package com.example.calculateurimc;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.annotation.SuppressLint;  
import android.os.Bundle;  
import android.text.Editable;  
import android.text.TextWatcher;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.RadioButton;  
import android.widget.RadioGroup;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import com.moonlabcoding.tp2.R;  
import com.moonlabcoding.tp2.model.IMHelper;  
import com.moonlabcoding.tp2.model.User;  
  
public class MainActivity extends AppCompatActivity {  
  
 private EditText \_edtTaille;  
 private EditText \_edtPoids;  
 private EditText \_edtAge;  
  
 private Button \_btnCalculIMG;  
 private TextView \_txtResultat;  
 private TextView \_txtInterpretation;  
 private RadioGroup \_radiogroup;  
  
 private User mUser;  
  
 private IMHelper mIMHelper;  
  
 private char mSex;  
 private char[] sexList;  
  
 private TextWatcher mTextWatcher = new TextWatcher() {  
 @Override  
 public void beforeTextChanged(CharSequence charSequence, int i, int i1, int i2) {  
  
 }  
  
 @Override  
 public void onTextChanged(CharSequence charSequence, int i, int i1, int i2) {  
 }  
  
 @Override  
 public void afterTextChanged(Editable editable) {  
*// if ((\_edtAge.getText().toString().length() != 0) && (\_edtPoids.getText().toString().length() != 0) && (\_edtTaille.getText().toString().length() != 0)){  
//  
// }* \_btnCalculIMG.setEnabled(  
 (\_edtAge.getText().toString().length() != 0) &&  
 (\_edtPoids.getText().toString().length() != 0) &&  
 (\_edtTaille.getText().toString().length() != 0));  
  
 if (\_radiogroup.getCheckedRadioButtonId() == -1) {  
 \_btnCalculIMG.setEnabled(false);  
 }  
 }  
 };  
  
 private void connectViews() {  
 \_radiogroup = (RadioGroup) findViewById(R.id.*radioGroup*);  
 \_btnCalculIMG = (Button) findViewById(R.id.*btnCalculIMG*);  
 \_txtResultat = (TextView) findViewById(R.id.*lblResultat*);  
 \_txtInterpretation = (TextView) findViewById(R.id.*lblInterpretation*);  
 \_edtTaille = (EditText) findViewById(R.id.*edtTaille*);  
 \_edtPoids = (EditText) findViewById(R.id.*edtPoids*);  
 \_edtAge = (EditText) findViewById(R.id.*edtAge*);  
 }  
  
 @SuppressLint("NonConstantResourceId")  
 public void onRadioButtonClicked(View view) {  
 *// Is the button now checked?* boolean checked = ((RadioButton) view).isChecked();  
 \_btnCalculIMG.setEnabled(true);  
 *// Check which radio button was clicked* switch (view.getId()) {  
 case R.id.*rdbHomme*:  
 if (checked) {  
 mSex = 'H';  
 Toast.*makeText*(this, "Homme", Toast.*LENGTH\_SHORT*).show();  
 }  
 break;  
 case R.id.*rdbFemme*:  
 if (checked) {  
 mSex = 'F';  
 Toast.*makeText*(this, "Femme", Toast.*LENGTH\_SHORT*).show();  
 }  
 break;  
 }  
 }  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 mIMHelper=new IMHelper();  
 mSex = 'N';  
 sexList = new char[]{'H', 'F'};  
 connectViews();  
 \_btnCalculIMG.setEnabled(false);  
 \_btnCalculIMG.setOnClickListener(new View.OnClickListener() {  
 public void onClick(View v) {  
 *// Code here executes on main thread after user presses button* int age = Integer.*parseInt*(\_edtAge.getText().toString());  
 Float poids = Float.*parseFloat*(\_edtPoids.getText().toString());  
 Float taille = Float.*parseFloat*(\_edtTaille.getText().toString());  
 char sex = mSex;  
 mUser = new User(age, poids, taille, sex);  
 Float IMG = mUser.getIMG();  
 String interpretation= mIMHelper.getIMGInterpretation(mUser.getSex(),IMG);  
 \_txtResultat.setText(IMG.toString());  
 \_txtInterpretation.setText(interpretation);  
 Toast.*makeText*(getApplicationContext(), interpretation , Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
  
 \_edtTaille.addTextChangedListener(mTextWatcher);  
 \_edtPoids.addTextChangedListener(mTextWatcher);  
 \_edtAge.addTextChangedListener(mTextWatcher);  
 }  
  
  
}