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Mapbox example android

Nowadays, many apps have a location feature. You use it all the time, whether you order food delivery, book a taxi, or even do laundry. Have you ever thought about building a location program of your own? You might think it's too complicated or could take too much time to build something close to some of the impressive apps with location features built for Android. Well, no more! Thanks to the Mapbox SDK, you can build a cool Android app with location features. That's exactly what you'll do in this tutorial. Using the Mapbox Android SDK, you will build an app using Mapbox Navigation named Where2Go. In this tutorial, you'll learn how to: Add the Mapbox Library to project. Displays the user's current location on the map. Add and navigate a tag on the map by turning from the current location to the point where the tag is on the map. If you want to learn a little more about Mapbox, you can read more about it on the official website. At the beginning before learning about Mapbox, you must download the starter and final projects using the Download Material link at the top or bottom of this tutorial. Run Android Studio 3.3 or later, select the Open an existing Android Studio project option, and then navigate to and select the starter project folder. Once Gradle build loading is complete, you can build and run the app to see what you have within the starter project. The first thing you'll see after running the app is a blank screen and a floating action button. Not to move. But in a little bit, when you implement the navigation using Mapbox, you'll be able to navigate anywhere you want! :] Register for an account with Mapbox The first thing you need to do before using Mapbox SDK is to register for an account. Then, once you register successfully, you get an access token. This token is the key you need to be able to use the Mapbox SDK. Once you arrive at the Mapbox website, click the Sign In button as pointed out by the red arrow. You'll be directed to another page that has a sign-up form. You must sign up for Mapbox as shown in the red box. Now you need to fill out the sign-up form and click Start. Don't worry, the registration is free. You can use Mapbox SDK to build a small application. Once your app becomes popular, they'll start charging you. :] Adding the Mapbox Dependency First, open the build.gradle (Module:app) file and add compilers within Android: compilers { source compatibility JavaVersion.VERSION_1_8 targetCompatibility JavaVersion.VERSION_1_8 } Second, add the Mapbox and Google Play service location library dependencies within dependencies: implementation 'com.mapbox.mapboxsdk:mapbox-android-navigation-ui:0.26.2' "com.mapbox.mapboxsdk:mapbox-android-sdk:6.8.1" { excludes group: 'group_name', module: 'module_name' } 'com.google.android.gms:play-services-location:16.0.0' Finally, open the build.gradle (Project) file , and add following lines the allprojects right under the jcenter(). mavenCentral() maven { url ' } Click Sync now to synchronize the project, which allows you to use the Mapbox library. If you work with MapBox in this section, you'll learn how to get a MapBox access token, get the user's current location, and show their location on the map. To get a Mapbox Access token Once you have successfully registered for an account with Mapbox, click your profile picture and select Account. Inside the account page is where you'll create a brand new access token, or you can use the default public token, as you'll see in this tutorial. Configure CardBox to show the card, the account activity_main.xml card. First, you need to add xml:ns:mapbox inside RelativeLayout. xmlns:mapbox= Add that tag so you can access Mapbox properties. Next, add the following code to show the Mapbox card. <com.mapbox.mapboxsdk.maps.MapView android:id=@+id/mapbox android:layout_width=wrap_content android:layout_height=wrap_content mapbox:mapbox_styleurl=@string/mapbox_style_mapbox_streets></com.mapbox.mapboxsdk.maps.MapView> Mapbox has different StyleUrl properties, which you can use to change the overall map prevention. The one you'll use is to mapbox_style_mapbox_streets. This style is a simple styling of roads and transit networks. Now, open the AndroidManifest.xml file and add the following permissions. <uses-permission android:name=android.permission.ACCESS_FINE_LOCATION></uses-permission> <uses-permission android:name=android.permission.FOREGROUND_SERVICE></uses-permission> Add the android.permission.ACCESS_FINE_LOCATION so Mapbox SDK can track your location and show it on the map. As for android.permission.FOREGROUND_SERVICE, it's necessary when you want to start the turn by turning navigation. Next, open the MainActivity.kt file, add the following code before calling to the setContentView feature: Mapbox.getInstance(this, Your Mapbox access token) Bear in mind, you need to replace the string text with the actual Mapbox access token. Since you're using Kotlin Android extensions, you can easily look at views through their id properties defined in the XML. To initialize the map box view, adding this code under the setContentView line: mapbox.onCreate (savedInstanceState) Handling the Mapbox life laugh is really important, so add the following code under the onCreate function to complete the initialization and cleanup process: @SuppressWarnings(MissingPermission) override fun startup() { super.onStart() mapbox.onStart() } override all fun onResume() { super.onResume() mapbox.onResume() } override fun onPause() { super.onPause() mapbox.onPause() } override fun onStop() { super.onStop() mapbox.onStop() } } fun onDestroy() { super.onDestroy() mapbox.onDestroy(onDestroy) } } override fun onLowMemory() { super.onLowMemory() mapbox.onLowMemory() } override fun onSaveInstanceState(outState: Bundle?) { super.onSaveInstanceState(outState) if (outState != null) { {} } Mapbox has its own lifeline methods for running an Android OpenGL lifeline. You should call those methods directly from the containing activity. Note: You must @SuppressWarnings (MissingPermission) above and add the other methods,

