



ParkingHelpmate Installation Guide for Developers

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ParkingHelpmate is an open source android application to track the expiration of parking meter time by sending alerts and to navigate to the vehicle location from any current location.

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Below is the link to the file License:

<https://github.com/RenuAshwini/ParkingHelpmate/blob/master/License.txt>

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Repository: <https://github.com/RenuAshwini/ParkingHelpmate>

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Version: 1.0

Installation Steps:

1. Make sure that your computer meets the following system requirements:

- JDK 6 or JDK 7 (JRE alone is not sufficient)

Download link - <http://www.oracle.com/technetwork/java/javase/downloads/index.html>

- Android ADT bundle for Windows

Download link - <http://developer.android.com/sdk/index.html>

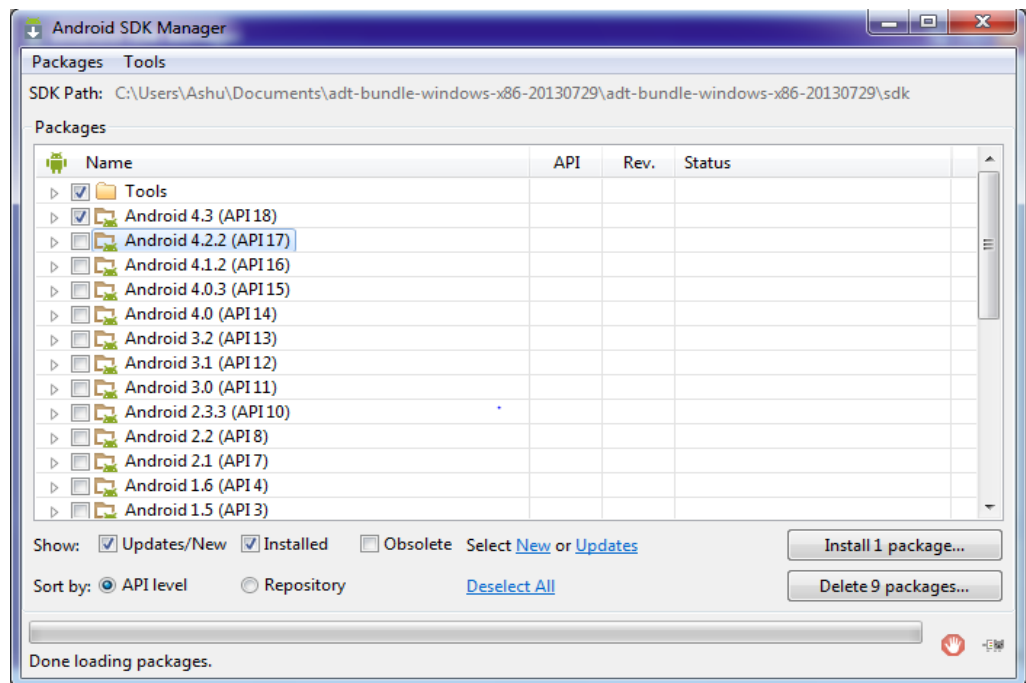
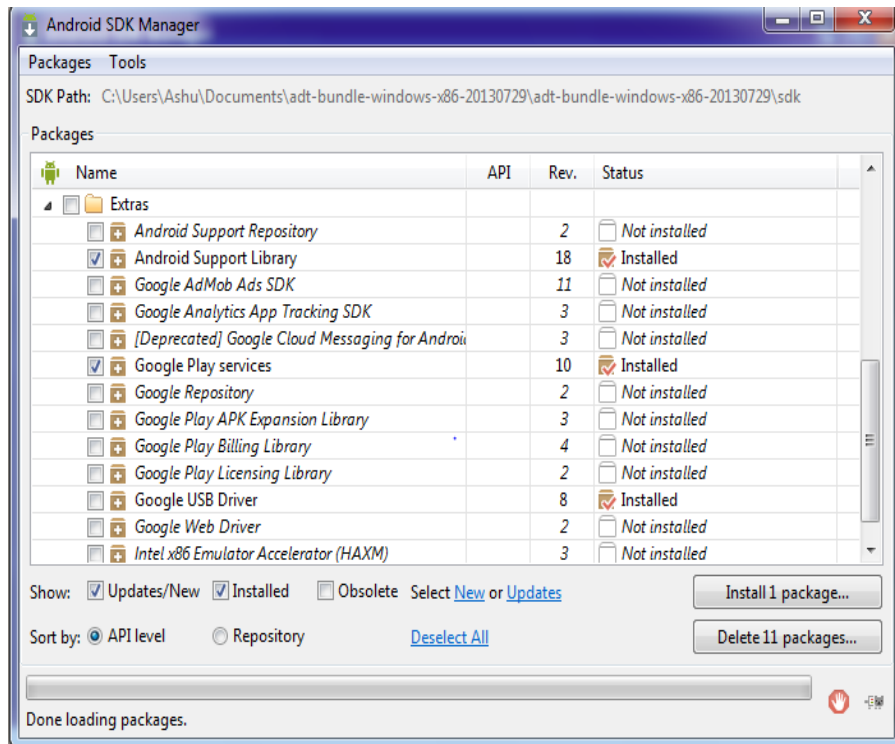
2. Open Eclipse. Install SDK tools, platform and Google play services using SDK Manager:

