Google Developers

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Products   Google Maps API   Google Maps JavaScript API v3

Place Autocomplete Address Form

Enter your address

Street address		
City		
State	Zip code	
Country		

View this example full screen.

JavaScript   JavaScript + HTML

```
// This example displays an address form, using the autocomplete feature
// of the Google Places API to help users fill in the information.

var placeSearch, autocomplete;
var componentForm = {
  street_number: 'short_name',
  route: 'long_name',
  locality: 'long_name',
  administrative_area_level_1: 'short_name',
  country: 'long_name',
  postal_code: 'short_name'
};

function initialize() {
  // Create the autocomplete object, restricting the search
  // to geographical location types.
  autocomplete = new google.maps.places.Autocomplete(
      /** @type {HTMLInputElement} */(document.getElementById('autocomplete')),
      { types: ['geocode'] });
  // When the user selects an address from the dropdown,
```

```javascript
    // populate the address fields in the form.
    google.maps.event.addListener(autocomplete, 'place_changed', function() {
      fillInAddress();
    });
  }

  function fillInAddress() {
    // Get the place details from the autocomplete object.
    var place = autocomplete.getPlace();

    for (var component in componentForm) {
      document.getElementById(component).value = '';
      document.getElementById(component).disabled = false;
    }

    // Get each component of the address from the place details
    // and fill the corresponding field on the form.
    for (var i = 0; i < place.address_components.length; i++) {
      var addressType = place.address_components[i].types[0];
      if (componentForm[addressType]) {
        var val = place.address_components[i][componentForm[addressType]];
        document.getElementById(addressType).value = val;
      }
    }
  }

  // Bias the autocomplete object to the user's geographical location,
  // as supplied by the browser's 'navigator.geolocation' object.
  function geolocate() {
    if (navigator.geolocation) {
      navigator.geolocation.getCurrentPosition(function(position) {
        var geolocation = new google.maps.LatLng(
            position.coords.latitude, position.coords.longitude);
        var circle = new google.maps.Circle({
          center: geolocation,
          radius: position.coords.accuracy
        });
        autocomplete.setBounds(circle.getBounds());
      });
    }
  }
```

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