

**LAGUNA UNIVERSITY**

Laguna Sports Complex, Sta. Cruz, Laguna

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**MOBILE APPLICATION**

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BSIT – 3A

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**“PUNZALAN APP”**

Main activity

package com.example.punzalanapp;

import android.os.Bundle;

import android.app.Activity;

import android.content.Intent;

import android.view.View;

import android.view.View.OnClickListener;

import android.widget.ImageButton;

public class MainActivity extends Activity implements OnClickListener {

ImageButton imageButtonAnimals;

ImageButton imageButtonSearch;

ImageButton imageButtonColors;

ImageButton imageButtonNumbers;

ImageButton imageButtonTuner;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

imageButtonAnimals = (ImageButton) findViewById(R.id.imageButtonAnimals);

imageButtonSearch = (ImageButton) findViewById(R.id.imageButtonSearch);

imageButtonColors = (ImageButton) findViewById(R.id.imageButtonColors);

imageButtonNumbers = (ImageButton) findViewById(R.id.imageButtonNumbers);

imageButtonTuner = (ImageButton) findViewById(R.id.imageButtonTuner);

imageButtonAnimals.setOnClickListener(this);

imageButtonSearch.setOnClickListener(this);

imageButtonColors.setOnClickListener(this);

imageButtonNumbers.setOnClickListener(this);

imageButtonTuner.setOnClickListener(this);

}

@Override

public void onClick(View view) {

if(view.getId()==R.id.imageButtonAnimals){

//calling an activity using <intent-filter> action name

Intent intent = new Intent("com.example.punzalanapp.animals.ANIMAL\_ACTIVITY");

startActivity(intent);

}

else if(view.getId()==R.id.imageButtonSearch){

//calling an activity using <intent-filter> action name

Intent intent = new Intent("com.example.punzalanapp.search.SEARCH\_ACTIVITY");

startActivity(intent);

}

else if(view.getId()==R.id.imageButtonColors){

//calling an activity using <intent-filter> action name

Intent intent = new Intent("com.example.punzalanappcolors.COLORS\_ACTIVITY");

startActivity(intent);

}

else if(view.getId()==R.id.imageButtonNumbers){

//calling an activity using <intent-filter> action name

Intent intent = new Intent("com.example.punzalanapp.numbers.NUMBERS\_ACTIVITY");

startActivity(intent);

}

else if(view.getId()==R.id.imageButtonTuner){

//calling an activity using <intent-filter> action name

Intent intent = new Intent("com.example.punzalanapp.tuner.TUNER\_ACTIVITY");

startActivity(intent);

}

}}

(res/layout/activity\_main):

<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:paddingBottom="@dimen/activity\_vertical\_margin"

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

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

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

tools:context=".MainActivity" >

<TextView

android:id="@+id/textView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignParentTop="true"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="30dp"

android:text="Choose app:"

android:textAppearance="?android:attr/textAppearanceLarge" />

<ImageButton

android:id="@+id/imageButtonAnimals"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignParentLeft="true"

android:layout\_below="@+id/textView1"

android:layout\_marginLeft="31dp"

android:layout\_marginTop="47dp"

android:src="@drawable/animals" />

<ImageButton

android:id="@+id/imageButtonSearch"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignTop="@+id/imageButtonAnimals"

android:layout\_marginLeft="42dp"

android:layout\_toRightOf="@+id/imageButtonAnimals"

android:src="@drawable/search" />

<ImageButton

android:id="@+id/imageButtonColors"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/imageButtonAnimals"

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

android:layout\_marginTop="30dp"

android:src="@drawable/colors" />

<ImageButton

android:id="@+id/imageButtonNumbers"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignRight="@+id/imageButtonSearch"

android:layout\_alignTop="@+id/imageButtonColors"

android:src="@drawable/numbers" />

<ImageButton

android:id="@+id/imageButtonTuner"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignParentBottom="true"

android:layout\_centerHorizontal="true"

android:layout\_marginBottom="18dp"

android:src="@drawable/tuner" />

</RelativeLayout>

Android.manifest:

