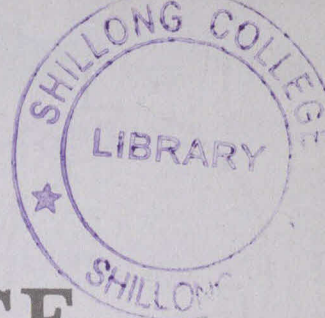




SHILLONG COLLEGE

BOYCE ROAD, LAITUMKHRAH
SHILLONG - 793003, MEGHALAYA



ESTD - 1956

**A PROJECT REPORT SUBMITTED IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS OF THE DEGREE OF BACHELOR OF COMPUTER
SCIENCE AND APPLICATIONS**

Submitted By,

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Roll No : P1400026

Reg.No : 14536 of 2013 - 2014

Under the Guidance of
Sir RANSLY HOOJON
Department of Computer Science And Applications



NORTH EASTERN HILLS UNIVERSITY

CERTIFIED THAT THIS IS A BONAFIDE RECORD OF THE PROJECT

ENTITLED MINI ANGLO-KHASI DICTIONARY

Submitted for the partial fulfillment for the award of degree of
Bachelor of Computer Applications

By,

Student Name : MEBANPYNKHRAW NONGRUM

Roll No : P1400026

Reg.No : 14532 of 2013 - 2014

Project Guide

Sir Ransly Hoojon

Head Of Department

Miss AiomMitri

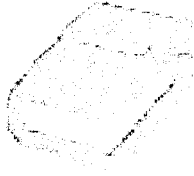
Examiner

Viva Voce held on: _____

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- Synopsis
 - Existing and Proposed System
 - Hardware and Software Requirement
 - Flowchart
 - Source Code with Output
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SYNOPSIS



PROJECT NAME : Mini Anglo-Khasi Dictionary.

OBJECTIVE : Mini Anglo-Khasi Dictionary App will translate English words to its respective Khasi words.

FEATURES :

1. The words used in this application are taken from the CHAPALA'S ANGLO-KHASI DICTIONARY.
2. Allow the user to search the desired words.
3. Store the most commonly used phrase.
4. Store the mostly used foreign words apart from English.

e.g. Aqua(L)-water.

Existing System & Proposed System

EXISTING SYSTEM:

English to Khasi

- Displaying words in simple manner
- Not user friendly User Interface

MY APPLICATION:

Mini Anglo-Khasi Dictionary

- Display words with their part of speech
- Button for copying the word and its meaning
- Store the mostly used foreign words apart from English.
e.g. Aqua(L)-water

Project Requirement:

Hardware::

- RAM (256).
- Processor (Single core and above).
- Space required (Approx 30mb).

Software::

- Programming Language (JAVA).
- SQLite browser for entering the data.
- Sqlite database to store the data in the application.
- Operating System (Android).
- ANDROID VERSION starting 5.0 to 6.0.

ACKNOWLEDGEMENT

First of all, I convey all my thanks to the Great Almighty the author of knowledge and wisdom for his countless love and blessing.

Also, I take my opportunity to thank and show my gratitude to my Guide I.e Sir Ransly Hoojon who always give me a helping hand especially in some most critical situation of my project. He has been there for me when I need most and he plays a major role in the completion of my project .I would also like to thank Mrs. Aiom Mitri , our Head of Department, along with her other colleagues, for her accepting my project topic. It's also a great pleasure to have my friends around me every time who have been suggesting various enhancement to be done on my project as well as supporting me fixing various problems in some of my coding and designing part, so it's an honour to have them on my back and I am very much thankful to them. Also, I'm very grateful to my parents, who are a great supporting role for me especially financially and most importantly for supporting me. Lastly, I take my chance to thank everyone who has been helping in moulding me through these 3 years of my under graduate life to build a better my and being a part for defining my future.



SOURCE CODE

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="acer.minianglokhasidictionary" >

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <activity
            android:name=".MainActivity"
            android:label="@string/app_name" >
        </activity>
        <activity
            android:name=".Splash"
            android:label="@string/app_name" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category
android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity
            android:name=".DictionaryActivity"
            android:label="@string/title_activity_dictionary" >
        </activity>
        <activity
            android:name=".First"
            android:label="@string/app_name" >
        </activity>
        <activity
            android:name=".BasicPhrase"
            android:label="@string/title_activity_basic_phrase" >
        </activity>
        <activity
            android:name=".Foreign"
            android:label="@string/title_activity_foreign" >
        </activity>
        <activity
            android:name=".About"
            android:label="@string/title_activity_about" >
        </activity>
    </application>

</manifest>
```

activity_splash.xml

```
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingBottom="@dimen/activity_vertical_margin"
    tools:context="acer.minianglokhasidictionary.Splash"
    android:background="#515253">

    <LinearLayout
        android:orientation="vertical"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_alignParentBottom="true"
        android:layout_alignParentEnd="true"
        android:weightSum="1"
        android:id="@+id/l111111">

