Kotlin

package alpha.dex.dexsix

import androidx.appcompat.app.AppCompatActivity

import android.os.Bundle

import android.provider.SyncStateContract.Helpers.update

import android.view.ContextMenu

import android.view.MenuItem

import android.view.View

import android.widget.\*

import androidx.appcompat.app.AlertDialog

import androidx.constraintlayout.widget.ConstraintLayout

class Contact : AppCompatActivity() {

var listView: ListView? = null

var adapter: ArrayAdapter<String>? = null

var contacts = arrayListOf<String>("Ajay")

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_contact)

val fButton =

findViewById<com.google.android.material.floatingactionbutton.FloatingActionButton>(R.id.fab)

fButton.setOnClickListener {

addContact()

}

listView = findViewById<ListView>(R.id.listView)

adapter = ArrayAdapter(this, android.R.layout.simple\_list\_item\_1, contacts)

listView?.setAdapter(adapter)

// Register the ListView for Context menu

registerForContextMenu(listView)

}

override fun onCreateContextMenu(

menu: ContextMenu,

v: View,

menuInfo: ContextMenu.ContextMenuInfo

) {

super.onCreateContextMenu(menu, v, menuInfo)

val inflater = menuInflater

inflater.inflate(R.menu.contact\_menu, menu)

menu.setHeaderTitle("Select The Action")

}

override fun onContextItemSelected(item: MenuItem): Boolean {

var pos1 = item.menuInfo as AdapterView.AdapterContextMenuInfo

var pos = pos1.position

if (item.itemId == R.id.update) {

val builder = AlertDialog.Builder(this)

builder.setTitle("Update")

val input = EditText(this)

val lp = ConstraintLayout.LayoutParams(

ConstraintLayout.LayoutParams.MATCH\_PARENT,

ConstraintLayout.LayoutParams.MATCH\_PARENT

)

input.layoutParams = lp

builder.setView(input)

input.setText(contacts[pos])

builder.setPositiveButton("OK") { dialogInterface, i ->

contacts.set(pos, input.text.toString())

adapter?.notifyDataSetChanged()

contacts.sort()

Toast.makeText(applicationContext, "Successfully Updated", Toast.LENGTH\_SHORT)

.show()

}

builder.show()

} else if (item.itemId == R.id.delete) {

contacts.removeAt(pos)

adapter?.notifyDataSetChanged()

Toast.makeText(applicationContext, "Successfully Deleted", Toast.LENGTH\_LONG).show()

} else

return false

return true

}

private fun addContact() {

val builder = AlertDialog.Builder(this)

builder.setTitle("Insert")

val input = EditText(this)

val lp = LinearLayout.LayoutParams(

LinearLayout.LayoutParams.MATCH\_PARENT,

LinearLayout.LayoutParams.MATCH\_PARENT

)

input.layoutParams = lp

builder.setView(input)

builder.setPositiveButton("OK") { dialogInterface, i ->

contacts.add(input.text.toString())

adapter?.notifyDataSetChanged()

contacts.sort()

Toast.makeText(applicationContext, "Successfully Inserted", Toast.LENGTH\_SHORT).show()

}

builder.show()

}

}

Xml

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

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#5D5D5D"

tools:context=".Contact">

<com.google.android.material.floatingactionbutton.FloatingActionButton

android:id="@+id/fab"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_gravity="bottom|end"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.926"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.925"

app:srcCompat="@android:drawable/ic\_dialog\_email" />

<ListView

android:id="@+id/listView"

android:layout\_width="match\_parent"

android:layout\_height="0dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

Menu file

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

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

<item

android:id="@+id/update"

android:title="Update" />

<item

android:id="@+id/delete"

android:title="Delete" />

</menu>