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

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

package="com.example.punzalanapp"

android:versionCode="1"

android:versionName="1.0" >

<uses-sdk

android:minSdkVersion="8"

android:targetSdkVersion="18" />

<application

android:allowBackup="true"

android:icon="@drawable/myapplogo"

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

android:theme="@style/AppTheme" >

<activity

android:name="com.example.punzalanapp.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>

**“ANIMAL SOUNDS”**

AnimalActivity.java

package com.example.punzalanapp.animals;

import android.app.Activity;

import android.media.MediaPlayer;

import android.os.Bundle;

import android.view.MotionEvent;

import android.view.View;

import android.view.View.OnTouchListener;

import android.widget.ImageButton;

public class AnimalActivity extends Activity implements OnTouchListener {

protected ImageButton imageButtonCat;

protected ImageButton imageButtonDog;

protected ImageButton imageButtonBird;

protected ImageButton imageButtonElephant;

MediaPlayer mediaplayer;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_animal);

imageButtonCat = (ImageButton)findViewById(R.id.imageButtonCat);

imageButtonDog = (ImageButton)findViewById(R.id.imageButtonDog);

imageButtonBird = (ImageButton)findViewById(R.id.imageButtonBird);

imageButtonElephant = (ImageButton)findViewById(R.id.imageButtonElephant);

imageButtonCat.setOnTouchListener(this);

imageButtonDog.setOnTouchListener(this);

imageButtonBird.setOnTouchListener(this);

imageButtonElephant.setOnTouchListener(this);

mediaplayer= MediaPlayer.create(this, R.raw.kitty);

mediaplayer= MediaPlayer.create(this, R.raw.bird);

mediaplayer= MediaPlayer.create(this, R.raw.elephant);

mediaplayer= MediaPlayer.create(this, R.raw.dog);

}

@Override

public boolean onTouch(View v, MotionEvent event) {

switch(event.getAction()){

case MotionEvent.ACTION\_DOWN:

if (v== imageButtonCat ) {

mediaplayer= MediaPlayer.create(this, R.raw.kitty);

mediaplayer.start();

}

else if (v== imageButtonDog ) {

mediaplayer= MediaPlayer.create(this, R.raw.dog);

mediaplayer.start();

}

else if (v== imageButtonBird ) {

mediaplayer= MediaPlayer.create(this, R.raw.bird);

mediaplayer.start();

}

else {

mediaplayer= MediaPlayer.create(this, R.raw.elephant);

mediaplayer.start();

}

break;

}

return false;

}

}

activity\_animal:

<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:paddingBottom="@dimen/activity\_vertical\_margin"

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

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

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

tools:context=".MainActivity" >

<TextView

android:id="@+id/textView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignParentTop="true"

android:textAlignment="center"

android:layout\_marginTop="17dp"

android:text="Tap the animals to hear their sounds"

android:textAppearance="?android:attr/textAppearanceMedium" />

<ImageButton

android:id="@+id/imageButtonCat"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/textView1"

android:layout\_below="@+id/textView1"

android:layout\_marginTop="27dp"

android:src="@drawable/cat" />

<ImageButton

android:id="@+id/imageButtonDog"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignRight="@+id/textView1"

android:layout\_alignTop="@+id/imageButtonCat"

android:src="@drawable/dog" />

<ImageButton

android:id="@+id/imageButtonBird"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/imageButtonCat"

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

android:layout\_marginTop="21dp"

android:src="@drawable/bird" />

<ImageButton

android:id="@+id/imageButtonElephant"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignRight="@+id/imageButtonDog"

android:layout\_alignTop="@+id/imageButtonBird"

android:src="@drawable/elephant" />

</RelativeLayout>

Android.manifest:

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

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

package="com.example.punzalanapp.animals"

android:versionCode="1"

android:versionName="1.0" >

<uses-sdk

android:minSdkVersion="8"

android:targetSdkVersion="18" />

<application

android:allowBackup="true"

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

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

android:theme="@style/AppTheme" >

<activity

android:name="com.example.punzalanapp.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>

<activity

android:name="com.example.punzalanapp.animals.AnimalActivity"

