

# Where am I?

## Location Awareness Application -

Geolocation is process of finding the actual physical location of a user of an object like mobile phone or PC connected to the Internet.



## Geolocation Methods

1. `getCurrentPosition` : This get the current location of the user
2. `watchPosition` : This used to get the position of a user over a period of time as the location changes. The success callback function will be called anytime the location changes.
3. `clearWatch` : this is used to stop the `watchPosition()` method. The `watchPosition` method returns an ID for every location information retrieved, that ID is called as a parameter in the `clearWatch()` to stop or clear the watch.

## Location Awareness Technologies

1 - MaxMind : Every computer on a network has a number that identifies it: its IP address. The Internet is nothing but a massive network, and your IP number is assigned to you by the service provider that you have used to connect to that network. Because the numbers that service providers assign change from one geographical location to the next (much like telephone numbers), you can make quite a good estimate of where your visitors are from.

2 -HTML5 Geolocation API:

With HTML5 geolocation, it is good practice to check the current browser/platform the user is opening the webpage on. If the browser does not support geolocation, a popup message will display informing the user that the browser does not support HTML5 location awareness. Geolocation API is device agnostic, it real don't care how the device retrieves the location information, it could use the information from 3G triangulation, GPS, the IP tracking or prompting the user to enter estimated location details.

Field Name	Value
IP Address	149.170.253.100
Country	United Kingdom
City & Region	Crewe, England
Latitude & Longitude (City)	53.09787, -2.44161
ZIP Code	CW1 2EZ
ISP	Manchester Metropolitan University
Domain	mmu.ac.uk
Time Zone	+00:00
Net Speed	COMP
IDD Code & Area Code	+44) 01270
Weather Station	Crewe (UKXX0228)
MCC, MNC & Carrier Name	-
Elevation	59

Start Tracking

Stop Tracking

Your current location coordinates are :  
Longitude = -2.2390512  
Latitude = 53.4709588  
Altitude = null  
Accuracy = 71  
Accuracy Altitude = null  
Direction = null  
Speed = null  
Timestamp = 1486058952972  
We collected location information at 06:09:12 PM

# Welcome to a tour of our new features

## IRM Requirement Spec Implementation-

## Introducing Objective 3:

# Google Geolocation API



## Information retrieved

Timestamp  
Coordinates (coords)  
Latitude  
Longitude  
Altitude  
Accuracy  
Altitude Accuracy  
Heading  
Speed

## Importance Geolocation API Functions

- ✓ Point of interest
- ✓ Display turn by turn navigation
- ✓ Display journey information like for example distance covered and long is left to get to a destination.
- ✓ Suggests the near by attraction or refreshment
- ✓ Keeping track of physical activity
- ✓ Set reminders based on your current location
- ✓ Identify/locate other users with same interest
- ✓ Personalize web pages with local time, weather forecast, languages based on user location, local advertisements and promotions (jobs, movies, services and goods).
- ✓ Taxis driver uses it to track passengers current location and public transportation webpages can use it to display current location of buses, trams and trains