**package** com.example.harish.myspreadsheet;

**import** android.content.Context;

**import** android.os.AsyncTask;

**import** android.os.Bundle;

**import** android.support.v7.app.AppCompatActivity;

**import** android.text.TextUtils;

**import** android.view.View;

**import** android.widget.Button;

**import** android.widget.EditText;

**import** android.widget.Toast;

**import** com.squareup.okhttp.MediaType;

**import** com.squareup.okhttp.OkHttpClient;

**import** com.squareup.okhttp.Request;

**import** com.squareup.okhttp.RequestBody;

**import** com.squareup.okhttp.Response;

**import** java.io.IOException;

**import** java.io.UnsupportedEncodingException;

**import** java.net.URLEncoder;

**public class** MainActivity **extends** AppCompatActivity {

**public static final** MediaType ***FORM\_DATA\_TYPE***

= MediaType.*parse*(**"application/x-www-form-urlencoded; charset=utf-8"**);

*//URL derived from form URL*

**public static final** String ***URL***=**"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_/formResponse"**;

*//input element ids found from the live form page*

**public static final** String ***NAME\_KEY***=**"entry\_\_\_\_\_\_\_\_"**;

**public static final** String ***ROLL\_KEY***=**"entry\_\_\_\_\_\_\_\_\_"**;

**private final** Context **context**=**this**;

**private** EditText **name**;

**private** EditText **roll**;

@Override

**protected void** onCreate(Bundle savedInstanceState){

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

*//save the activity in a context variable to be used afterwards*

*//Get references to UI elements in the layout*

Button sendButton = (Button)findViewById(R.id.***submit***);

**name** = (EditText)findViewById(R.id.***name***);

**roll** = (EditText)findViewById(R.id.***roll***);

sendButton.setOnClickListener(**new** View.OnClickListener() {

@Override

**public void** onClick(View v) {

*//Make sure all the fields are filled with values*

**if**(TextUtils.*isEmpty*(**name**.getText().toString()) ||

TextUtils.*isEmpty*(**roll**.getText().toString()) )

{

Toast.*makeText*(**context**,**"All fields are mandatory."**,Toast.***LENGTH\_LONG***).show();

**return**;

}

*//Create an object for PostDataTask AsyncTask*

PostDataTask postDataTask = **new** PostDataTask();

*//execute asynctask*

postDataTask.execute(***URL***,**name**.getText().toString(),

**roll**.getText().toString() );

}

});

}

*//AsyncTask to send data as a http POST request*

**private class** PostDataTask **extends** AsyncTask<String, Void, Boolean> {

@Override

**protected** Boolean doInBackground(String... contactData) {

Boolean result = **true**;

String url = contactData[0];

String name = contactData[1];

String roll = contactData[2];

String postBody=**""**;

**try** {

*//all values must be URL encoded to make sure that special characters like & | ",etc.*

*//do not cause problems*

postBody = ***NAME\_KEY***+**"="**+ URLEncoder.*encode*(name,**"UTF-8"**) +

**"&"**+ ***ROLL\_KEY*** + **"="**+ URLEncoder.*encode*(roll,**"UTF-8"**);

} **catch** (UnsupportedEncodingException ex) {

result=**false**;

}

**try**{

*//Create OkHttpClient for sending request*

OkHttpClient client = **new** OkHttpClient();

*//Create the request body with the help of Media Type*

RequestBody body = RequestBody.*create*(***FORM\_DATA\_TYPE***, postBody);

Request request = **new** Request.Builder()

.url(url)

.post(body)

.build();

*//Send the request*

Response response = client.newCall(request).execute();

}**catch** (IOException exception){

result=**false**;

}

**return** result;

}

@Override

**protected void** onPostExecute(Boolean result){

*//Print Success or failure message accordingly*

Toast.*makeText*(**context**,result?**"Message successfully sent!"**:**"There was some error in sending message. Please try again after some time."**,Toast.***LENGTH\_LONG***).show();

}

}

}