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

<intent-filter>

<action android:name="com.example.punzalanapp.animals.ANIMAL\_ACTIVITY" />

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

</intent-filter>

</activity>

</application>

</manifest>

**“SEARCH APP”**

SearchActivity.java

package com.example.punzalanapp.search;

import android.os.Bundle;

import android.app.Activity;

import android.app.SearchManager;

import android.content.Intent;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

public class SearchActivity extends Activity {

EditText editText;

Button buttonSearch;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_search);

editText = (EditText)

findViewById(R.id.editTextSearch);

buttonSearch = (Button)

findViewById(R.id.buttonSearch);

}

public void onClick(View w) {

String query = editText.getText().toString();

Intent intent2 = new Intent(Intent.ACTION\_SEARCH);

intent2.putExtra(SearchManager.QUERY, query);

if (intent2.resolveActivity(getPackageManager())

!= null) {

startActivity(intent2);

}

}

}

activity\_seacrh

<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:paddingBottom="@dimen/activity\_vertical\_margin"

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

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

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

tools:context=".MainActivity" >

<EditText

android:id="@+id/editTextSearch"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_alignEnd="@+id/buttonSearch"

android:layout\_alignRight="@+id/buttonSearch"

android:layout\_marginTop="41dp"

android:text="Enter search term here" />

<Button

android:id="@+id/buttonSearch"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_alignParentEnd="true"

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

android:layout\_centerHorizontal="true"

android:layout\_marginTop="24dp"

android:onClick="onClick"

android:text="Search" />

</RelativeLayout>

Android.manifest

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

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

package="com.example.punzalanapp.search"

android:versionCode="1"

android:versionName="1.0" >

<uses-sdk

android:minSdkVersion="8"

android:targetSdkVersion="18" />

<application

android:allowBackup="true"

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

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

android:theme="@style/AppTheme" >

<activity

android:name="com.example.punzalanapp.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>

<activity

android:name="com.example.punzalanapp.search.SearchActivity"

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

<intent-filter>

<action android:name="com.example.punzalanapp.search.SEARCH\_ACTIVITY" />

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

</intent-filter>

</activity>

</application>

</manifest>

**“COLORS”**

ColorsActivity.java

package com.example.punzalanappcolors;

import android.os.Bundle;

import android.media.MediaPlayer;

import android.app.Activity;

import android.graphics.Color;

import android.view.MotionEvent;

import android.view.View;

import android.view.View.OnTouchListener;

import android.widget.Button;

import android.view.Menu;

public class ColorsActivity extends Activity implements OnTouchListener {

protected Button ButtonRed;

protected Button ButtonOrange;

protected Button ButtonYellow;

protected Button ButtonGreen;

protected Button ButtonBlue;

protected Button ButtonPurple;

MediaPlayer mediaplayer;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_colors);

ButtonRed = (Button)findViewById(R.id.ButtonRed);

ButtonOrange = (Button)findViewById(R.id.ButtonOrange);

ButtonYellow = (Button)findViewById(R.id.ButtonYellow);

ButtonGreen = (Button)findViewById(R.id.ButtonGreen);

ButtonBlue = (Button)findViewById(R.id.ButtonBlue);

ButtonPurple = (Button)findViewById(R.id.ButtonPurple);

ButtonRed.setOnTouchListener(this);

ButtonOrange.setOnTouchListener(this);

ButtonYellow.setOnTouchListener(this);

ButtonGreen.setOnTouchListener(this);

ButtonBlue.setOnTouchListener(this);

ButtonPurple.setOnTouchListener(this);

ButtonRed.setBackgroundColor(Color.rgb(139, 0, 0));

ButtonOrange.setBackgroundColor(Color.rgb(255, 128, 0));

ButtonYellow.setBackgroundColor(Color.rgb(139, 139, 0));

ButtonGreen.setBackgroundColor(Color.rgb(0, 139, 0));

ButtonBlue.setBackgroundColor(Color.rgb(0, 0, 139));

