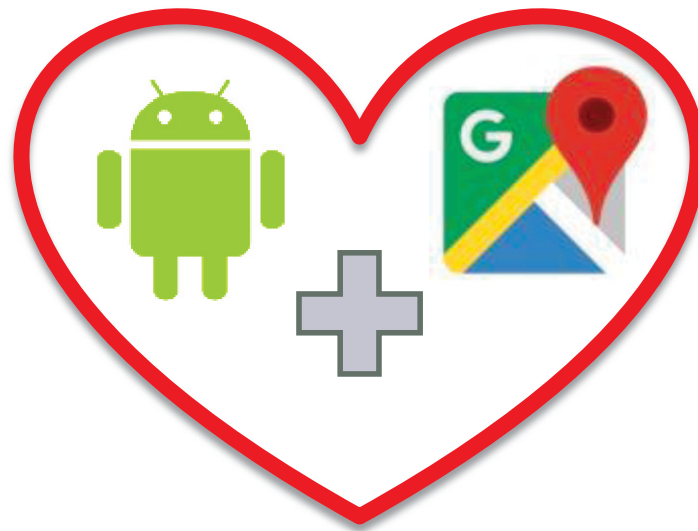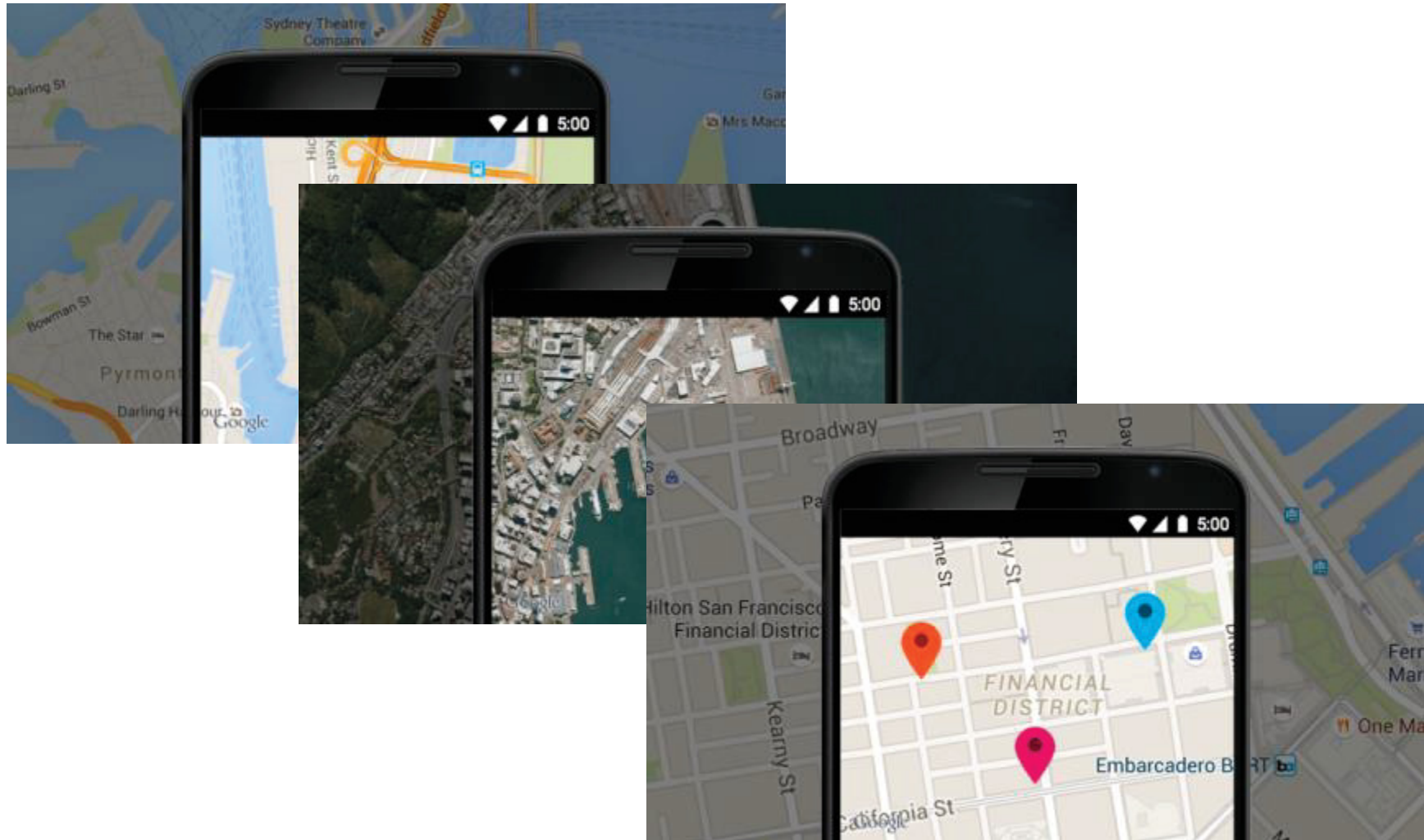# INTRODUCTION TO GOOGLE MAPS ANDROID API

