

Zbar library

<https://github.com/dm77/barcodescanner>

1/ in gradle, to compile library, add

compile 'me.dm7.barcodescanner:zbar:1.8'

2/ In manifest, add some permission

```
<uses-permission android:name="android.permission.CAMERA" />
<permission android:name="android.permission.FLASHLIGHT"
    android:permissionGroup="android.permission-group.HARDWARE_CONTROLS"
    android:protectionLevel="normal" />
```

3/ Declare some global variable in activity

```
FrameLayout frameLayout; // a placeholder for code scanner preview
ZBarScannerView myScannerView; // scanner view which we will add into frameLayout
ZBarScannerView.ResultHandler resultHandler; // result handler for myScannerView
```

4/ In OnCreate of the activity

//TODO: init view and add view to layout

```
myScannerView = new ZBarScannerView(MainActivity.this);
frameLayout.addView(myScannerView);
```

//TODO: init the result handler

```
resultHandler = new ZBarScannerView.ResultHandler() {

    @Override
    public void handleResult(Result result) {
        // Do something with the result here
        Log.v(TAG, result.getContents()); // Prints scan results
        Log.v(TAG, result.getBarcodeFormat().getName()); // Prints the scan format (qr code,
pdf417 etc.)
        //Result show here
        ShowResultDialog(result.getContents());
    }
};
```

5/ In OnResume of the activity

//TODO: SET Result Handle Here

```
myScannerView.setResultHandler(resultHandler);
//TODO Start camera
myScannerView.startCamera();
//TODO Set flash and autofocus
myScannerView.setFlash(true);
myScannerView.setAutoFocus(true);
```

6/ In OnPause of the activity

```
super.onPause();
myScannerView.stopCamera(); // Stop camera on pause
```

7/ ShowResultDialog

Just display a dialog what it got from code

```
private void ShowResultDialog(String msg) {
    AlertDialog.Builder builder = new AlertDialog.Builder(MainActivity.this);
    builder.setMessage(msg);
    builder.setPositiveButton("Ok", new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialog, int which) {
            MainActivity.this.onResume();
        }
    });
    Dialog dialog = builder.create();
    dialog.show();
}
```