ButtonPurple.setBackgroundColor(Color.rgb(102, 0, 204));

mediaplayer= MediaPlayer.create(this, R.raw.red);

mediaplayer= MediaPlayer.create(this, R.raw.orange);

mediaplayer= MediaPlayer.create(this, R.raw.yellow);

mediaplayer= MediaPlayer.create(this, R.raw.green);

mediaplayer= MediaPlayer.create(this, R.raw.blue);

mediaplayer= MediaPlayer.create(this, R.raw.purple);

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

// Inflate the menu; this adds items to the action bar if it is present.

getMenuInflater().inflate(R.menu.colors, menu);

return true;

}

@Override

public boolean onTouch(View v, MotionEvent event) {

switch(event.getAction()){

case MotionEvent.ACTION\_DOWN:

if (v== ButtonRed ) {

ButtonRed.setBackgroundColor(Color.rgb(255, 0, 0));

mediaplayer= MediaPlayer.create(this, R.raw.red);

mediaplayer.start();

}

else if (v== ButtonOrange ) {

ButtonOrange.setBackgroundColor(Color.rgb(255, 153, 51));

mediaplayer= MediaPlayer.create(this, R.raw.orange);

mediaplayer.start();

}

else if (v== ButtonYellow ) {

ButtonYellow.setBackgroundColor(Color.rgb(255,255, 0));

mediaplayer= MediaPlayer.create(this, R.raw.yellow);

mediaplayer.start();

}

else if (v== ButtonGreen ) {

ButtonGreen.setBackgroundColor(Color.rgb(0, 255, 0));

mediaplayer= MediaPlayer.create(this, R.raw.green);

mediaplayer.start();

}

else if (v== ButtonBlue ){

ButtonBlue.setBackgroundColor(Color.rgb(0,0, 255));

mediaplayer= MediaPlayer.create(this, R.raw.blue);

mediaplayer.start();

}

else {

ButtonPurple.setBackgroundColor(Color.rgb(153,51, 255));

mediaplayer= MediaPlayer.create(this, R.raw.purple);

mediaplayer.start();

}

break;

case MotionEvent.ACTION\_UP:

if (v == ButtonRed ) {

ButtonRed.setBackgroundColor(Color.rgb(139, 0, 0));

}

else if (v== ButtonOrange ) {

ButtonOrange.setBackgroundColor(Color.rgb(255, 128, 0));

}

else if (v== ButtonYellow ) {

ButtonYellow.setBackgroundColor(Color.rgb(139,139, 0));

}

else if (v== ButtonGreen ) {

ButtonGreen.setBackgroundColor(Color.rgb(0, 139, 0));

}

else if (v== ButtonBlue ){

ButtonBlue.setBackgroundColor(Color.rgb(0,0, 139));

}

else {

ButtonPurple.setBackgroundColor(Color.rgb(102, 0, 204));

}

}

return false;

}

}

activity\_colors

<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:paddingBottom="@dimen/activity\_vertical\_margin"

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

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

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

tools:context=".ColorsActivity" >

<Button

android:id="@+id/ButtonRed"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:text="RED" />

<Button

android:id="@+id/ButtonOrange"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:layout\_toRightOf="@+id/ButtonRed"

android:text="ORANGE" />

<Button

android:id="@+id/ButtonYellow"

android:layout\_width="100dp"

android:layout\_height="100dp"

android:layout\_toRightOf="@+id/ButtonOrange"

android:text="YELLOW" />

<Button

android:id="@+id/ButtonBlue"

android:layout\_width="100dp"

android:layout\_height="100dp"

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

android:layout\_toRightOf="@+id/ButtonGreen"

android:text="BLUE" />

<Button

android:id="@+id/ButtonPurple"

android:layout\_width="100dp"

android:layout\_height="100dp"

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

android:layout\_toRightOf="@+id/ButtonBlue"

android:text="PURPLE" />

<Button

android:id="@+id/ButtonGreen"

android:layout\_width="100dp"

android:layout\_height="100dp"

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

android:layout\_toLeftOf="@+id/ButtonOrange"

android:text="GREEN" />

</RelativeLayout>

Android.manifest

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

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

package="com.example.punzalanappcolors"

android:versionCode="1"

android:versionName="1.0" >

<uses-sdk

android:minSdkVersion="8"

android:targetSdkVersion="18" />

<application

android:allowBackup="true"

