YALOVA UNIVERSITY

HUAWEI

Android Programming with Huawei Mobile Services

Yunus OZEN
Muhammed Salih KARAKASLI
Cenk Faruk CAVGA
Sezer Yavuzer BOZKIR

WHAT WE DO TODAY

Overview of Location Kit

- What is Location Kit?
- Usage Areas & Common Features
- Integrate Sample Application

Overview of Map Kit

-
- What is Map Kit?
- Usage Areas & Common Features
- Integrate Sample Application

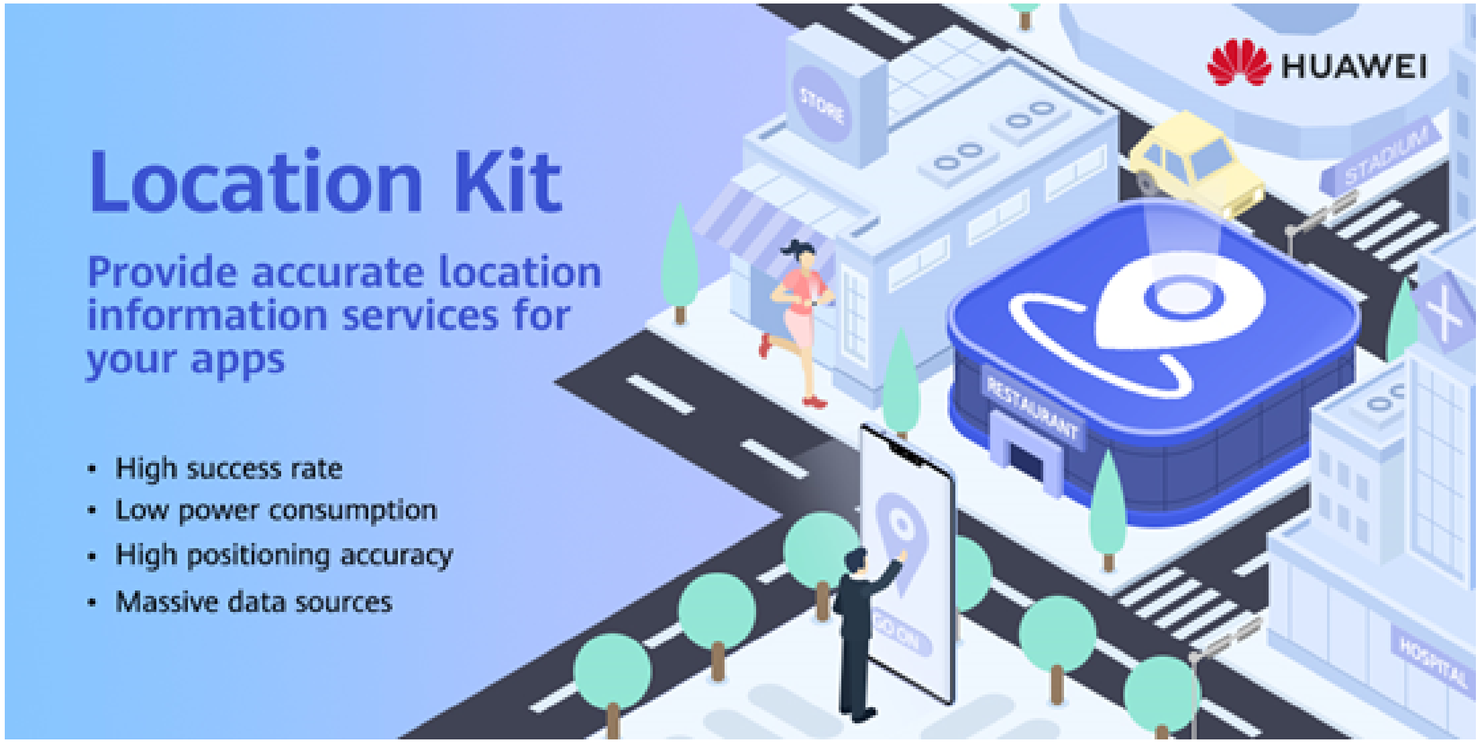
HMS Core Integration

- How to create project using with HMS Core
- HMS Core Integration

Overview of Location Kit

What is Location Kit?

HUAWEI Location Kit combines GNSS, Wi-Fi, and base station location data to allow you to quickly obtain precise user locations, giving you a global positioning capability and helping you deliver services to a global audience.



Provides accurate location information services

The hybrid locating mode of "GPS + WiFi + Bluetooth + Base Station" provides an easy-to-use locating interface for app developers, helping developers obtain user location quickly and accurately.

