Trimaps SDK

Java/Android Integration Guide

Introduction

This document describes how to integrate the Trimaps SDK library to your Android or Java application though the Java/Android API.

Trimaps SDK allows application developers to draw a user's location on a custom map image, based on latitude/longitude coordinates provided by the device's GPS.

Before you start, make sure you have downloaded the Trimaps Java/Android API ((trimaps-sdk-java-0.5.jar) from trimaps.com and that you have generated the Trimaps Localizer File (.tlf) for your project map.

Integration of the SDK

1. **Make the trimaps-sdk-java-0.5.jar file available in the project's classpath.**

2. **Invoking Trimaps SDK**

    Invoking the SDK is straightforward from your Java code :

    - import the classes `Trimaps` and `TrimapsFactory` in your class that will integrate with the Trimaps SDK Library.

    ```java
    import com.tribab.trimaps.library.Trimaps;
    import com.tribab.trimaps.librart.java.TrimapsFactory;
    ```

    - create and init the `Trimaps` object

    ```java
    /*
     * creates and init the Trimaps Object
     * A TrimapsParsingException is thrown if the map can not be loaded
     */
    Trimaps myMap=TrimapsFactory.getInstance(/*Content of the project tlf file (UTF8) */);
    ```

    - call the method `getPosition(double lat, double lon)` to retrieve the (x,y) location of a point on your custom map based on a GPS provided (latitude, longitude).

    ```java
    /*
     * from a latitude and longitude, returns the coordinates of the point on the map.
     */
    public int[] getPosition(double latitude, double longitude);
    ```

    The returned array contains the (x,y) coordinates at zoom level 1 (with respect to the original image size loaded on trimaps.com).

Advanced features

- Handling several maps

Some customers express the need to handle several maps in their application. This can simply be achieved by instantiating several `Trimaps` object by calling getInstance on TrimapsFactory with the relevant Trimaps Localizer File content.

Did you know ?

Beside Trimaps SDK for Java/Android, did you know that Trimaps offers additional services?

- **Trimaps SDK** for iOS & Javascript
- HTML **Map Viewer**
- **Trimaps EASY** to quickly publish any map image online
- Trimaps offers additional services for all your map related projects.

    Do not hesitate to contact us for more info about those services: info@trimaps.com

Support & more info

Trimaps service support can be reached through trimaps.com, or at support@trimaps.com

http://www.trimaps.com