**Theory: Google Maps API Integration**

**Using Google Maps API to Display Maps and Calculate Distances**

**The Google Maps API is a powerful service that provides developers with tools to integrate location-based services in their applications. It includes features like displaying maps, adding markers, calculating distances, and more.**

* **Google Maps JavaScript API allows you to embed interactive maps in your web pages.**
* **Google Maps Geocoding API helps convert addresses into geographic coordinates (latitude and longitude) and vice versa.**
* **Google Maps Distance Matrix API helps you calculate the travel distance and time between locations.**