@@ -0,0 +1,99 @@

package com.f19.myconverter;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.text.Editable;

import android.text.TextWatcher;

import android.util.Log;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

EditText cadField;

EditText usdField;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

cadField = findViewById(R.id.cad);

usdField = findViewById(R.id.usd);

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

cadField.addTextChangedListener(textWatcher\_cad);

usdField.addTextChangedListener(textWatcher\_usd);

btn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

if (!cadField.getText().toString().isEmpty() && usdField.getText().toString().isEmpty()) {

double cadCurrency = Double.valueOf(cadField.getText().toString());

usdField.setText(String.format("%.2f", cadCurrency / 1.3));

} else if (cadField.getText().toString().isEmpty() && !usdField.getText().toString().isEmpty()) {

double usdCurrency = Double.valueOf(usdField.getText().toString());

cadField.setText(String.format("%.2f", usdCurrency \* 1.3));

} else {

Toast.makeText(MainActivity.this, "Provide a value in one field", Toast.LENGTH\_LONG).show();

}

}

});

}

TextWatcher textWatcher\_cad = new TextWatcher() {

@Override

public void beforeTextChanged(CharSequence s, int start, int count, int after) {

}

@Override

public void onTextChanged(CharSequence s, int start, int before, int count) {

Log.i("cad", "onTextChanged: cad changed");

if (getCurrentFocus() == cadField) {

if (!cadField.getText().toString().isEmpty()) {

double cadCurrency = Double.valueOf(cadField.getText().toString());

usdField.setText(String.format("%.2f", cadCurrency / 1.3));

} else

usdField.setText("");

}

}

@Override

public void afterTextChanged(Editable s) {

}

};

TextWatcher textWatcher\_usd = new TextWatcher() {

@Override

public void beforeTextChanged(CharSequence s, int start, int count, int after) {

}

@Override

public void onTextChanged(CharSequence s, int start, int before, int count) {

Log.i("USD", "onTextChanged: usd changed");

if (getCurrentFocus() == usdField) {

if (!usdField.getText().toString().isEmpty()) {

double usdCurrency = Double.valueOf(usdField.getText().toString());

cadField.setText(String.format("%.2f", usdCurrency \* 1.3));

} else

cadField.setText("");

}

}

@Override

public void afterTextChanged(Editable s) {

}

};

}