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

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

android:theme="@style/AppTheme" >

<activity

android:name="com.example.punzalanapp.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>

<activity

android:name="com.example.punzalanappcolors.ColorsActivity"

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

<intent-filter>

<action android:name="com.example.punzalanappcolors.COLORS\_ACTIVITY" />

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

</intent-filter>

</activity>

</application>

</manifest>

**“NUMBERS”**

NumberActivity.java

package com.example.punzalanapp.numbers;

import android.media.MediaPlayer;

import android.os.Bundle;

import android.app.Activity;

import android.graphics.Color;

import android.view.Menu;

import android.view.MotionEvent;

import android.view.View;

import android.view.View.OnTouchListener;

import android.widget.Button;

public class NumbersActivity extends Activity implements OnTouchListener {

protected Button button1;

protected Button button2;

protected Button button3;

protected Button button4;

protected Button button5;

protected Button button6;

protected Button button7;

protected Button button8;

protected Button button9;

protected Button button10;

MediaPlayer mediaplayer;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_numbers);

button1 = (Button)findViewById(R.id.button1);

button2 = (Button)findViewById(R.id.button2);

button3 = (Button)findViewById(R.id.button3);

button4 = (Button)findViewById(R.id.button4);

button5 = (Button)findViewById(R.id.button5);

button6 = (Button)findViewById(R.id.button6);

button7 = (Button)findViewById(R.id.button7);

button8 = (Button)findViewById(R.id.button8);

button9 = (Button)findViewById(R.id.button9);

button10 = (Button)findViewById(R.id.button10);

button1.setOnTouchListener(this);

button2.setOnTouchListener(this);

button3.setOnTouchListener(this);

button4.setOnTouchListener(this);

button5.setOnTouchListener(this);

button6.setOnTouchListener(this);

button7.setOnTouchListener(this);

button8.setOnTouchListener(this);

button9.setOnTouchListener(this);

button10.setOnTouchListener(this);

button1.setBackgroundColor(Color.rgb(255, 153, 204));

button2.setBackgroundColor(Color.rgb(102, 255, 102));

button3.setBackgroundColor(Color.rgb(255, 153, 204));

button4.setBackgroundColor(Color.rgb(102, 255, 102));

button5.setBackgroundColor(Color.rgb(255, 153, 204));

button6.setBackgroundColor(Color.rgb(102, 255, 102));

button7.setBackgroundColor(Color.rgb(255, 153, 204));

button8.setBackgroundColor(Color.rgb(102, 255, 102));

button9.setBackgroundColor(Color.rgb(255, 153, 204));

button10.setBackgroundColor(Color.rgb(102, 255, 102));

mediaplayer= MediaPlayer.create(this, R.raw.one);

mediaplayer= MediaPlayer.create(this, R.raw.two);

mediaplayer= MediaPlayer.create(this, R.raw.three);

mediaplayer= MediaPlayer.create(this, R.raw.four);

mediaplayer= MediaPlayer.create(this, R.raw.five);

mediaplayer= MediaPlayer.create(this, R.raw.six);

mediaplayer= MediaPlayer.create(this, R.raw.seven);

mediaplayer= MediaPlayer.create(this, R.raw.eight);

mediaplayer= MediaPlayer.create(this, R.raw.nine);

mediaplayer= MediaPlayer.create(this, R.raw.ten);

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

// Inflate the menu; this adds items to the action bar if it is present.

getMenuInflater().inflate(R.menu.numbers, menu);

return true;

}

@Override

public boolean onTouch(View v, MotionEvent event) {

switch(event.getAction()){

case MotionEvent.ACTION\_DOWN:

if (v== button1 ) {

button1.setBackgroundColor(Color.rgb(255, 204, 255));

mediaplayer= MediaPlayer.create(this, R.raw.one);

mediaplayer.start();

}

else if (v== button2 ) {

button2.setBackgroundColor(Color.rgb(229, 255, 204));

mediaplayer= MediaPlayer.create(this, R.raw.two);

mediaplayer.start();