How to use it, location permission, basic functions

What is Google Maps Android API?

What is necessary for apps to use it?

Google Play services

Google Inc. **Tools**

◇ **USK: All ages**

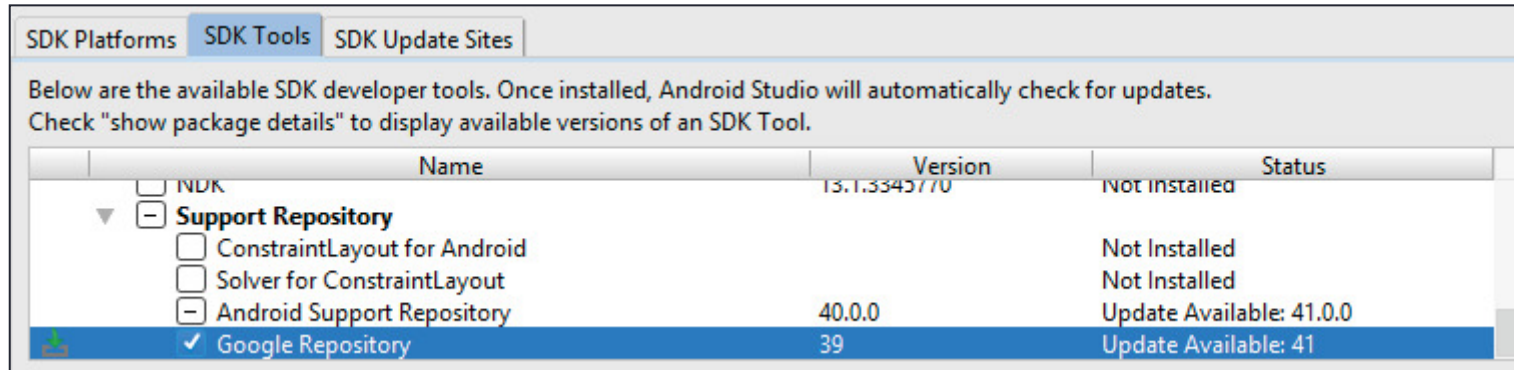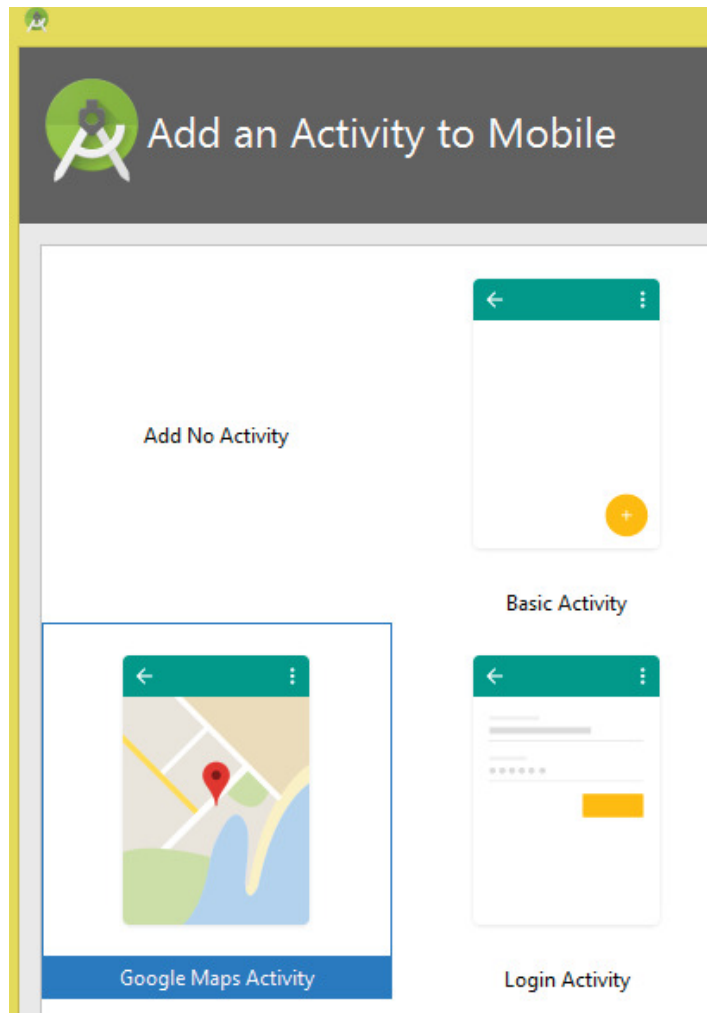ℹ This app is compatible with all of your devices.

