

Android SDK

Manual includes the integration of SDK using eclipse and android studio.

Android Studio User:

Step 1: Extract the zip file and use .aar file for integration

Step 2: Import .aar file into your workspace and add the dependency to your application

Step 3: Follow the below code structure for integration

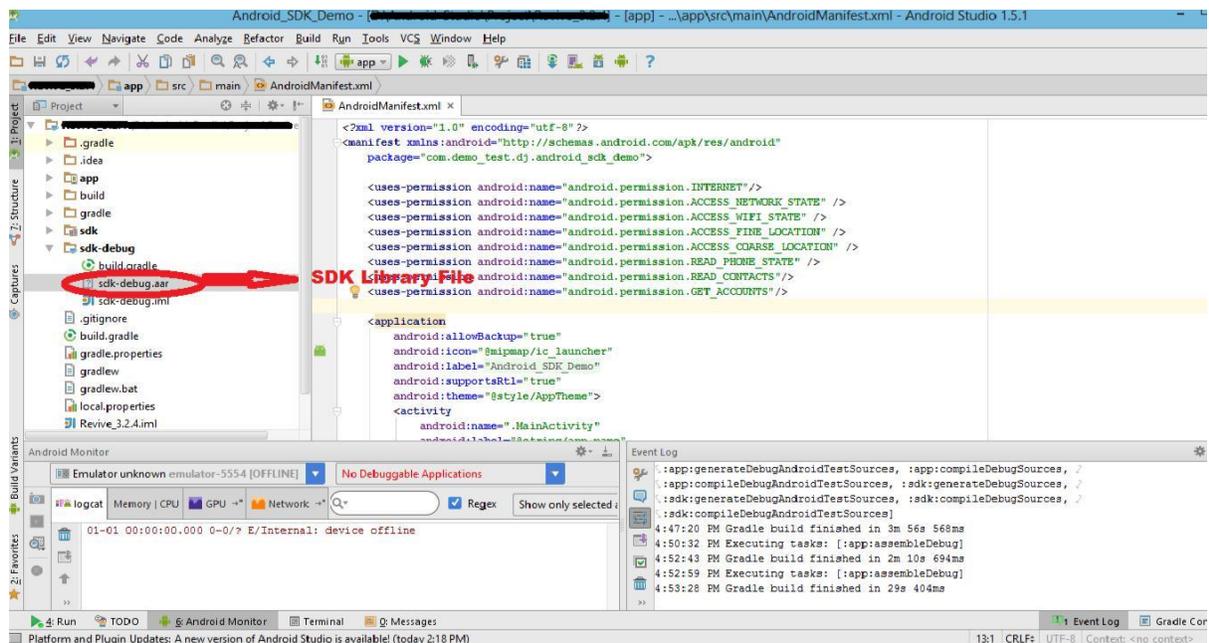


Fig: Android Studio With Library File

Eclipse User:

Step 1: Extract the zip file and use dJAX_Lib library file for integration

Step 2: Import dJAX_Lib library file into your workspace and use this library file for your application

