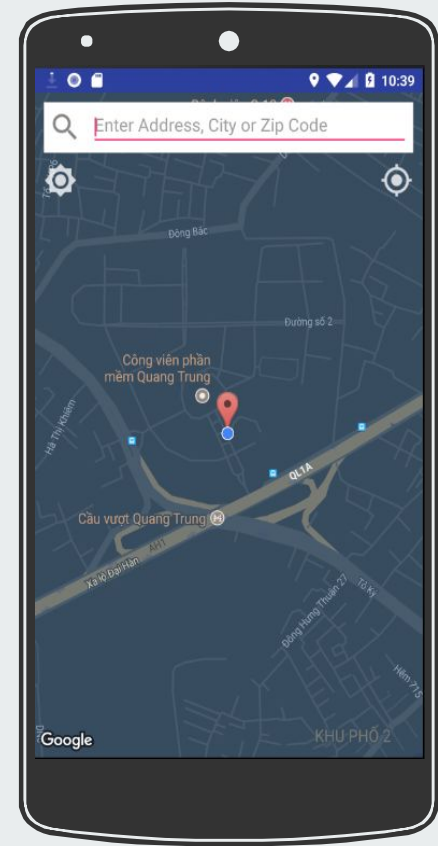


Location-based Services

Thai Ly Anh Khue



Agenda

1. Google API Key
2. Setting up Android Emulator
3. Demonstration

Google API Key



Use cases

- The API key allows you to monitor your application's API usage in the Google API Console
- Registering for an API key ensures that Google can contact you about your application if necessary



Pricing

→ Standard Plan

- ◆ Generous free daily quota,

→ Premium Plan

- ◆ Must use an API key or your client ID to access all the custom features and benefits

Register your application for Google Maps Android API in Google API Console

Google API Console allows you to manage your application and monitor API usage.

Select a project where your application will be registered

You can use one project to manage all of your applications, or you can create a different project for each application.

Location-Based Services Sample ▼

Continue

APIs & Services

 Dashboard

 Library

 Credentials

Credentials

Add credentials to your project

1 Find out what kind of credentials you need

We'll help you set up the correct credentials

If you wish you can skip this step and create an [API key](#), [client ID](#), or [service account](#)

Which API are you using?

Determines what kind of credentials you need.

Google Maps Android API

What credentials do I need?

2 Get your credentials

Cancel



Credentials

[Credentials](#)

[OAuth consent screen](#)

[Domain verification](#)

Create credentials ▾

Delete

Create credentials to access your enabled APIs. [Refer to the API documentation](#) for details.

API keys

<input type="checkbox"/> Name	Creation date ▾	Restrictions	Key
<input type="checkbox"/> Google Map API key	Feb 6, 2018	Android apps	AIzaSyBaKqWcx2fN1UaqbGYp2pbCYQTN1aHMmec

Setting up Android Emulator

Virtual Device Configuration



Select Hardware

Android Studio

Choose a device definition



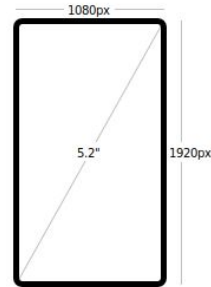
Category	Name	Play Store	Size	Resolution	Density
TV	Nexus 6P		5.7"	1440x...	560dpi
Wear	Nexus 6		5.96"	1440x...	560dpi
Phone	Nexus 5X		5.2"	1080x...	420dpi
Tablet	Nexus 5		4.95"	1080x...	xxhdpi
	Nexus 4		4.7"	768x1...	xhdpi
	Galaxy Nexus		4.65"	720x1...	xhdpi
	5.4" FWVGA		5.4"	480x854	mdpi

New Hardware Profile

Import Hardware Profiles



Nexus 5X



Size: large
Ratio: long
Density: 420dpi

Clone Device...

Previous

Next

Cancel

Finish

Help

Oreo



API Level

26

Android

8.0

Google Inc.

System Image

x86

We recommend these Google Play images because this device is compatible with Google Play.



-  Location
-  Cellular
-  Battery
-  Phone
-  Directional pad
-  Microphone
-  Fingerprint
-  Virtual sensors
-  Bug report
-  Google Play
-  Settings
-  Help

Google Play services version
11.9.75 (470-182402865)
UPDATE

Turn on Location with High-Accuracy

Demonstration
