package com.example.myapplication;  
  
import android.os.AsyncTask;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import org.json.JSONException;  
import org.json.JSONObject;  
  
import java.io.BufferedReader;  
import java.io.IOException;  
import java.io.InputStreamReader;  
import java.net.HttpURLConnection;  
import java.net.MalformedURLException;  
import java.net.ProtocolException;  
import java.net.URL;  
  
public class MainActivity extends AppCompatActivity {  
  
 Button b\_get;  
 TextView tv\_fact;  
  
 String quoteString = "";  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 b\_get = findViewById(R.id.*b\_get*);  
 tv\_fact = findViewById(R.id.*tv\_fact*);  
  
 b\_get.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 //start the job on click  
 new QuoteLoader().execute();  
 }  
 });  
 }  
  
 //quote loader  
 private class QuoteLoader extends AsyncTask<Void, Void, Void> {  
  
 @Override  
 protected Void doInBackground(Void... voids) {  
 //get json from url  
 String jsonString = getJson("https://api.chucknorris.io/jokes/random");  
  
 //get quote from the json  
 try {  
 JSONObject jsonObject = new JSONObject(jsonString);  
 quoteString = jsonObject.getString("value");  
 } catch (JSONException e) {  
 e.printStackTrace();  
 }  
  
 return null;  
 }  
  
 @Override  
 protected void onPreExecute() {  
 super.onPreExecute();  
 quoteString = "";  
 tv\_fact.setText("Loading...");  
 }  
  
 @Override  
 protected void onPostExecute(Void aVoid) {  
 super.onPostExecute(aVoid);  
  
 //display the quote if any  
 if (!quoteString.equals("")) {  
 tv\_fact.setText(quoteString);  
 }  
 }  
 }  
  
 //get json from url  
 private String getJson(String link) {  
 String stream = "";  
 try {  
 URL url = new URL(link);  
 HttpURLConnection urlConnection = (HttpURLConnection) url.openConnection();  
 if (urlConnection.getResponseCode() == HttpURLConnection.*HTTP\_OK*) {  
 BufferedReader r = new BufferedReader(new InputStreamReader(urlConnection.getInputStream(), "utf-8"));  
 StringBuilder sb = new StringBuilder();  
 String line;  
 while ((line = r.readLine()) != null) {  
 sb.append(line);  
 sb.append("\n");  
 }  
 stream = sb.toString();  
 urlConnection.disconnect();  
 }  
 } catch (MalformedURLException e) {  
 e.printStackTrace();  
 } catch (ProtocolException e) {  
 e.printStackTrace();  
 } catch (IOException e) {  
 e.printStackTrace();  
 }  
 return stream;  
 }  
}

Graphical user interface, application, Teams

Description automatically generated