**Step by Step & Precise Guidelines for Forcing an Android App for Update from Google Play Store:**

**Step 1 : You should use this for getting the current version (version of the app on the device):**

private String getCurrentVersion(){

PackageManager pm = this.getPackageManager();

PackageInfo pInfo = null;

try {

pInfo = pm.getPackageInfo(this.getPackageName(),0);

} catch (PackageManager.NameNotFoundException e1) {

e1.printStackTrace();

}

String currentVersion = pInfo.versionName;

return currentVersion;

}

**Step 2 : And use this for getting the latest version in the Google play :**

private class GetLatestVersion extends AsyncTask<String, String, String> {

String latestVersion;

@Override

protected void onPreExecute() {

super.onPreExecute();

}

@Override

protected String doInBackground(String... params) {

try {

//It retrieves the latest version by scraping the content of current version from play store at runtime

String urlOfAppFromPlayStore = "https://play.google.com/store/apps/details?id= your app package address";

Document doc = Jsoup.connect(urlOfAppFromPlayStore).get();

latestVersion = doc.getElementsByAttributeValue("itemprop","softwareVersion").first().text();

}catch (Exception e){

e.printStackTrace();

}

return latestVersion;

}

}

**Step 3: Then, when your app starts, check them against each others like this:**

String latestVersion = "";

String currentVersion = getCurrentVersion();

Log.d(LOG\_TAG, "Current version = " + currentVersion);

try {

latestVersion = new GetLatestVersion().execute().get();

Log.d(LOG\_TAG, "Latest version = " + latestVersion);

} catch (InterruptedException e) {

e.printStackTrace();

} catch (ExecutionException e) {

e.printStackTrace();

}

//If the versions are not the same

if(!currentVersion.equals(latestVersion)){

final AlertDialog.Builder builder = new AlertDialog.Builder(this);

builder.setTitle("An Update is Available");

builder.setPositiveButton("Update", new DialogInterface.OnClickListener() {

@Override

public void onClick(DialogInterface dialog, int which) {

//Click button action

startActivity(new Intent(Intent.ACTION\_VIEW, Uri.parse("market://details?id=your app package address")));

dialog.dismiss();

}

});

builder.setNegativeButton("Cancel", new DialogInterface.OnClickListener() {

@Override

public void onClick(DialogInterface dialog, int which) {

//Cancel button action

}

});

builder.setCancelable(false);

builder.show();

}

**Step 4 :**

And show the user update dialog. But make sure you already imported jsoup library.

Extra: For importing jsoup library, follow these steps:

1- go to File menu  
2- project structure  
3- left side click on app  
4- Choose dependencies tab  
5- Click on +   
6- Click on library dependency  
7- Search "jsoup"  
8- choose org.jsoup:jsoup and click ok

**NOTE:**

**If u want to force (mandatorily) update then delete cancel button.**

**& if u do not want force update (optional) then keep cancel button as it is.**