Code Samples

```
// Object
private FusedLocationProviderClient fusedLocationProviderClient =
    LocationServices.getFusedLocationProviderClient(this);
// Request
private LocationRequest locationRequest;
// Callback
LocationCallback mLocationCallback = new LocationCallback() {
    @Override
    public void onLocationResult(LocationResult locationResult) {
        Log.i(TAG, "requestLocationUpdatesWithCallback callback onLocationResult print");
    }
    @Override
    public void onLocationAvailability(LocationAvailability locationAvailability) {
        Log.i(TAG, "requestLocationUpdatesWithCallback callback onLocationAvailability print");
    }
};
```

```
fusedLocationProviderClient
    .requestLocationUpdates(locationRequest, mLocationCallback, Looper.getMainLooper())
    .addOnSuccessListener(new OnSuccessListener<Void>() {
        @Override
        public void onSuccess(Void aVoid) {
            LocationLog.i(TAG, "requestLocationUpdatesWithCallback onSuccess");
        }
    })
    .addOnFailureListener(new OnFailureListener() {
        @Override
        public void onFailure(Exception e) {
            LocationLog.i(TAG, "requestLocationUpdatesWithCallback onFailure:" + e.getMessage());
        }
    });
```

Location Kit

Usefull Links

Homepage

https://developer.huawei.com/consumer/en/hms/huawei-locationkit

Development Guide

https://developer.huawei.com/consumer/en/doc/development/HMSCore-Guides/config-agc-0000001050183128

Sample Code

https://developer.huawei.com/consumer/en/doc/development/HMSCore-Examples/android-sample-code-0000001050986087

Codelab:

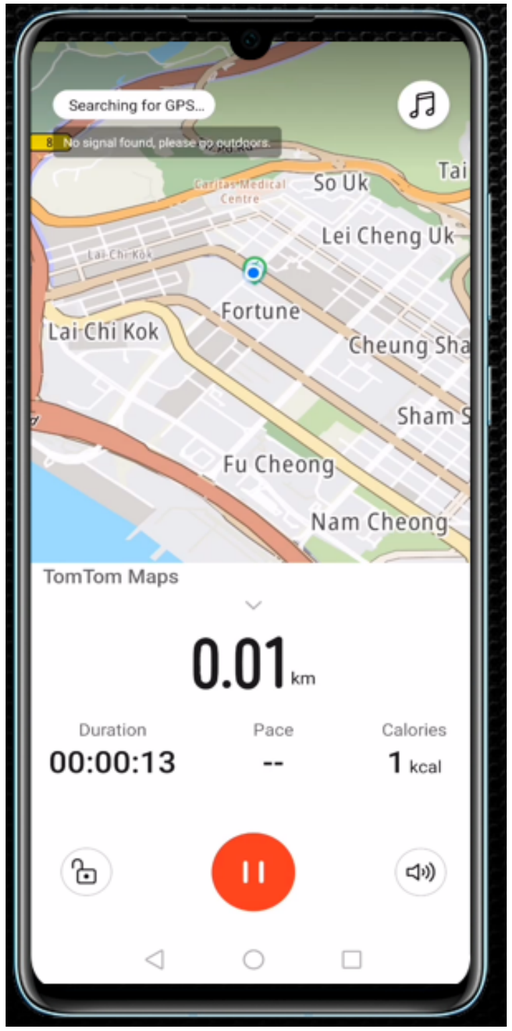
https://developer.huawei.com/consumer/en/codelab/HMSLocationKit/index.html#0

Overview of Map Kit

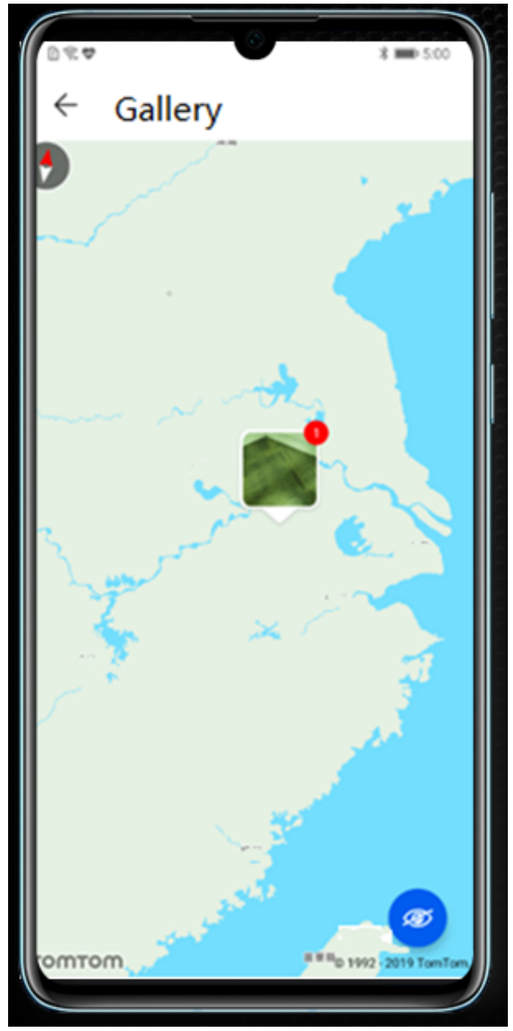
What is Map Kit?

