

# Editing with the ArcGIS API for JavaScript

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👉 Slides & demos: <https://bit.ly/editinguc19> 👈



SEE  
WHAT  
OTHERS  
CAN'T

# Agenda

- Web editing
- Editor widget
- Different workflows
- Q&A

# Data in a feature service

- One or more feature layers
- Editable

# Edit your feature layer

ArcGIS REST API

ArcGIS Online

ArcGIS API for Python

ArcGIS API for JavaScript

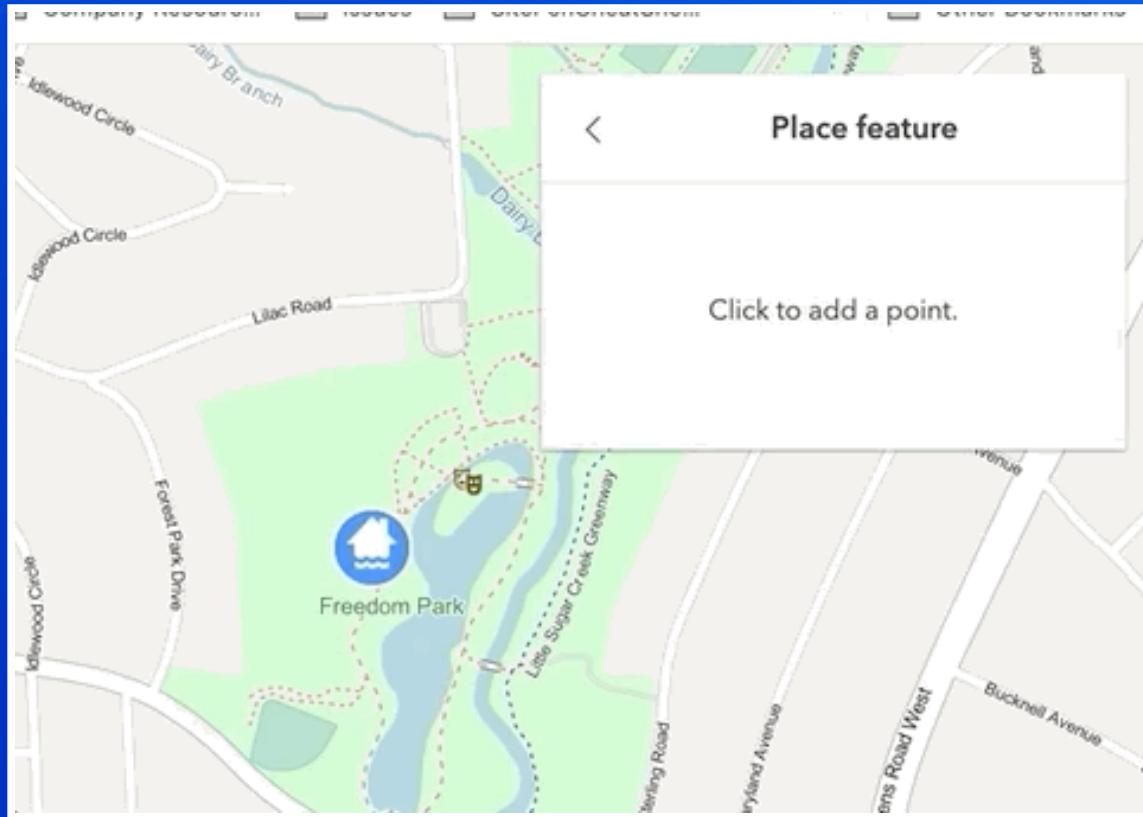
# Web editing in the browser

1. What to add: FeatureTemplates
2. Geometry: Sketch
3. Fields/attributes: FeatureForm
4. FeatureLayer.applyEdits

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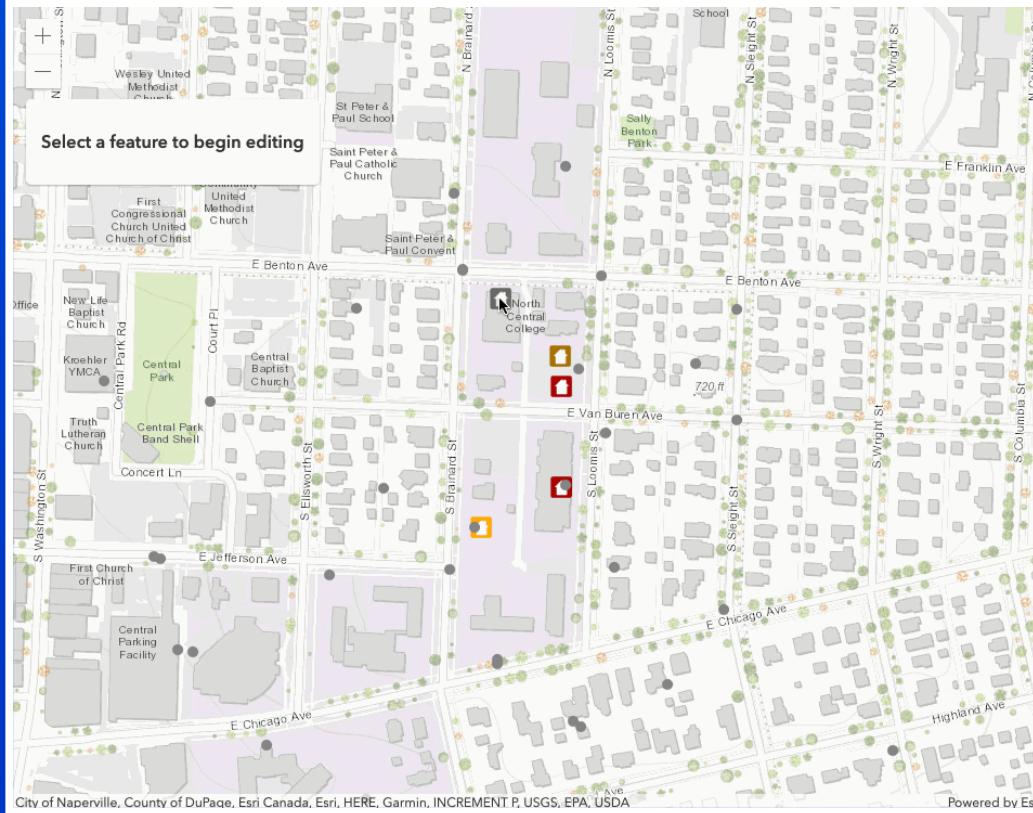
5. Editor widget

