**EDITED Expense Calculator PROJECT**

XML

<?xml version="1.0" encoding="utf-8"?>  
  
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:padding="16dp">  
  
 <TextView  
 android:id="@+id/titleTextView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Expense Calculator"  
 android:textSize="24sp"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginBottom="24dp"/>  
  
 <EditText  
 android:id="@+id/itemEditText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:firstBaselineToTopHeight="100dp"  
 android:hint="Enter item name"/>  
  
 <EditText  
 android:id="@+id/expenseEditText"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter expense amount"  
 android:inputType="numberDecimal"  
 android:layout\_below="@id/itemEditText"  
 android:layout\_marginTop="16dp"/>  
  
 <Button  
 android:id="@+id/addButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Add Expense"  
 android:layout\_below="@id/expenseEditText"  
 android:layout\_marginTop="16dp"/>  
  
 <TextView  
 android:id="@+id/totalTextView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/addButton"  
 android:layout\_marginTop="24dp"  
 android:textSize="18sp"/>  
  
 <TextView  
 android:id="@+id/expenseListTextView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/totalTextView"  
 android:layout\_marginTop="16dp"  
 android:textSize="16sp"  
 android:textColor="#000"/>  
  
</RelativeLayout>

JAVA

package com.example.expensecalculator;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import androidx.appcompat.app.AppCompatActivity;  
  
import java.util.ArrayList;  
  
public class MainActivity extends AppCompatActivity {  
  
 private EditText itemEditText;  
 private EditText expenseEditText;  
 private Button addButton;  
 private TextView totalTextView;  
 private TextView expenseListTextView;  
  
 private double totalExpenses = 0.0;  
 private ArrayList<String> expenseList = new ArrayList<>();  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 itemEditText = findViewById(R.id.*itemEditText*);  
 expenseEditText = findViewById(R.id.*expenseEditText*);  
 addButton = findViewById(R.id.*addButton*);  
 totalTextView = findViewById(R.id.*totalTextView*);  
 expenseListTextView = findViewById(R.id.*expenseListTextView*);  
  
 addButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 addExpense();  
 }  
 });  
 }  
  
 private void addExpense() {  
 String itemName = itemEditText.getText().toString();  
 String expenseStr = expenseEditText.getText().toString();  
  
 if (itemName.isEmpty() || expenseStr.isEmpty()) {  
 totalTextView.setText("Please enter both item and expense amount.");  
 return;  
 }  
  
 double expense = Double.*parseDouble*(expenseStr);  
 totalExpenses += expense;  
  
 // Clear the input fields  
 itemEditText.setText("");  
 expenseEditText.setText("");  
  
 // Update the expense list  
 expenseList.add(itemName + ": $" + expense);  
 updateExpenseList();  
  
 // Update total expenses display  
 totalTextView.setText(String.*format*("Total Expenses: $%.2f", totalExpenses));  
 }  
  
 private void updateExpenseList() {  
 StringBuilder builder = new StringBuilder();  
 for (String expense : expenseList) {  
 builder.append(expense).append("\n");  
 }  
 expenseListTextView.setText(builder.toString());  
 }  
}