}

else if (v== button3 ) {

button3.setBackgroundColor(Color.rgb(255, 204, 255));

mediaplayer= MediaPlayer.create(this, R.raw.three);

mediaplayer.start();

}

else if (v== button4 ) {

button4.setBackgroundColor(Color.rgb(229, 255, 204));

mediaplayer= MediaPlayer.create(this, R.raw.four);

mediaplayer.start();

}

else if (v== button5 ) {

button5.setBackgroundColor(Color.rgb(255, 204, 255));

mediaplayer= MediaPlayer.create(this, R.raw.five);

mediaplayer.start();

}

else if (v== button6 ) {

button6.setBackgroundColor(Color.rgb(229, 255, 204));

mediaplayer= MediaPlayer.create(this, R.raw.six);

mediaplayer.start();

}

else if (v== button7 ) {

button7.setBackgroundColor(Color.rgb(255, 204, 255));

mediaplayer= MediaPlayer.create(this, R.raw.seven);

mediaplayer.start();

}

else if (v== button8 ) {

button8.setBackgroundColor(Color.rgb(229, 255, 204));

mediaplayer= MediaPlayer.create(this, R.raw.eight);

mediaplayer.start();

}

else if (v== button9 ) {

button9.setBackgroundColor(Color.rgb(255, 204, 255));

mediaplayer= MediaPlayer.create(this, R.raw.nine);

mediaplayer.start();

}

else {

button10.setBackgroundColor(Color.rgb(229, 255, 204));

mediaplayer= MediaPlayer.create(this, R.raw.ten);

mediaplayer.start();

}

break;

case MotionEvent.ACTION\_UP:

if (v== button1 ) {

button1.setBackgroundColor(Color.rgb(255, 153, 204));

}

else if (v== button2 ) {

button2.setBackgroundColor(Color.rgb(102, 255, 102));

}

else if (v== button3 ) {

button3.setBackgroundColor(Color.rgb(255, 153, 204));

}

else if (v== button4 ) {

button4.setBackgroundColor(Color.rgb(102, 255, 102));

}

else if (v== button5 ) {

button5.setBackgroundColor(Color.rgb(255, 153, 204));

}

else if (v== button6 ) {

button6.setBackgroundColor(Color.rgb(102, 255, 102));

}

else if (v== button7 ) {

button7.setBackgroundColor(Color.rgb(255, 153, 204));

}

else if (v== button8 ) {

button8.setBackgroundColor(Color.rgb(102, 255, 102));

}

else if (v== button9 ) {

button9.setBackgroundColor(Color.rgb(255, 153, 204));

}

else {

button10.setBackgroundColor(Color.rgb(102, 255, 102));

}

}

return false;

}

}

Activity\_numbers

<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:paddingBottom="@dimen/activity\_vertical\_margin"

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

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

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

tools:context=".NumbersActivity" >

<Button

android:id="@+id/button1"

android:layout\_width="85dp"

android:layout\_height="85dp"

android:layout\_alignParentLeft="true"

android:text="1" />

<Button

android:id="@+id/button2"

android:layout\_width="85dp"

android:layout\_height="85dp"

android:layout\_below="@+id/button1"

android:text="2" />

<Button

android:id="@+id/button3"

android:layout\_width="85dp"

android:layout\_height="85dp"

android:layout\_below="@+id/button2"

android:text="3" />

<Button

android:id="@+id/button4"

android:layout\_width="85dp"

android:layout\_height="85dp"

android:layout\_below="@+id/button3"

android:text="4" />

<Button

android:id="@+id/button5"

android:layout\_width="85dp"

android:layout\_height="85dp"

android:layout\_below="@+id/button4"

android:text="5" />

<Button

android:id="@+id/button7"

android:layout\_width="85dp"

android:layout\_height="85dp"

android:layout\_alignRight="@+id/button6"

android:layout\_below="@+id/button6"

android:text="7" />

<Button

android:id="@+id/button8"

android:layout\_width="85dp"

android:layout\_height="85dp"