Personalizing how your map displays and interacts with your users tailors their experience to them, not the other way around. Make location-based services work better for you so your app works better for your users.

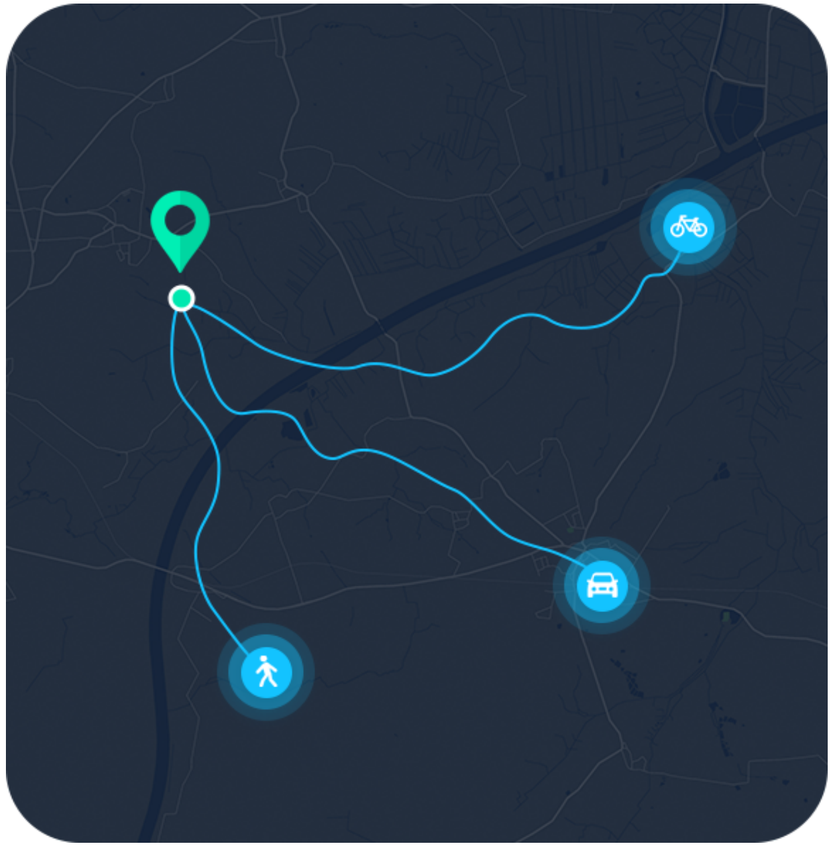
OPEN CAPABILITIES FOR DEVELOPERS



- Display maps
- Geographic coverage, roads, water systems, and interests
- Draw the location mark, circle, line & polygon
- Control the interaction gestures and buttons
- Search for POI in the nearby or designated area



Map Functions



Map display

Provides standard maps as well as UI elements such as markers, shapes, and layers for you to customize maps that better meet service scenarios.

