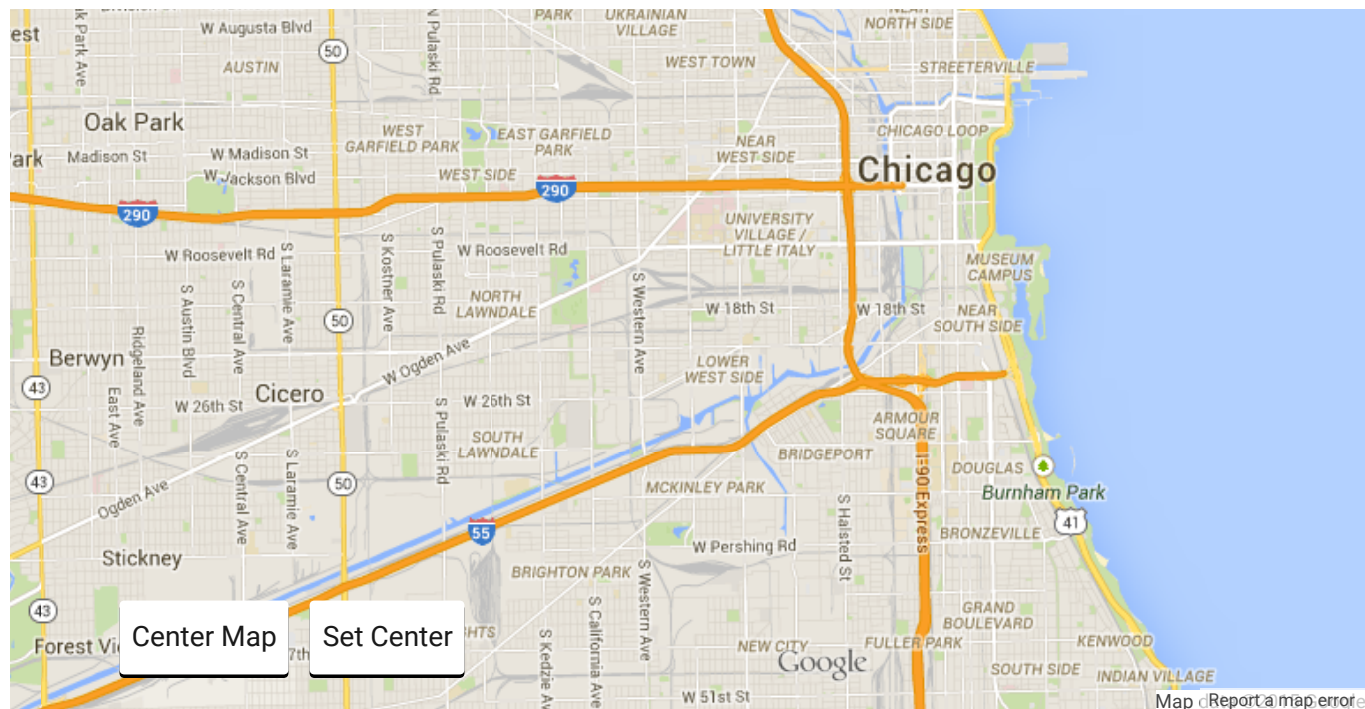


Adding state to controls



View this example [full screen](#).

JavaScript

JavaScript + HTML

```
var map;
var chicago = new google.maps.LatLng(41.85, -87.65);

/**
 * The CenterControl adds a control to the map that recenters the map
 * on Chicago.
 * @constructor
 */

// Define a property to hold the center state
CenterControl.prototype.center_ = null;

// Define setters and getters for this property
CenterControl.prototype.getCenter = function() {
  return this.center_;
}

CenterControl.prototype.setCenter = function(center) {
  this.center_ = center;
}
```

```
/** @constructor */
function CenterControl(controlDiv, map, center) {

    // We set up a variable for this since we're adding event listeners later.

    var control = this;

    // Set the center property upon construction
    control.center_ = center;
    controlDiv.style.clear = 'both';

    // Set CSS for the control border
    var goCenterUI = document.createElement('div');
    goCenterUI.style.backgroundColor = '#fff';
    goCenterUI.style.border = '2px solid #fff';
    goCenterUI.style.borderRadius = '3px';
    goCenterUI.style.boxShadow = '0 2px 6px rgba(0,0,0,.3)';
    goCenterUI.style.cursor = 'pointer';
    goCenterUI.style.float = 'left';
    goCenterUI.style.marginBottom = '22px';
    goCenterUI.style.textAlign = 'center';
    goCenterUI.title = 'Click to recenter the map';
    controlDiv.appendChild(goCenterUI);

    // Set CSS for the control interior
    var goCenterText = document.createElement('div');
    goCenterUI.style.color = 'rgb(25,25,25)';
    goCenterUI.style.fontFamily = 'Roboto,Arial,sans-serif';
    goCenterUI.style.fontSize = '16px';
    goCenterUI.style.lineHeight = '38px';
    goCenterUI.style.paddingLeft = '5px';
    goCenterUI.style.paddingRight = '5px';
    goCenterUI.innerHTML = 'Center Map';
    goCenterUI.appendChild(goCenterText);

    // Set CSS for the setCenter control border
    var setCenterUI = document.createElement('div');
    setCenterUI.style.backgroundColor = '#fff';
    setCenterUI.style.border = '2px solid #fff';
    setCenterUI.style.borderRadius = '3px';
    setCenterUI.style.boxShadow = '0 2px 6px rgba(0,0,0,.3)';
    setCenterUI.style.cursor = 'pointer';
    setCenterUI.style.float = 'left';
    setCenterUI.style.marginBottom = '22px';
    setCenterUI.style.marginLeft = '12px';
    setCenterUI.style.textAlign = 'center';
    setCenterUI.title = 'Click to change the center of the map';
    controlDiv.appendChild(setCenterUI);

    // Set CSS for the control interior
    var setCenterText = document.createElement('div');
    setCenterText.style.color = 'rgb(25,25,25)';
    setCenterText.style.fontFamily = 'Roboto,Arial,sans-serif';
    setCenterText.style.fontSize = '16px';
    setCenterText.style.lineHeight = '38px';
    setCenterText.style.paddingLeft = '5px';
    setCenterText.style.paddingRight = '5px';
```

```
setCenterText.innerHTML = 'Set Center';
setCenterUI.appendChild(setCenterText);

// Setup the click event listener for 'Center':
// simply set the map to the control's current center property.
google.maps.event.addDomListener(setCenterUI, 'click', function() {
    var currentCenter = control.getCenter();
    map.setCenter(currentCenter);
});

// Setup the click event listener for 'Set':
// Set the control's center to the current Map center.
google.maps.event.addDomListener(setCenterUI, 'click', function() {
    var newCenter = map.getCenter();
    control.setCenter(newCenter);
});
}

function initialize() {
    var mapDiv = document.getElementById('map-canvas');
    var mapOptions = {
        zoom: 12,
        center: chicago
    }
    map = new google.maps.Map(mapDiv, mapOptions);

    // Create the DIV to hold the control and
    // call the CenterControl() constructor passing
    // in this DIV.
    var centerControlDiv = document.createElement('div');
    var centerControl = new CenterControl(centerControlDiv, map, chicago);

    centerControlDiv.index = 1;
    map.controls[google.maps.ControlPosition.BOTTOM_LEFT].push(centerControlDiv);
}

google.maps.event.addDomListener(window, 'load', initialize);
```

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Last updated March 17, 2015.