**Creating Polygons using AngularJs**

**Requirements:**

* **Web browser (Google chrome recommended)**
* **Local server (visual studio, Brackets or etc)**

**Include below scripts to html**

<script src="https://code.angularjs.org/1.3.14/angular.js"></script>

<script src="//cdnjs.cloudflare.com/ajax/libs/lodash.js/2.4.1/lodash.js"></script>

<script src="http://rawgit.com/angular-ui/angular-google-maps/2.0.X/dist/angular-google-maps.js"></script>

**<script src="https://maps.googleapis.com/maps/api/js?key=AIzaSyAa6bwGgypTwnlpjGv5XFdP1Vamr2ow69k&callback=initMap"**

**type="text/javascript"></script>** this is for allowing Googlemaps Apios for our computer

**create one js file to write controller and include that into html.**

when you are creating angular app inject "uiGmapgoogle-maps" module to render full map in browser.

Use directive "ui-gmap-google-map"

<ui-gmap-google-map center="map.center" zoom="map.zoom" draggable="false">

center : making map position to center - allows coordinates longitude and latitude

Zoom: Zooming map allows number

draggable : to drag polygan

**Creating polygon "ui-gmap-polygon" :**

<ui-gmap-polygon ng-repeat="p in polygons track by p.id" path="p.path" stroke="p.stroke" visible="p.visible"

fill="p.fill" ></ui-gmap-polygon>

**Repeat this directive to create number of polygon**

**path: for polygon - allows coordinates longitude and latitude**

**stroke: stroke for polygon - allows number**

**visible : to make visible particular polygon**

**fill: fill color - allows color code**

**Setting marker "ui-gmap-marker" :**

<ui-gmap-marker ng-repeat="m in polygons track by m.id" coords="m.marker" idkey="m.id" draggable="false">

</ui-gmap-marker

Repeat this directive to set marker

coords: marking center position for polygon - allows coordinates longitude and latitude

idkey: unique id key

Keep HTML and JS files in one folder and run HTML file using local server.