# Editor widget



# Different Workflows

# Form-based



FeatureForm

# FeatureForm

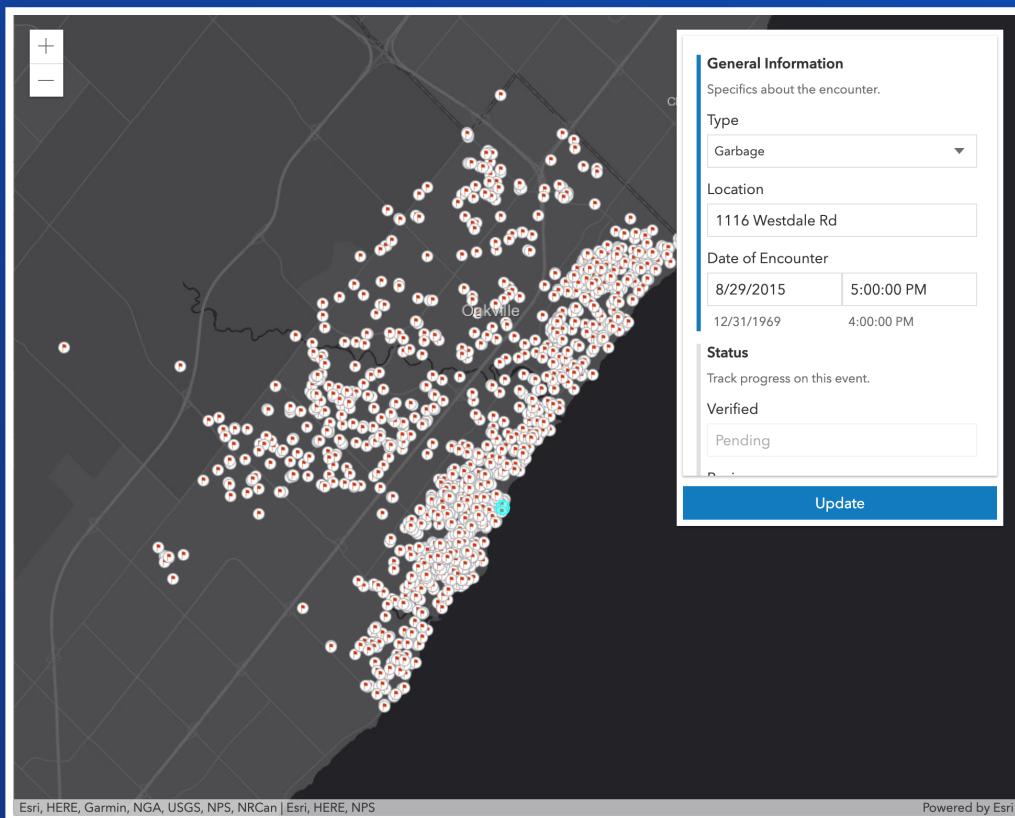
# FeatureForm

- Renders input fields from attributes

# FeatureForm

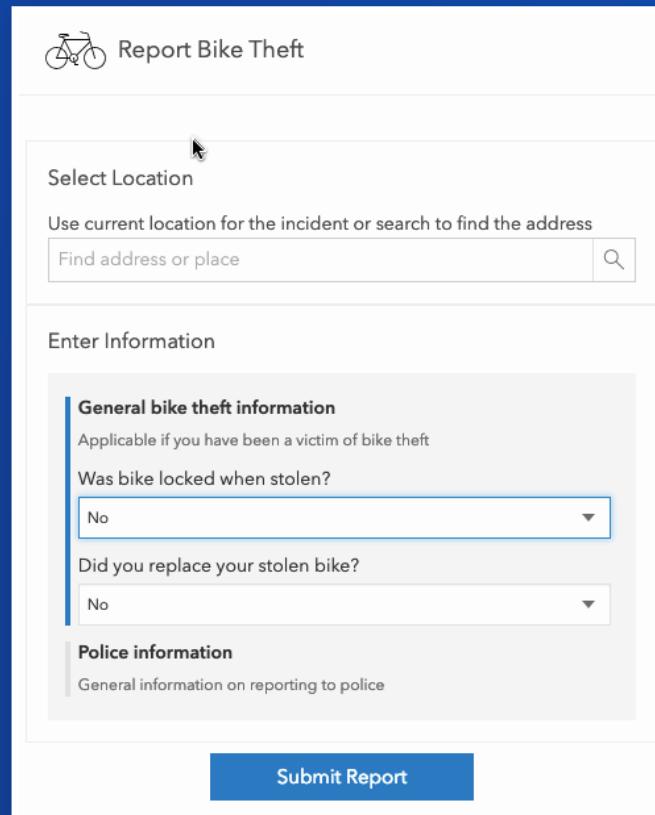
- Renders input fields from attributes
- Configurable
  - Field order
  - Label/description
  - Groups
  - Visibility expression

# FeatureForm Demo



# Putting it all together

## Use case: Report Bike Theft



The image shows a screenshot of a web-based reporting interface for bike theft. The title bar at the top features a bicycle icon and the text 'Report Bike Theft'. The main content area is divided into sections: 'Select Location' (with a search bar for address or place), 'Enter Information' (containing 'General bike theft information' and 'Police information' sections), and a 'Submit Report' button at the bottom. The 'Enter Information' section is expanded, showing dropdown menus for questions like 'Was bike locked when stolen?' and 'Did you replace your stolen bike?'. The 'Police information' section is partially visible below it.

Report Bike Theft

Select Location

Use current location for the incident or search to find the address

Find address or place

Enter Information

**General bike theft information**

Applicable if you have been a victim of bike theft

Was bike locked when stolen?

No

Did you replace your stolen bike?

