import android.bluetooth.BluetoothAdapter;

import android.bluetooth.BluetoothDevice;

import android.content.ClipData;

import android.content.ClipboardManager;

import android.content.DialogInterface;

import android.content.Intent;

import android.content.IntentFilter;

import android.graphics.Bitmap;

import android.os.BatteryManager;

import android.support.v7.app.ActionBarActivity;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.widget.ArrayAdapter;

import android.widget.Button;

import android.widget.EditText;

import android.widget.ImageView;

import android.widget.ListView;

import android.widget.TextView;

import android.widget.Toast;

import java.util.ArrayList;

import java.util.Set;

public class MainActivity extends ActionBarActivity {

Button b1,b2;

ImageView iv;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

b1=(Button)findViewById(R.id.button);

iv=(ImageView)findViewById(R.id.imageView);

b1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent(android.provider.MediaStore.ACTION\_IMAGE\_CAPTURE);

startActivityForResult(intent, 0);

}

});

}

protected void onActivityResult(int requestCode, int resultCode, Intent data) {

// TODO Auto-generated method stub

super.onActivityResult(requestCode, resultCode, data);

Bitmap bp = (Bitmap) data.getExtras().get("data");

iv.setImageBitmap(bp);

}

@Override

protected void onDestroy() {

super.onDestroy();

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

return true;

}

@Override

public boolean onOptionsItemSelected(MenuItem item) {

int id = item.getItemId();

return super.onOptionsItemSelected(item);

}

}

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools" android:layout\_width="match\_parent"

android:layout\_height="match\_parent" android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

android:paddingBottom="@dimen/activity\_vertical\_margin" tools:context=".MainActivity">

<TextView android:text="Camera Example" android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/textview"

android:textSize="35dp"

android:layout\_alignParentTop="true"

android:layout\_centerHorizontal="true" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Tutorials point"

android:id="@+id/textView"

android:layout\_below="@+id/textview"

android:layout\_centerHorizontal="true"

android:textColor="#ff7aff24"

android:textSize="35dp" />

<ImageView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/imageView"

android:src="@drawable/abc"

android:layout\_below="@+id/textView"

android:layout\_centerHorizontal="true" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="camera"

android:id="@+id/button"

android:layout\_below="@+id/imageView"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="86dp" />

</RelativeLayout>

<resources>

<string name="app\_name">My Application</string>

<string name="hello\_world">Hello world!</string>

<string name="action\_settings">Settings</string>

</resources>

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

package="com.example.camera"

android:versionCode="1"

android:versionName="1.0" >

<application

android:allowBackup="true"

android:icon="@drawable/ic\_launcher"

android:label="@string/app\_name"

android:theme="@style/AppTheme" >

<activity

android:name="com.example.sairamkrishna.myapplication.MainActivity"

android:label="@string/app\_name" >

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

</application>

</manifest>

2. Użycie camera API

package com.example.sairamkrishna.myapplication;

import android.app.Activity;

import android.bluetooth.BluetoothAdapter;

import android.bluetooth.BluetoothDevice;

import android.content.ClipData;

import android.content.ClipboardManager;

import android.content.DialogInterface;

import android.content.Intent;

import android.content.IntentFilter;

import android.graphics.Bitmap;

import android.hardware.Camera;

import android.hardware.Camera.PictureCallback;

import android.hardware.Camera.ShutterCallback;

import android.os.BatteryManager;

import android.support.v7.app.ActionBarActivity;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.view.SurfaceHolder;

import android.view.SurfaceView;

import android.view.View;

import android.widget.ArrayAdapter;

import android.widget.Button;

import android.widget.EditText;

import android.widget.ImageView;

import android.widget.ListView;

import android.widget.TextView;

import java.io.FileNotFoundException;

import java.io.FileOutputStream;

import java.io.IOException;

import java.util.ArrayList;

import java.util.Set;

public class MainActivity extends Activity implements SurfaceHolder.Callback {

Camera camera;

SurfaceView surfaceView;

SurfaceHolder surfaceHolder;

Camera.PictureCallback rawCallback;

Camera.ShutterCallback shutterCallback;

Camera.PictureCallback jpegCallback;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

surfaceView = (SurfaceView) findViewById(R.id.surfaceView);

surfaceHolder = surfaceView.getHolder();

surfaceHolder.addCallback(this);

surfaceHolder.setType(SurfaceHolder.SURFACE\_TYPE\_PUSH\_BUFFERS);

jpegCallback = new PictureCallback() {

@Override

public void onPictureTaken(byte[] data, Camera camera) {

FileOutputStream outStream = null;

try {

outStream = new FileOutputStream(String.format("/sdcard/%d.jpg", System.currentTimeMillis()));

outStream.write(data);

outStream.close();

}

catch (FileNotFoundException e) {

e.printStackTrace();

}

catch (IOException e) {

e.printStackTrace();

}

finally {

}

Toast.makeText(getApplicationContext(), "Picture Saved", Toast.LENGTH\_LONG).show();

refreshCamera();

}

};

}

public void captureImage(View v) throws IOException {

camera.takePicture(null, null, jpegCallback);

}

public void refreshCamera() {

if (surfaceHolder.getSurface() == null) {

return;

}

try {

camera.stopPreview();

}

catch (Exception e) {

}

try {

camera.setPreviewDisplay(surfaceHolder);

camera.startPreview();

}

catch (Exception e) {

}

}

@Override

protected void onDestroy() {

super.onDestroy();

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

return true;

}

@Override

public boolean onOptionsItemSelected(MenuItem item) {

int id = item.getItemId();

return super.onOptionsItemSelected(item);

}

@Override

public void surfaceCreated(SurfaceHolder holder) {

try {

camera = Camera.open();

}

catch (RuntimeException e) {

System.err.println(e);

return;

}

Camera.Parameters param;

param = camera.getParameters();

param.setPreviewSize(352, 288);

camera.setParameters(param);

try {

camera.setPreviewDisplay(surfaceHolder);

camera.startPreview();

}

catch (Exception e) {

System.err.println(e);

return;

}

}

@Override

public void surfaceChanged(SurfaceHolder holder, int format, int width, int height) {

refreshCamera();

}

@Override

public void surfaceDestroyed(SurfaceHolder holder) {

camera.stopPreview();

camera.release();

camera = null;

}

}

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools" android:layout\_width="match\_parent"

android:layout\_height="match\_parent" android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

android:paddingBottom="@dimen/activity\_vertical\_margin" tools:context=".MainActivity">

<TextView android:text="Camera Example" android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:id="@+id/textview"

android:textSize="35dp"

android:layout\_alignParentTop="true"

android:layout\_centerHorizontal="true" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Tutorials point"

android:id="@+id/textView"

android:layout\_below="@+id/textview"

android:layout\_centerHorizontal="true"

android:textColor="#ff7aff24"

android:textSize="35dp" />

<SurfaceView

android:id="@+id/surfaceView"

android:layout\_width="match\_parent"

android:layout\_height="0dp"

android:layout\_weight="1"/>

</RelativeLayout>

<resources>

<string name="app\_name">My Application</string>

<string name="hello\_world">Hello world!</string>

<string name="action\_settings">Settings</string>

</resources>

<uses-permission android:name="android.permission.CAMERA" />

<uses-permission android:name="android.permission.WRITE\_EXTERNAL\_STORAGE" />

<uses-feature android:name="android.hardware.camera" />

<uses-feature android:name="android.hardware.camera.autofocus" />