MainActivity.kt

package com.example.workoutplanner

import android.content.Intent

import android.os.Bundle

import android.widget.Button

import androidx.appcompat.app.AppCompatActivity

import androidx.recyclerview.widget.LinearLayoutManager

import androidx.recyclerview.widget.RecyclerView

class MainActivity : AppCompatActivity() {

private lateinit var dbHelper: WorkoutDbHelper

private lateinit var adapter: WorkoutAdapter

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

dbHelper = WorkoutDbHelper(this)

val recyclerView = findViewById<RecyclerView>(R.id.recyclerView)

val addButton = findViewById<Button>(R.id.addButton)

recyclerView.layoutManager = LinearLayoutManager(this)

adapter = WorkoutAdapter(dbHelper.getAllWorkouts()) { workout ->

dbHelper.deleteWorkout(workout.id)

refreshList()

}

recyclerView.adapter = adapter

addButton.setOnClickListener {

startActivity(Intent(this, AddWorkoutActivity::class.java))

}

}

override fun onResume() {

super.onResume()

refreshList()

}

private fun refreshList() {

adapter.updateList(dbHelper.getAllWorkouts())

}

}

Workout.kt

package com.example.workoutplanner

data class Workout(

val id: Int,

val name: String,

val equipment: String,

val sets: Int,

val reps: Int,

val weight: Float

)

WorkoutAdapter.kt

package com.example.workoutplanner

import android.view.LayoutInflater

import android.view.View

import android.view.ViewGroup

import android.widget.Button

import android.widget.TextView

import androidx.recyclerview.widget.RecyclerView

class WorkoutAdapter(

private var workoutList: List<Workout>,

private val onDelete: (Workout) -> Unit

) : RecyclerView.Adapter<WorkoutAdapter.WorkoutViewHolder>() {

inner class WorkoutViewHolder(view: View) : RecyclerView.ViewHolder(view) {

val infoText: TextView = view.findViewById(R.id.infoText)

val doneButton: Button = view.findViewById(R.id.doneButton)

}

override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): WorkoutViewHolder {

val view = LayoutInflater.from(parent.context).inflate(R.layout.workout\_item, parent, false)

return WorkoutViewHolder(view)

}

override fun onBindViewHolder(holder: WorkoutViewHolder, position: Int) {

val workout = workoutList[position]

holder.infoText.text = "${workout.name} - ${workout.equipment}\nSets: ${workout.sets}, Reps: ${workout.reps}, Weight: ${workout.weight}kg"

holder.doneButton.setOnClickListener { onDelete(workout) }

}

override fun getItemCount() = workoutList.size

fun updateList(newList: List<Workout>) {

workoutList = newList

notifyDataSetChanged()

}

}

WorkoutDbHelper.kt

package com.example.workoutplanner

import android.content.ContentValues

import android.content.Context

import android.database.sqlite.SQLiteDatabase

import android.database.sqlite.SQLiteOpenHelper

class WorkoutDbHelper(context: Context) : SQLiteOpenHelper(context, "workouts.db", null, 1) {

override fun onCreate(db: SQLiteDatabase) {

db.execSQL("CREATE TABLE workouts (id INTEGER PRIMARY KEY AUTOINCREMENT, name TEXT, equipment TEXT, sets INTEGER, reps INTEGER, weight REAL)")

}

override fun onUpgrade(db: SQLiteDatabase, oldVersion: Int, newVersion: Int) {

db.execSQL("DROP TABLE IF EXISTS workouts")

onCreate(db)

}

fun insertWorkout(name: String, equipment: String, sets: Int, reps: Int, weight: Float) {

val db = writableDatabase

val values = ContentValues().apply {

put("name", name)

put("equipment", equipment)

put("sets", sets)

put("reps", reps)

put("weight", weight)

}

db.insert("workouts", null, values)