Step 3: Follow the below code structure for integration

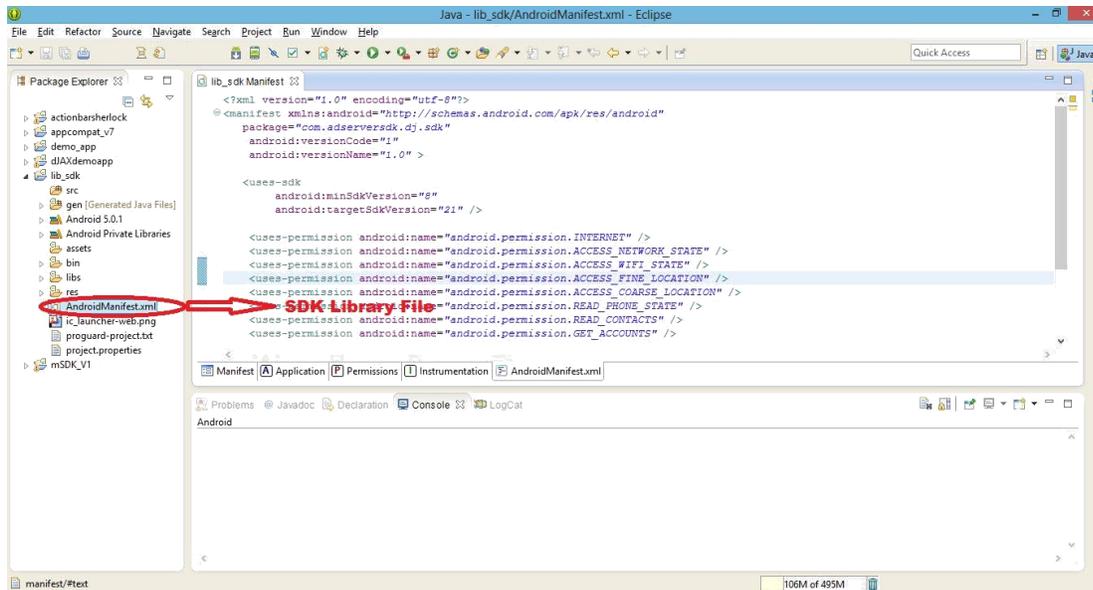


Fig: EclipseWith Library File

Code Structure:

Edit App Permissions

Edit your Android manifest to include the permissions needed by this app:

```
<uses-permission android:name="android.permission.INTERNET"/> <uses-permission
android:name="android.permission.ACCESS_NETWORK_STATE"/> <uses-permission
android:name="android.permission.ACCESS_WIFI_STATE" /> <uses-permission
android:name="android.permission.WRITE_EXTERNAL_STORAGE"/> <uses-permission
android:name="android.permission.ACCESS_FINE_LOCATION" /> <uses-permission
android:name="android.permission.ACCESS_COARSE_LOCATION" /> <uses-permission
android:name="android.permission.READ_PHONE_STATE" /> <uses-permission
android:name="android.permission.READ_CONTACTS"/> <uses-permission
android:name="android.permission.GET_ACCOUNTS"/>
<uses-permission android:name="android.permission.WAKE_LOCK"/>
```

- **INTERNET** (required) - Grants the SDK permission to access the internet.
- **ACCESS_NETWORK_STATE** (required) - Grants the SDK permission to check for a live internet connection.
- **ACCESS_WIFI_STATE** (required) - Grants the SDK permission to access information about Wi-Fi networks.
- **ACCESS_FINE_LOCATION** (Optional) - Grants the SDK permission to access a more accurate location based on GPS.
- **ACCESS_COARSE_LOCATION** (Optional) - Grants the SDK permission to access approximate location based on cell tower.
- **READ_PHONE_STATE** (Optional) - Grants the SDK permission to read only access to phone state.
- **READ_CONTACTS** (Optional) - Grants the SDK permission to read the user's contacts data.
- **GET_ACCOUNTS** (Optional) - Grants the SDK permission to the list of accounts in the Accounts Service.
- **WAKE_LOCK** (required) - Grants the SDK permission to keep processor from sleeping or screen from dimming.

Location permissions can help monetization

Although not technically required, the *LOCATION permissions make it possible for the SDK to send location-based data to advertisers. Sending better location data generally leads to better monetization. Please note that the SDK will never wake up the phone to request the location to be updated; this would take time and battery. Instead, it will use these permissions to access the last known location of the device.

Show Ads

This section describes some of the code you'll write in order to show ads.

This document refers to something called a "zone ID". A zone ID is just a numeric ID used by MSDK to identify a context within an app where advertisements can be shown. You'll need to obtain a zone ID from your MSDK representative or your ad network. Without it, you won't be able to fetch and display ads.

Banners

You can configure your banner ad view using Java, XML, or a mixture of the two.

The table below lists the XML and Java equivalents.

XML	Java Equivalent	Description	Example
msdk:zone_id	<code>ad.setZoneid()</code>	The zone ID associated with your app's inventory. You must include a zone ID or an error will be thrown.	"436"
msdk:auto_refresh_time	<code>ad.setAutoRefreshTime()</code>	The interval, in milliseconds, at which the AdView will request new ads, if autorefresh is enabled. The minimum period is 15 seconds. The default period is 30 seconds. Set this to 0 to disable autorefresh.	"30000"

If you're using XML, you'll need to add the `xmlns:msdk` namespace attribute describing your application to your layout tag; for example this might be a RelativeLayout, LinearLayout, or FrameLayout and ScrollView.