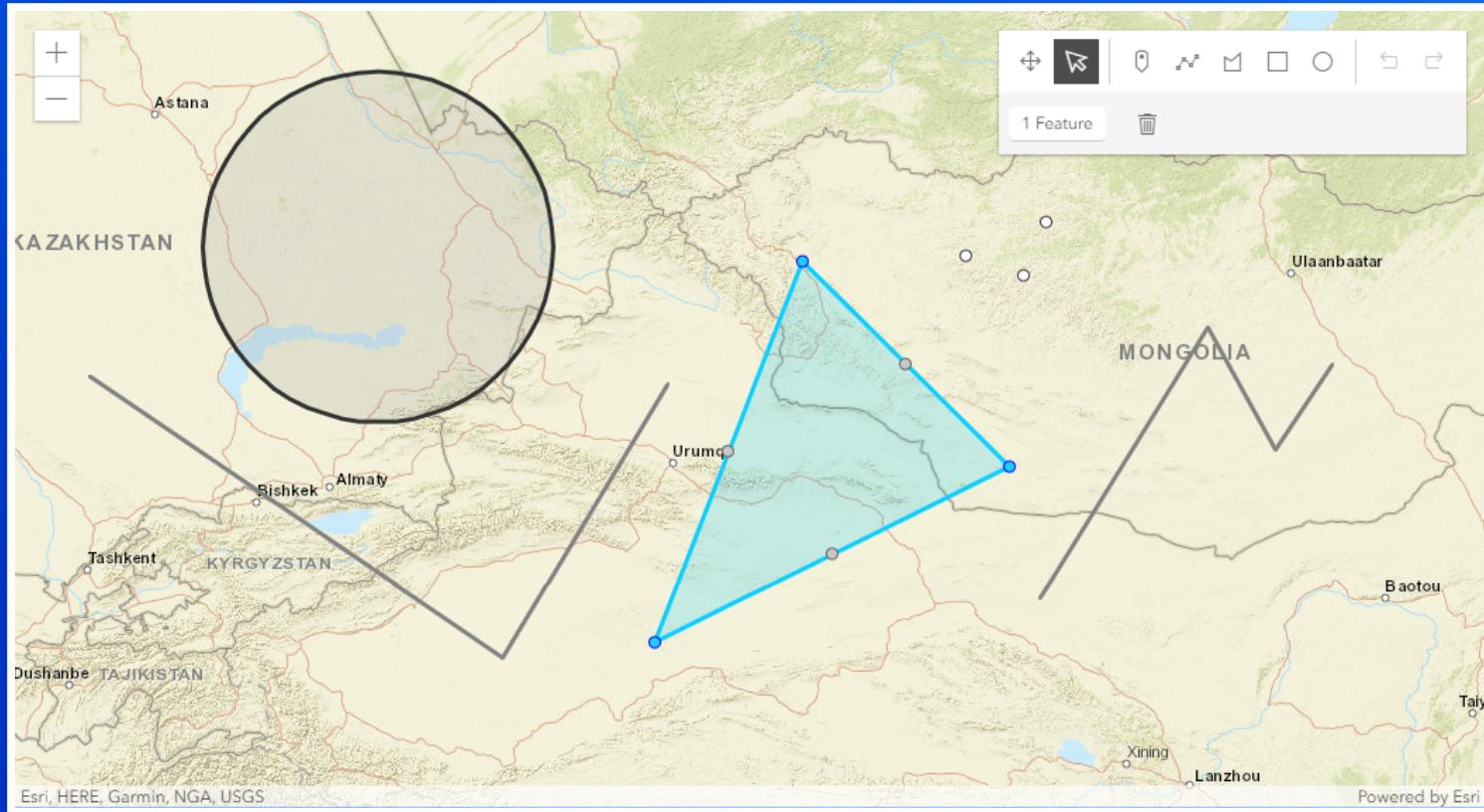
No

**Police information**

General information on reporting to police

Submit Report

# Geometry-based



👉 Sketch

# Sketch and SketchViewModel

- Provides ability to manipulate geometries
- The widget provides out-of-the-box tools for creating and updating graphics
  - point, polyline, polygon, rectangle and circle geometries
- Keyboard shortcuts
- Works with with graphics stored in its associated layer (`GraphicsLayer`) property.

# Editor or Sketch?

- Use Sketch in place of Editor for customized workflows, e.g.
  - Create own custom tool that Editor does not yet have, e.g. Cut
  - Updating multiple geometry types simultaneously
  - Configurable tool options (create and update)

# SketchViewModel with applyEdits

# Sketch widget with applyEdits

# Sketch with custom tools

Use case: Custom sketch tool functionality using  
GeometryEngine

# SketchVM with custom snapping and validation

# FeatureLayer without feature service

Use FeatureLayer.source (instead of FeatureLayer.url) for an array of client-side features.