}

fun getAllWorkouts(): List<Workout> {

val db = readableDatabase

val cursor = db.rawQuery("SELECT \* FROM workouts", null)

val list = mutableListOf<Workout>()

while (cursor.moveToNext()) {

list.add(

Workout(

cursor.getInt(0),

cursor.getString(1),

cursor.getString(2),

cursor.getInt(3),

cursor.getInt(4),

cursor.getFloat(5)

)

)

}

cursor.close()

return list

}

fun deleteWorkout(id: Int) {

writableDatabase.delete("workouts", "id=?", arrayOf(id.toString()))

}

}

AddWorkoutActivity.kt

package com.example.workoutplanner

import android.os.Bundle

import android.widget.Button

import android.widget.EditText

import androidx.appcompat.app.AppCompatActivity

class AddWorkoutActivity : AppCompatActivity() {

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_add\_workout)

val dbHelper = WorkoutDbHelper(this)

val nameField = findViewById<EditText>(R.id.nameField)

val equipmentField = findViewById<EditText>(R.id.equipmentField)

val setsField = findViewById<EditText>(R.id.setsField)

val repsField = findViewById<EditText>(R.id.repsField)

val weightField = findViewById<EditText>(R.id.weightField)

val saveButton = findViewById<Button>(R.id.saveButton)

saveButton.setOnClickListener {

dbHelper.insertWorkout(

nameField.text.toString(),

equipmentField.text.toString(),

setsField.text.toString().toInt(),

repsField.text.toString().toInt(),

weightField.text.toString().toFloat()

)

finish()

}

}

}

activity\_main.xml

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

    android:layout\_width="match\_parent"

    android:layout\_height="match\_parent"

    android:orientation="vertical"

    android:padding="16dp">

    <androidx.recyclerview.widget.RecyclerView

        android:id="@+id/recyclerView"

        android:layout\_width="match\_parent"

        android:layout\_height="0dp"

        android:layout\_weight="1" />

    <Button

        android:id="@+id/addButton"

        android:layout\_width="match\_parent"

        android:layout\_height="wrap\_content"

        android:text="Add Workout" />

</LinearLayout>

workout\_item.xml

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

    android:layout\_width="match\_parent"

    android:layout\_height="wrap\_content"

    android:orientation="vertical"

    android:padding="8dp">

    <TextView

        android:id="@+id/infoText"

        android:layout\_width="match\_parent"

        android:layout\_height="wrap\_content"

        android:textSize="16sp" />

    <Button

        android:id="@+id/doneButton"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:text="Done" />

</LinearLayout>

activity\_add\_workout.xml

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

    android:layout\_width="match\_parent"

    android:layout\_height="match\_parent"

    android:padding="16dp">

    <LinearLayout

        android:layout\_width="match\_parent"

        android:layout\_height="wrap\_content"

        android:orientation="vertical">

        <EditText

            android:id="@+id/nameField"

            android:layout\_width="match\_parent"

            android:layout\_height="wrap\_content"

            android:hint="Workout Name" />

        <EditText

            android:id="@+id/equipmentField"

            android:layout\_width="match\_parent"

            android:layout\_height="wrap\_content"

            android:hint="Equipment" />

        <EditText

            android:id="@+id/setsField"

            android:layout\_width="match\_parent"

            android:layout\_height="wrap\_content"

            android:hint="Sets"

            android:inputType="number" />

        <EditText

            android:id="@+id/repsField"

            android:layout\_width="match\_parent"

            android:layout\_height="wrap\_content"

            android:hint="Reps"

            android:inputType="number" />

        <EditText

            android:id="@+id/weightField"

            android:layout\_width="match\_parent"

            android:layout\_height="wrap\_content"

            android:hint="Weight (kg)"

            android:inputType="numberDecimal" />

        <Button

            android:id="@+id/saveButton"

            android:layout\_width="match\_parent"

            android:layout\_height="wrap\_content"

            android:text="Save" />

    </LinearLayout>

</ScrollView>