Start eclipse -> Window -> Android SDK Manager

- Select the latest Tools packages (check the Tools folder)
- Select the latest version of Android (check the SDK Platform Android 4.3 (API 18) folder)
- Select the Android Support Library and Google Play Services (under Extras folder, check Android Support Library and Google Play Services)

Click on “Install Packages” to install all the selected packages. For step by step instructions, go to the link <http://developer.android.com/sdk/installing/adding-packages.html>





3. Import Google Play services library project.



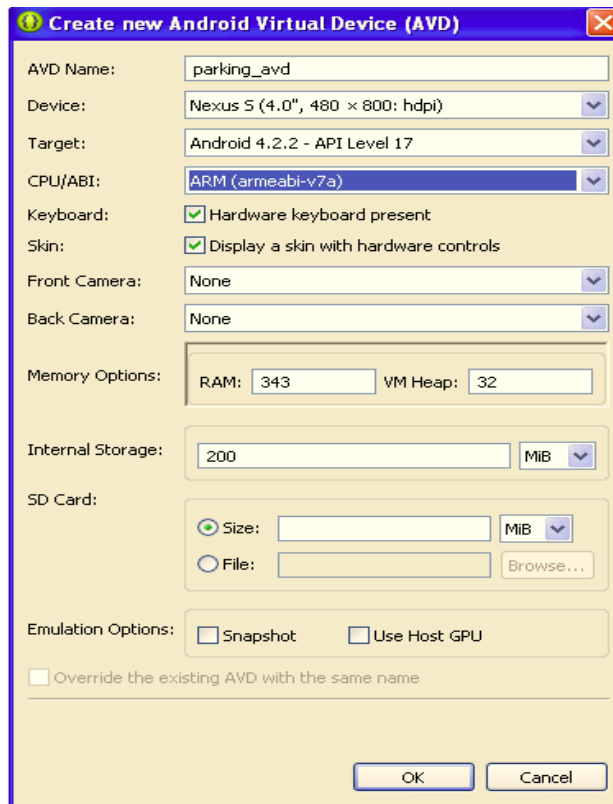
- Copy the library project at <android-sdk>/extras/google/google_play_services/libproject/google-play-services_lib/ to the location where you save your Android app projects.
- Import the Google Play services library project into your workspace.
Open eclipse. Go to File > Import. Select Android > Existing Android Code into Workspace, and browse to the copy of the library project. Click on Finish to import it.

For detailed instructions, go to the link – <http://developer.android.com/google/play-services/setup.html>

4. Create an AVD (Android virtual device) which is an Android emulator:

In Eclipse, choose Window > Android Virtual Device Manager.

