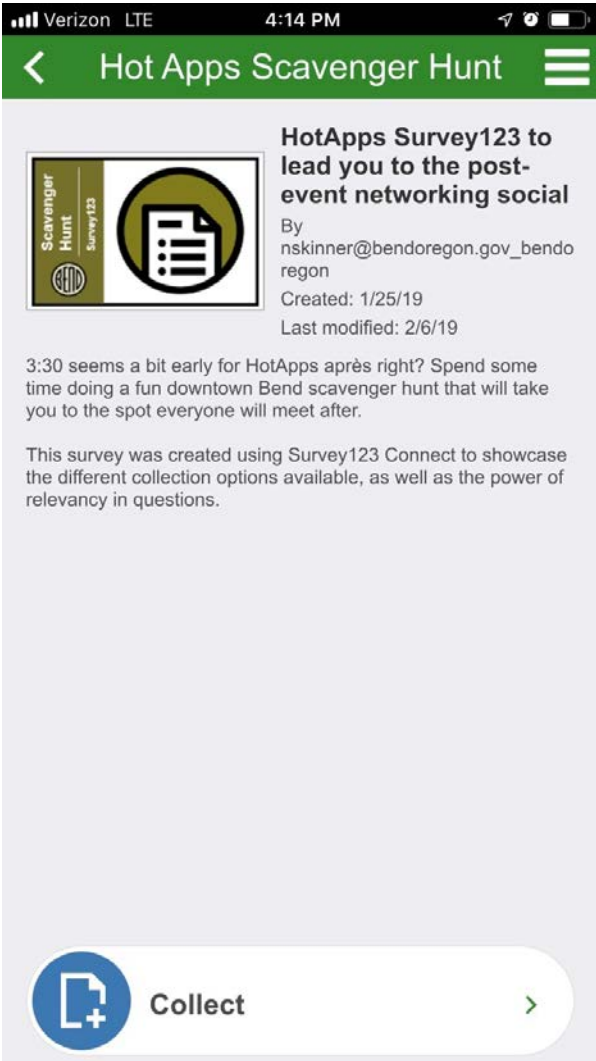| Field Types	
integer	Integer (i.e., whole number) input.
decimal	Decimal input.
text	Free text response.
select_one [list_name]	Multiple choice question; only one answer can be selected. Edit to reference the correct list name. Ignore any warnings after changing values.
select_multiple [list_name]	Multiple choice question; multiple answers can be selected. Edit to reference the correct list name. Ignore any warnings after changing values.
note	Display a note on the screen, takes no input.
geopoint	Collect a single GPS coordinates.
date	Date input.
time	Time input.
dateTime	Date and time input.
image	Takes a picture.
begin group	Begin a group of questions.
end group	End a group of questions.
begin repeat	Begin a set of repeating questions.
end repeat	End a set of repeating questions.
calculate	Performs a calculation on values in the form. The calculate field will contain the outcome of the calculation. This is a hidden field, not visible on the form.
username	When signed into ArcGIS Online, this field is automatically populated with the account username.
email	When signed into ArcGIS Online, this field is automatically populated with the account email address.
hidden	This will create a field in your feature service that will not be displayed on the form. Use the bind::esri:fieldType and bind::esri:fieldLength columns to specify the data schema for this field.
barcode	Scan a barcode or a QR code.
start	Start date and time of the survey.
end	End date and time of the survey.
audio	Records an audio sample.

	type	name	label	relevant	calculation
2					
3	geopoint	answer1	You Survived Bend Hot Apps! Go to the NE Corner of Bond and Louisiana (closest to McMenamins), collect your coordinates and get started!		
4					
5					
6	begin group	properties1	Coordinate Info		
7	decimal	latitude1	Latitude		round(pulldata("@geopoint",${answer1},"y"),4)
8	decimal	longitude1	Longitude		round(pulldata("@geopoint",${answer1},"x"),4)
9	decimal	altitude1	Altitude		round(pulldata("@geopoint",${answer1},"z"),0)
10	decimal	haccuracy1	Horizontal Accuracy		pulldata("@geopoint",${answer1},"accuracy")
11	end group				
12	note		Keep an eye on your accuracy!	${haccuracy1} > 20	
13	note		You are ready to go! Next question below.	(${latitude1} < 44.0569 and ${latitude1} > 44.0565) and ((${longitude1}*-1) > 121.3146 and (${longitude1}*-1) < 121.315)	

Relevancy can be powerful for collecting data (similar to subtypes in some ways)

- Click **Collect** to start survey once downloaded

- If when scrolling down, you don't see the next question, your answer is incorrect!
  - The circled crosshairs will collect your coordinates

- Don't click the Check in the lower right until you are completed with the survey. If you submit early you will have to restart!

https://arcg.is/1bnPm4

- Download Survey123 if you don't already have it.

- If prompted - Be sure to enable location services while using Survey123.