android:layout\_below="@+id/button7"

android:layout\_alignRight="@+id/button7"

android:text="8" />

<Button

android:id="@+id/button9"

android:layout\_width="85dp"

android:layout\_height="85dp"

android:layout\_below="@+id/button8"

android:layout\_alignRight="@+id/button8"

android:text="9" />

<Button

android:id="@+id/button10"

android:layout\_width="85dp"

android:layout\_height="85dp"

android:layout\_below="@+id/button9"

android:layout\_alignRight="@+id/button9"

android:text="10" />

<Button

android:id="@+id/button6"

android:layout\_width="85dp"

android:layout\_height="85dp"

android:layout\_alignParentRight="true"

android:text="6" />

</RelativeLayout>

Android.manifest

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

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

package="com.example.punzalanapp.numbers"

android:versionCode="1"

android:versionName="1.0" >

<uses-sdk

android:minSdkVersion="8"

android:targetSdkVersion="18" />

<application

android:allowBackup="true"

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

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

android:theme="@style/AppTheme" >

<activity

android:name="com.example.punzalanapp.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>

<activity

android:name="com.example.punzalanapp.numbers.NumbersActivity"

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

<intent-filter>

<action android:name="com.example.punzalanapp.numbers.NUMBERS\_ACTIVITY" />

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

</intent-filter>

</activity>

</application>

</manifest>

**“TUNER”**

TunerActivity.java

package com.example.punzalanapp.tuner;

import android.graphics.Color;

import android.media.MediaPlayer;

import android.os.Bundle;

import android.app.Activity;

import android.view.Menu;

import android.view.MotionEvent;

import android.view.View;

import android.view.View.OnTouchListener;

import android.widget.Button;

public class TunerActivity extends Activity implements OnTouchListener {

protected Button buttonBassE;

protected Button buttonA;

protected Button buttonD;

protected Button buttonG;

protected Button buttonB;

protected Button buttonHighE;

MediaPlayer mediaplayer;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_tuner);

buttonBassE = (Button)findViewById(R.id.buttonBassE);

buttonA = (Button)findViewById(R.id.buttonA);

buttonD = (Button)findViewById(R.id.buttonD);

buttonG = (Button)findViewById(R.id.buttonG);

buttonB = (Button)findViewById(R.id.buttonB);

buttonHighE = (Button)findViewById(R.id.buttonHighE);

buttonBassE.setOnTouchListener(this);

buttonA.setOnTouchListener(this);

buttonD.setOnTouchListener(this);

buttonG.setOnTouchListener(this);

buttonB.setOnTouchListener(this);

buttonHighE.setOnTouchListener(this);

buttonBassE.setBackgroundColor(Color.rgb(255, 128, 0));

buttonA.setBackgroundColor(Color.rgb(255, 255, 0));

buttonD.setBackgroundColor(Color.rgb(255, 128, 0));

buttonG.setBackgroundColor(Color.rgb(255, 255, 0));

buttonB.setBackgroundColor(Color.rgb(255, 128, 0));

buttonHighE.setBackgroundColor(Color.rgb(255, 255, 0));

mediaplayer= MediaPlayer.create(this, R.raw.tuner\_bass\_e);

mediaplayer= MediaPlayer.create(this, R.raw.tuner\_a);

mediaplayer= MediaPlayer.create(this, R.raw.tuner\_d);

mediaplayer= MediaPlayer.create(this, R.raw.tuner\_g);

mediaplayer= MediaPlayer.create(this, R.raw.tuner\_b);

mediaplayer= MediaPlayer.create(this, R.raw.tuner\_high\_e);

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

// Inflate the menu; this adds items to the action bar if it is present.

getMenuInflater().inflate(R.menu.tuner, menu);

return true;

}

@Override

public boolean onTouch(View v, MotionEvent event) {

switch(event.getAction()){

case MotionEvent.ACTION\_DOWN:

if (v== buttonBassE) {

buttonBassE.setBackgroundColor(Color.rgb(255,153, 51));

mediaplayer= MediaPlayer.create(this, R.raw.tuner\_bass\_e);

mediaplayer.start();