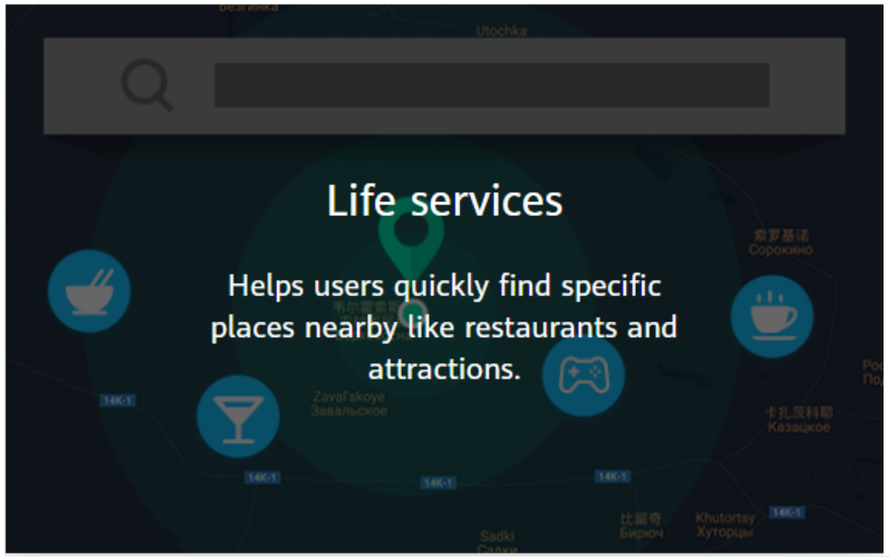
Map interaction

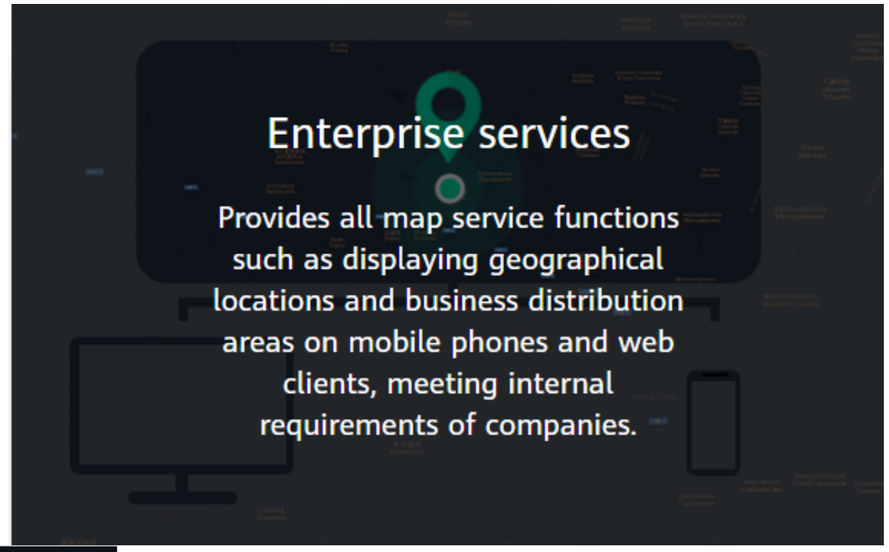
Enables users to interact with a map in your app through gestures and buttons in different scenarios.

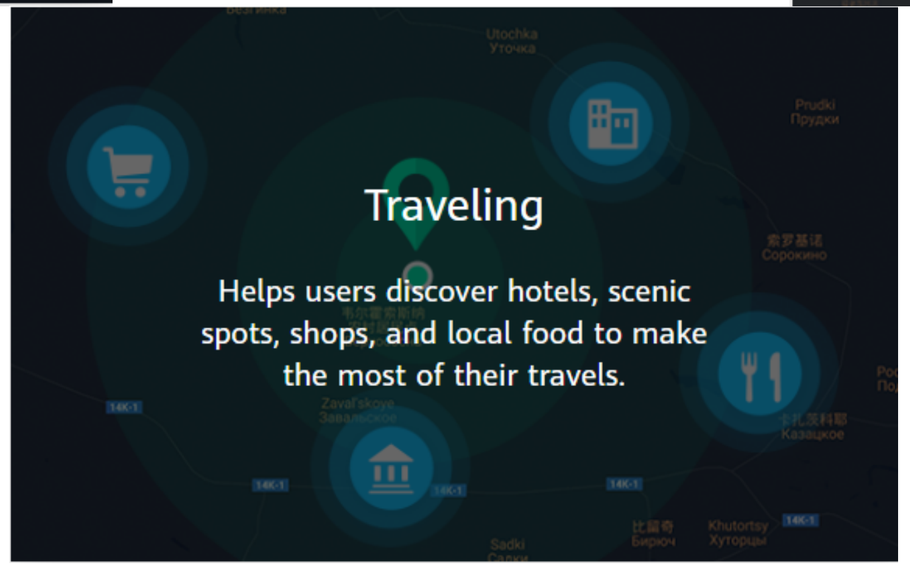
Route planning

Supports driving, cycling, walking, and other traveling modes, covering multiple countries and regions around the world.

Service Scenarios







Map Kit

Usefull Links

Homepage

https://developer.huawei.com/consumer/en/hms/huawei-MapKit

Development Guide

https://developer.huawei.com/consumer/en/doc/development/HMSCore-Guides/android-sdk-config-agc-0000001050158641

Sample Code

https://developer.huawei.com/consumer/en/doc/development/HMSCore-Examples/sample-code-0000001050162104

Codelab:

https://developer.huawei.com/consumer/en/codelab/HMSMapKit/index.html#0

HMS Core Integration

HMS Core Integration

1. App Creation
2. Integrate HMS Core into App
3. Installing the application in the AGC environment

Online Guide for HMS Core Integration

https://developer.huawei.com/consumer/en/codelab/HMSPreparation/index.html#0

Map Kit and Location Kit Sample Application

LET'S TALK
CONTACT INFORMATİON

Muhammed Salih KARAKASLI
muhammed.salih.karakasli@huawei.com

Cenk Faruk CAVGA
cenk.faruk.cavga@huawei.com

Sezer Yavuzer BOZKIR
sezer.bozkir1@huawei.com

Telegram Channel
will be created

Official Website
https://developer.huawei.com