Get Google Play services

This app won't run without Google Play services, which are missing from your phone.

Get Google Play services

How to use it?

Install the Google Play services SDK

	SDK Platforms	SDK Tools	SDK Update Sites

Below are the available SDK developer tools. Once installed, Android Studio will automatically check for updates.
Check "show package details" to display available versions of an SDK Tool.

Name	Version	Status
NDK	13.1.3345770	Not Installed
▼ ☐ **Support Repository**		
☐ ConstraintLayout for Android		Not Installed
☐ Solver for ConstraintLayout		Not Installed
☐ Android Support Repository	40.0.0	Update Available: 41.0.0
✓ Google Repository	39	Update Available: 41

How to use it?

Add an Activity to Mobile

Add No Activity

Basic Activity

Google Maps Activity

Login Activity

Install the Google Play services SDK

Create a Google Maps project

How to use it?

Quick guide to getting a key

Step 1. Get an API key from the Google API Console

Click the button below, which guides you through the process and activates the Google Maps Android API automatically.

GET A KEY

You're all set!

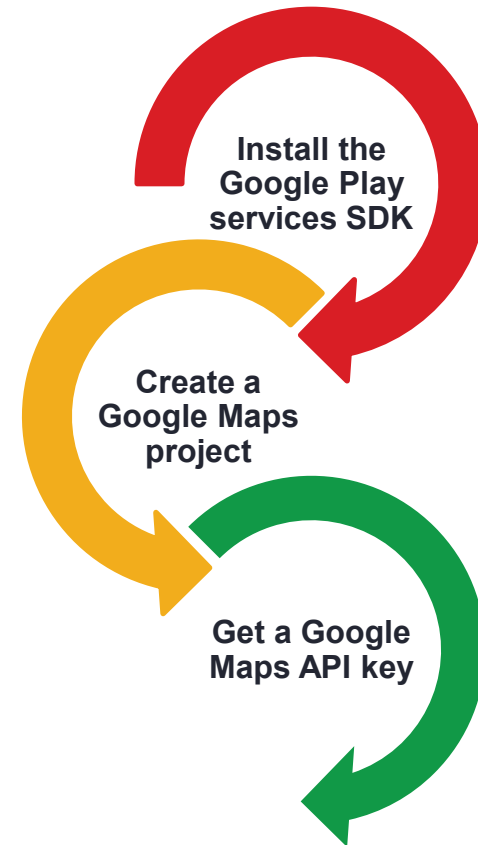You're ready to start developing with Google Maps Android API!

