Alternative ways to display layer information using the ESRI Web Framework

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ACKNOWLEDGMENT

- The ESRI Dynamic Info Window was developed by the Advanced Application team at the National Wetlands Research Center while working with the Coastal Protection and Restoration Authority.
Problem

• The Feature Layers used by the ArcGIS API is extremely useful in showing data on a web map application.
• The attribute inspector is one way to view the attributes to the Feature Layers.
• Needed a way to have a dynamic info window that would have the same interaction as the attribute inspector.
Solution

• The Advanced Application team came up with a floating div that would be customizable and work like the attribute inspector.
  - Display the attributes of an event click on a Feature Layer
  - Anchor the div to the point on the map that was clicked
• Have the dynamic info window also move along with the map to keep itself in the correct spatial reference
Implementation

- The map contains a single layer which can be queried.
  - A Feature Layer ("esri/layers/FeatureLayer")
  - Used to query.
- Use the .on for click events on the Feature layer that is added.
Using the Dynamic Info Window

- Have the bubble.js code added to the application.
  - When the click event is fired it sends the event to the getBubble() function.
    - For this example, this application does StatesLayer.on("click", function(evt){ getBubble(evt); });
Displaying information

- When the event is passed to the javascript file (bubble.js) a floating div is used to display the information.
  - This example uses Jquery UI tabs to display the information that we want to show users.
Results

• The dataset that you choose to display will be visible in the floating dynamic div.
• A user can move the map and have the floating div be anchored to the location of the mouse click.
• For this example, general state information was displayed in the floating div
Example
The code is Open Source and will be available on the USGS Github account.

https://github.com/usgs