`xmlns:msdk="http://schemas.android.com/apk/res-auto"`

Sample code :

Code Format:

```
AdView ad = new AdView(this);
```

```
/*Place Your Zone id*/
```

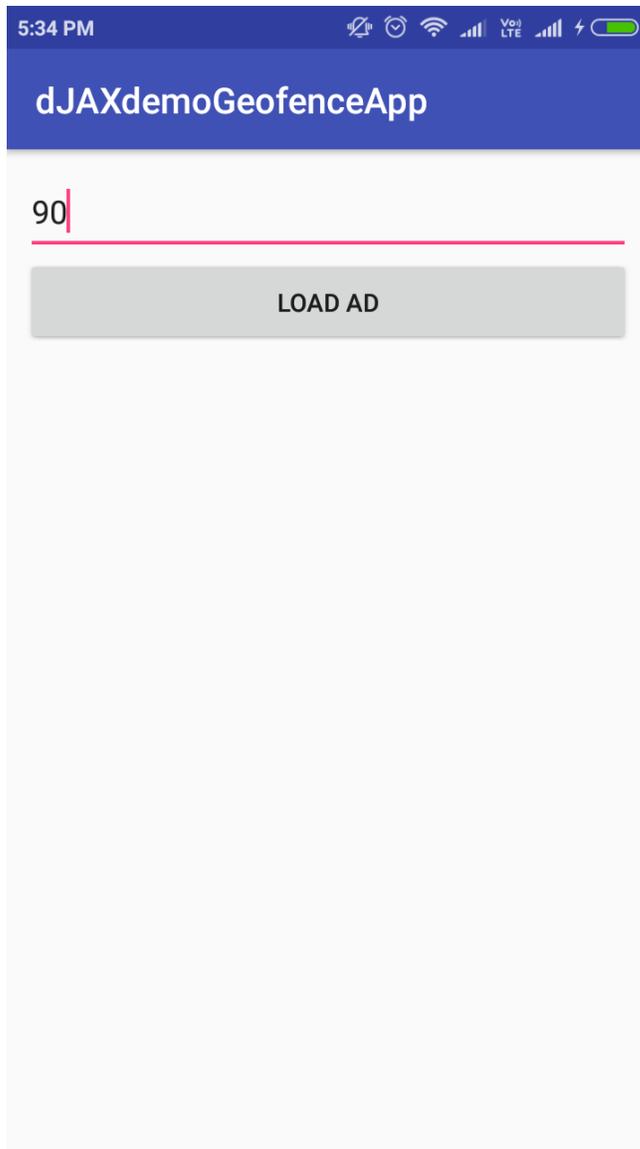
```
ad.setZoneid("436");
```

```
/*Loads an Ad*/
```

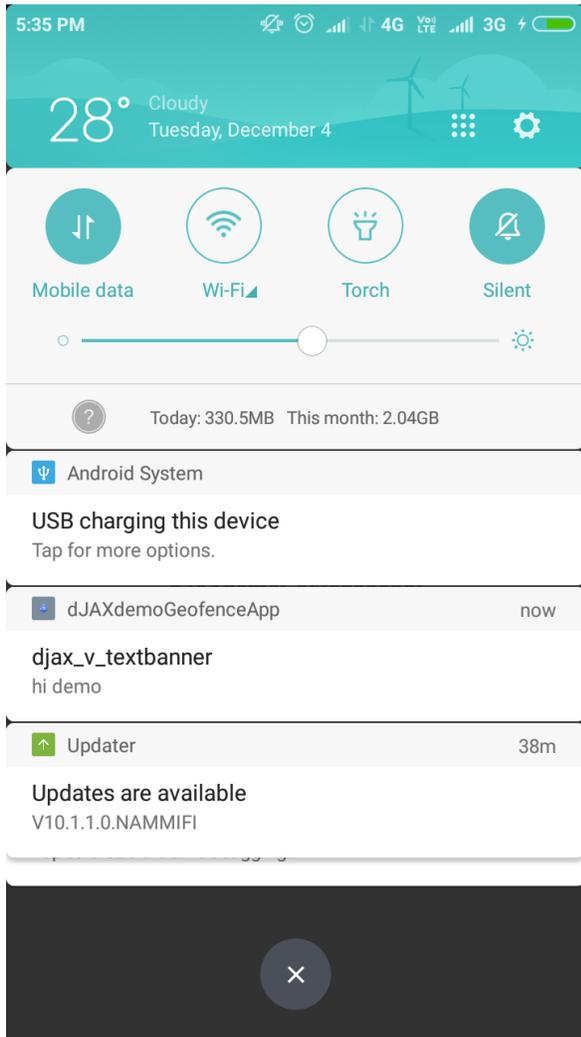
```
ad.LoadAd();
```

dJAXdemoapp Procedure:

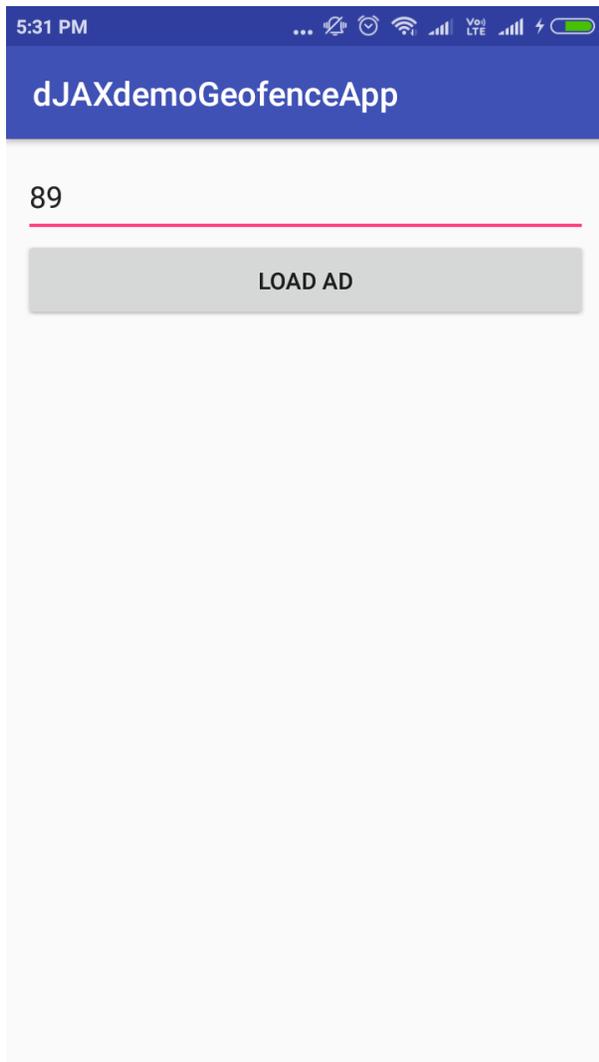
1. Enter the zone id then click load ad button.



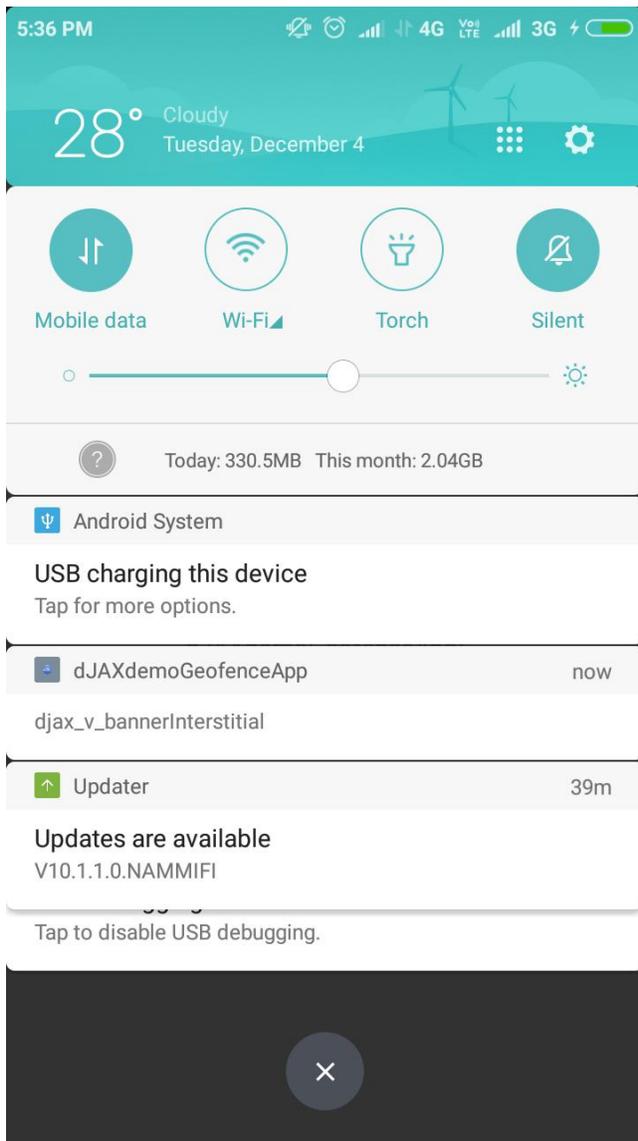
2. The requested text banner notification as shown below.



3. Enter the zone id for interstitial ad.



4. The requested Interstitial notification as shown below.



5. You can view the Interstitial ad as shown below.

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