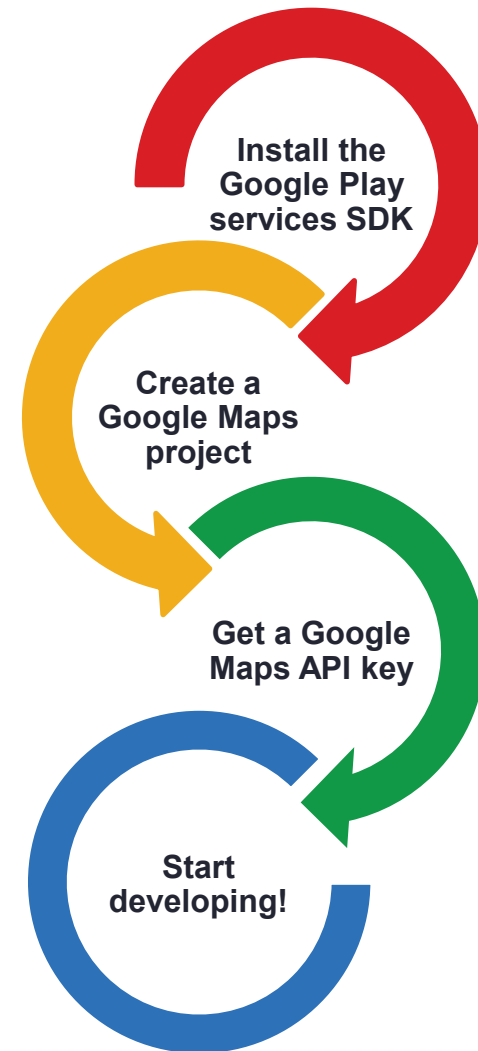YOUR API KEY

AIzaSyAaII5bCpMdOU9IO8GxVLKb3suZouPhwsc

AndroidManifest.xml

```xml
<meta-data
    android:name="com.google.android.geo.API_KEY"
    android:value="YOUR_API_KEY"/>
```

Install the Google Play services SDK

Create a Google Maps project

Get a Google Maps API key

How to use it?

Install the Google Play services SDK

Create a Google Maps project
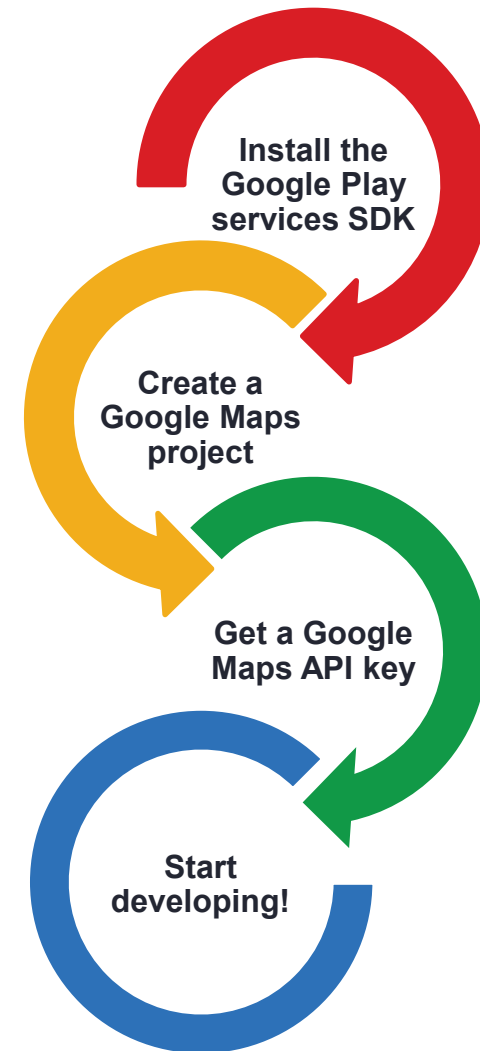
Get a Google Maps API key

Start developing!

Questions ???

Task

Set up a Google Maps project

- SDK Tools > Google Repository
- New Project > Google Maps Activity
- See e. g.
  developers.google.com/maps/
- documentation/android-api/start
  for an exact guide of how to receive a
  Google Maps API key

Questions ???

Sources

- Android Developers
  developer.android.com
- Google Maps APIs
  developers.google.com/maps/documentation/android-api/start