Demo

# Recap

- Web editing
- Editor widgets
- Different workflows

our apps and suggestions with us...

pps!

pressions on the latest API

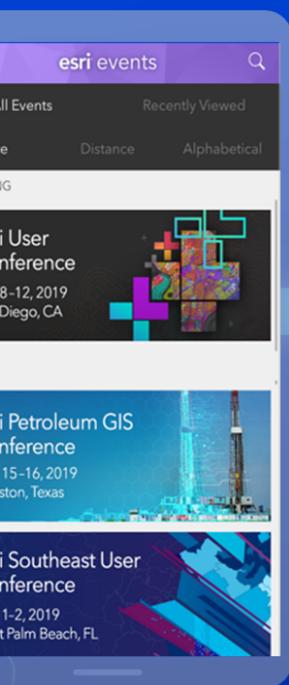
for next UC or Developer Summit related to web development



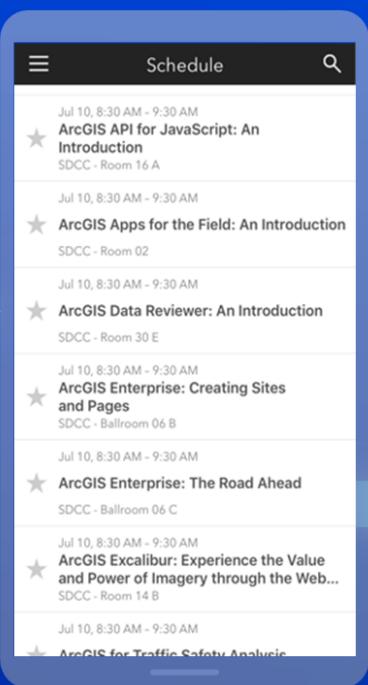
jsapi\_pm@esri.com

# Please Share Your Feedback in the App

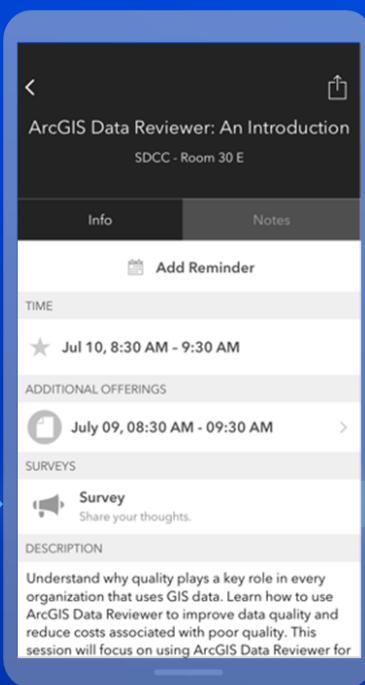
Download the Esri events app and find your event



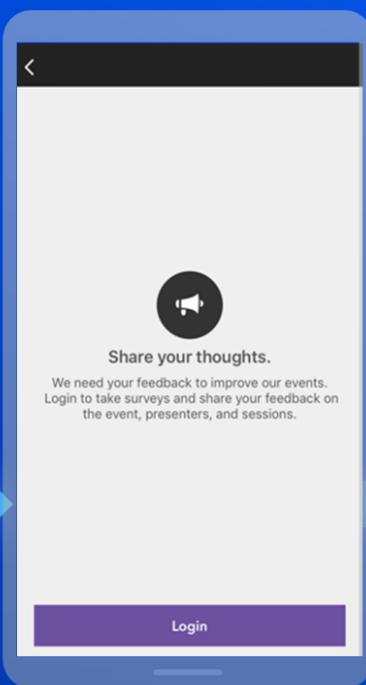
Select the session you attended



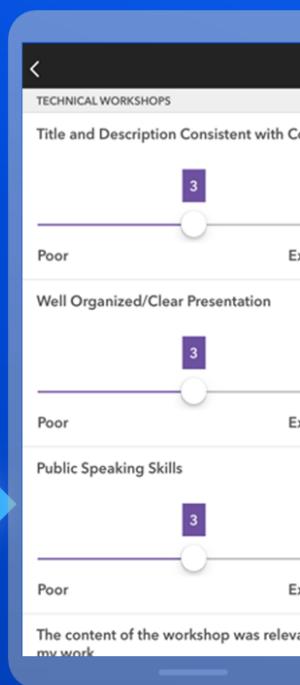
Scroll down to "Survey"



Log in to access the survey



Complete the survey and select "Submit"



# Questions?

<http://bit.ly/editinguc19>

<https://developers.arcgis.com/javascript/>

# Thank You!