}

else if (v== buttonA) {

buttonA.setBackgroundColor(Color.rgb(255, 255, 51));

mediaplayer= MediaPlayer.create(this, R.raw.tuner\_a);

mediaplayer.start();

}

else if (v== buttonD) {

buttonD.setBackgroundColor(Color.rgb(255,153, 51));

mediaplayer= MediaPlayer.create(this, R.raw.tuner\_d);

mediaplayer.start();

}

else if (v== buttonG) {

buttonG.setBackgroundColor(Color.rgb(255, 255, 51));

mediaplayer= MediaPlayer.create(this, R.raw.tuner\_g);

mediaplayer.start();

}

else if (v== buttonB){

buttonB.setBackgroundColor(Color.rgb(255,153, 51));

mediaplayer= MediaPlayer.create(this, R.raw.tuner\_b);

mediaplayer.start();

}

else {

buttonHighE.setBackgroundColor(Color.rgb(255, 255, 51));

mediaplayer= MediaPlayer.create(this, R.raw.tuner\_high\_e);

mediaplayer.start();

}

break;

case MotionEvent.ACTION\_UP:

if (v== buttonBassE) {

buttonBassE.setBackgroundColor(Color.rgb(255, 128, 0));

mediaplayer.release();

}

else if (v== buttonA) {

buttonA.setBackgroundColor(Color.rgb(255, 255, 0));

mediaplayer.release();

}

else if (v== buttonD) {

buttonD.setBackgroundColor(Color.rgb(255, 128, 0));

mediaplayer.release();

}

else if (v== buttonG) {

buttonG.setBackgroundColor(Color.rgb(255, 255, 0));

mediaplayer.release();

}

else if (v== buttonB){

buttonB.setBackgroundColor(Color.rgb(255, 128, 0));

mediaplayer.release();

}

else {

buttonHighE.setBackgroundColor(Color.rgb(255, 255, 0));

mediaplayer.release();

}

}

return false;

}

}

Activity\_tuner

<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:paddingBottom="@dimen/activity\_vertical\_margin"

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

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

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

tools:context=".TunerActivity" >

<Button

android:id="@+id/buttonBassE"

android:layout\_width="55dp"

android:layout\_height="55dp"

android:layout\_centerHorizontal="true"

android:text="E" />

<Button

android:id="@+id/buttonA"

android:layout\_width="55dp"

android:layout\_height="55dp"

android:layout\_alignLeft="@+id/buttonBassE"

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

android:layout\_marginTop="16dp"

android:text="A" />

<Button

android:id="@+id/buttonD"

android:layout\_width="55dp"

android:layout\_height="55dp"

android:layout\_alignLeft="@+id/buttonA"

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

android:layout\_marginTop="26dp"

android:text="D" />

<Button

android:id="@+id/buttonG"

android:layout\_width="55dp"

android:layout\_height="55dp"

android:layout\_alignLeft="@+id/buttonD"

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

android:layout\_marginTop="20dp"

android:text="G" />

<Button

android:id="@+id/buttonB"

android:layout\_width="55dp"

android:layout\_height="55dp"

android:layout\_alignLeft="@+id/buttonG"

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

android:layout\_marginTop="19dp"

android:text="B" />

<Button

android:id="@+id/buttonHighE"

android:layout\_width="55dp"

android:layout\_height="55dp"

android:layout\_alignLeft="@+id/buttonB"

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

android:layout\_marginTop="16dp"

android:text="E" />

</RelativeLayout>

Android.manifest

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

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

package="com.example.punzalanapp.tuner"

android:versionCode="1"

android:versionName="1.0" >

<uses-sdk

android:minSdkVersion="8"

android:targetSdkVersion="18" />

<application

android:allowBackup="true"

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

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

android:theme="@style/AppTheme" >

<activity

android:name="com.example.punzalanapp.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>

<activity

android:name="com.example.punzalanapp.tuner.TunerActivity"

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

<intent-filter>

<action android:name="com.example.punzalanapp.tuner.TUNER\_ACTIVITY" />

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

</intent-filter>

</activity>

</application>

</manifest>