# Choosing the Right Web App Builder Widget

Web AppBuilder allows you to easily create applications by accessing workflow tabs including [Theme](http://server.arcgis.com/en/portal/latest/use/themes-tab.htm), [Map](http://server.arcgis.com/en/portal/latest/use/map-tab.htm), [Widget](http://server.arcgis.com/en/portal/latest/use/widgets-tab.htm), and [Attribute](http://server.arcgis.com/en/portal/latest/use/attributes-tab.htm).

Here are some considerations to keep in mind as you consider which widgets and theme to use:

* Purpose—The most important consideration is the purpose of your app. Embedded within this goal is your intended audience: Who is going to use your app and what are the key points that you want them to take away from the experience?
* Functionality—What is the critical functionality needed to support that goal?
* Aesthetic—How does the app’s layout and color scheme support your brand or message?

This document compares some of the widgets available through Web App Builder that have similar functionality.

## Editing

The [Edit](http://server.arcgis.com/en/portal/latest/use/widget-edit.htm) widget allows you to do basic editing.

* It has the following toolbar options: Merge, Cut, Reshape, and Enable Undo/Redo
* It has the following tolerance options:
  + **Set the snapping tolerance in pixels**—For geometry editing.
  + **Set the tolerance of attribute editing popup in pixels**—Enables users to easily open the attribute editing pop-up by clicking on the feature.
  + **Set the sticky move tolerance in pixels**—Prevents users from moving the features within a certain distance.
* Editing can be enabled on only certain layers in the map and geometry updates can be disabled if desired.
* Within the editable layers which fields are editable and which are displayed can be chosen.
* An optional filter for the templates is available so you can quickly find the edit template.

The [Smart Editor](http://server.arcgis.com/en/portal/latest/use/widget-smart-editor.htm) widget extends the Edit widget with the following features:

* Attribute editing is performed in the panel and not in the pop-up.
* The ability to hide, require, or disable a field based on the values of other fields.
* New features and changes to existing features are not pushed to the service until you click **Save**.
* The ability to view pop-ups from other data on the map while editing.
* The ability to preset field values across many fields on many layers and apply them to every new feature.
* The ability to edit a series of features.
* The option to move or modify existing geometry.
* Only changed attributes are submitted to the service instead of the entire record.
* Configurable descriptions are available on both the widget and for each layer.

The [Batch Attribute Editor](http://server.arcgis.com/en/portal/latest/use/widget-batch-attribute-editor.htm) widget is edits multiple features at once, while the Smart Editor and Edit widgets focus on editing one feature at a time.

* The following methods can be used to select features:
  + **Select by Area**—Select a shape and sketch it on the map.
  + **Select by Feature**—Select a polygon feature and update all within the area.
  + **Select by Feature & Related Features**—Select a feature and update all related features.
* One or multiple layers can be updated, if multiple layers only common fields can be updated.

## Filtering

The [Filter](http://server.arcgis.com/en/portal/latest/use/widget-filter.htm) widget allows you to limit the visibility of features in a layer. Only the features that meet the expression criteria will be visible in the map.

* Option to remove preset layer filters from the map.
* Ability to add one or multiple filters. Each filter points to one layer.
  + Within a filter can add one or multiple filter expressions.
  + Can give user a dropdown list to choose from when using the widget by creating an expression based unique values and clicking the box next to **Ask for values**.

The [Group Filter](http://server.arcgis.com/en/portal/latest/use/widget-group-filter.htm) widget allows you to apply a filter to multiple layers at once.

* Option to append filter to existing web map filter using or or and.
* Ability to add one or multiple filter groups. Each filter group points to one or multiple layers.
  + Can enter a preset value so the filter automatically runs, have a blank box for the user to enter a value or have a dropdown of values for the user to choose from.

The [Query](http://server.arcgis.com/en/portal/latest/use/widget-query.htm) widget does not filter the source layer but instead creates a new layer based on the filter criteria.

* Can use spatial filters in addition to attribute filters like the Filter widget has.
* Displays features that meet filter criteria in a list in the widget.