Getting Directions with Google Maps

Paul D. Sheriff

BUSINESS/TECHNOLOGY CONSULTING
psheriff@pdsa.com www.pdsa.com

Module Goals

Work with direction service

Between two addresses

Between two points (lat/lng)

Text directions

Route alternatives

Avoiding highways

Directions Service

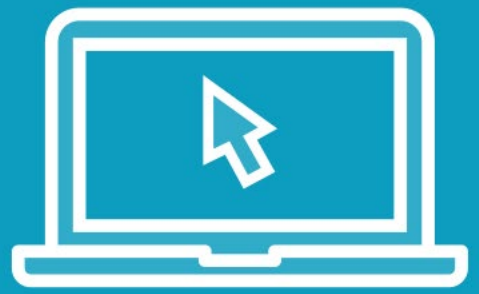
Two objects: DirectionsService and DirectionsRenderer

Call route(options, callback)

```
{
origin: "1 Cadillac Dr, Brentwood TN 37027",
destination: "117 Franklin Rd, Brentwood TN 37027",
travelMode: 'DRIVING'
}
```

```
function(response, status) {
  directionsRenderer.setDirections(response);
  directionsRenderer.setMap(map);
}
```

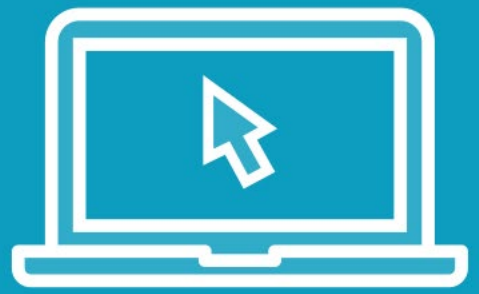
Demo



Add address input on map.html

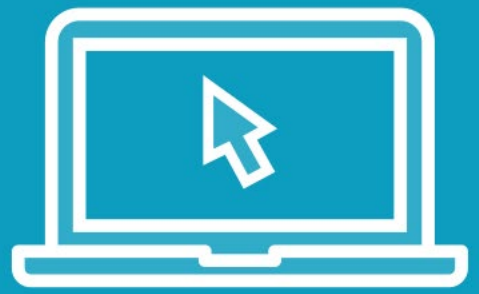
Render directions from address to the pie shop

Demo



Render directions on map by lat/lng

Demo



Add text directions to page

Route Options

transitOptions

Arrival, departure, modes[bus,rail,etc.], routingPreference[fewer transfers,less walking]

drivingOptions

departureTime, trafficModel[best guess, pessimistic, optimistic]

Route Options

unitSystem

[metric,imperial]

Waypoints[]

array of locations

Optimize Waypoints

Route Options

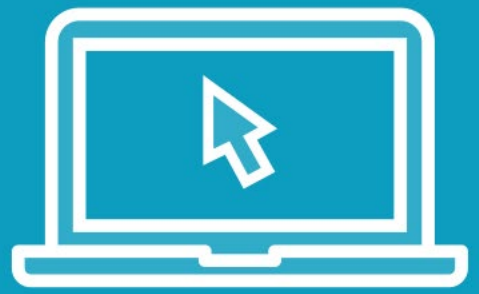
provideRoute Alternatives

avoidFerries

avoidHighways

avoidTolls

Demo



Add options

Module Summary

Rendering directions is easy

Add an area for text directions

Explore the various route options

Coming up next...

Geocoding with Google Maps

- Draw a delivery area
- Is address within delivery area?