In the resultant window, click on “New”. Provide the name for the AVD. Select a device. Choose target as Android 4.3 – API Level 18 and click on “OK” to create a new AVD.



4. Download the following apk files into the folder <android-sdk>/platform-tools:



Links to download latest apk files-

[com.google.android.gms_20130908.apk](#)

[com.android.vending_20130908.apk](#)

Start the AVD. Run the following commands to install the apk files.

```
cd <android-sdk>/platform-tools/
```

```
adb install com.android.vending-20130908.apk
```

```
adb install com.google.android.gms_20130908.apk
```

5. Clone the repository on GitHub in a folder into your local repository using the following commands:

```
cd <path of your local github repository>
```

```
git clone git://github.com/RenuAshwini/ParkingHelpmate.git
```

A folder called ParkingHelpmate will be created in your local repository.

6. Open eclipse and make the folder your current workspace.

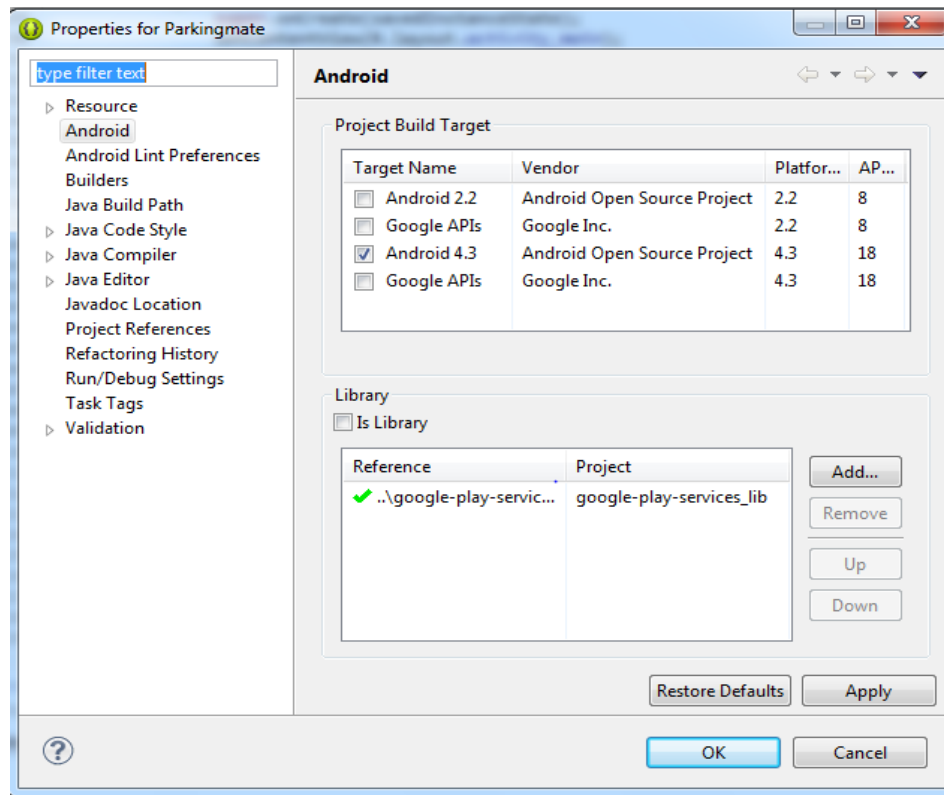
Open Windows > Preferences > Click on Android in the left panel

Make sure the Android 4.3 is listed as Target Name.

7. Open eclipse. Select File > Import > Android> Existing Android Code Into Workspace, and browse to the folder containing cloned ParkingHelpmate repository. Select the local folder called ParkingHelpmate. Click Finish to import it.
8. Open eclipse. Right click on imported ParkingHelpmate project. Go to Properties> Click Android in the left panel
 - Select Project Build Target as Android 4.3
 - Click Add under Library. "Project Selection" Dialog box opens up. Select google-play-services_lib and click OK.

You will see the google-play-services_lib added under Library section. Click Apply and OK.





9. Click Run to run the ParkingHelpmate application as an Android Application.