        <TextView
            android:layout_width="fill_parent"
            android:layout_height="wrap_content"
            android:textAppearance="?android:attr/textAppearanceLarge"
            android:id="@+id/textView15"
            android:layout_weight="0.07" />

        <TextView
            android:layout_width="fill_parent"
            android:textAppearance="?android:attr/textAppearanceLarge"
            android:text="Mini Anglo-Khasi Dictionary"
            android:id="@+id/textView2"
            android:layout_gravity="center_horizontal"
            android:layout_weight="0.17"
            android:textColor="#fff65e"
            android:textStyle="bold"
            android:textSize="38dp" />

        <ImageButton
            android:layout_width="111dp"
            android:layout_height="wrap_content"
            android:id="@+id/imageButton5"
            android:background="@drawable/but"
            android:layout_gravity="center_horizontal"
            android:layout_weight="0.15" />
```



```

<TextView
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:textAppearance="?android:attr/textAppearanceLarge"
    android:text="by: Mebanpynkhrav Nongrum"
    android:id="@+id/textView3"
    android:layout_gravity="center_horizontal"
    android:layout_weight="0.22"
    android:textColor="#f2ff76"
    android:gravity="bottom|right" />    </LinearLayout>
</RelativeLayout>

```

activity_first.xml

```

<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingBottom="@dimen/activity_vertical_margin"
    tools:context="acer.minianglokhasidictionary.First"
    android:background="#575757">

    <LinearLayout
        android:orientation="vertical"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_centerHorizontal="true"
        android:layout_alignParentTop="true"
        android:weightSum="1"
        android:id="@+id/li000">

        <TextView
            android:layout_width="fill_parent"
            android:layout_height="66dp"

            android:textAppearance="?android:attr/textAppearanceLarge"
            android:id="@+id/textView5"
            android:layout_gravity="center_horizontal" />

        <Button
            android:layout_width="fill_parent"
            android:layout_height="60dp"
            android:background="@drawable/button"
            android:text=" Mini Anglo Khasi Dictionary"

```

```
    android:textSize="20sp"
    android:textColor="#FFFFFF"
    android:id="@+id/button1"
    android:layout_gravity="center_horizontal"
    android:layout_weight="0.16"
    android:typeface="monospace"
/>
```

```
<TextView
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
```

```
android:textAppearance="?android:attr/textAppearanceLarge"
    android:id="@+id/textView13" />
```

```
<Button
```

```
    android:layout_width="fill_parent"
    android:layout_height="60dp"
    android:id="@+id/button2"
    android:background="@drawable/button2"
    android:layout_gravity="center_horizontal"
    android:layout_weight="0.16"
    android:text="Foreign Words Used In English
```

Language"

```
    android:typeface="monospace"
    android:textSize="20sp"
    android:textColor="#FFFFFF"
```

```
/>
```

```
<TextView
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
```

```
android:textAppearance="?android:attr/textAppearanceLarge"
    android:id="@+id/textView14" />
```

```
<Button
```

```
    android:layout_width="fill_parent"
    android:layout_height="60dp"
    android:text="Basic phrases"
    android:background="@drawable/button3"
    android:id="@+id/button3"
    android:layout_gravity="center_horizontal"
    android:layout_weight="0.16"
    android:typeface="monospace"
```

```

        android:textSize="20sp"
        android:textColor="#FFFFFF"

    />

    <TextView
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"

        android:textAppearance="?android:attr/textAppearanceLarge"
        android:id="@+id/textView9"
        android:layout_weight="0.21" />

    <LinearLayout
        android:orientation="horizontal"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="0.16">

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"

            android:textAppearance="?android:attr/textAppearanceLarge"
            android:id="@+id/textView8"
            android:layout_weight="0.04" />

        <Button
            android:layout_width="60dp"
            android:layout_height="60dp"
            android:text="EXIT"
            android:id="@+id/button4"
            android:typeface="monospace"
            android:background="@drawable/exit"/>
    </LinearLayout>

</LinearLayout>

</RelativeLayout>

```

activity_main.xml

```

<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="@dimen/activity_horizontal_margin"

```

```
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingBottom="@dimen/activity_vertical_margin"
tools:context=".MainActivity"
    android:background="#575757">
```

```
<LinearLayout
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_alignParentBottom="true"
    android:layout_alignParentStart="true">
```

```
<LinearLayout
    android:orientation="horizontal"
    android:layout_width="match_parent"
    android:layout_height="wrap_content">
```

```
<ImageButton
    android:layout_width="58dp"
    android:layout_height="58dp"
    android:id="@+id/imageButton4"
    android:background="@drawable/but" />
```

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="fill_parent"
```

```
    android:textAppearance="?android:attr/textAppearanceLarge"
    android:text="    "
    android:id="@+id/textView10" />
```

```
<EditText
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/et"
    android:textColor="#ffffff"
    android:hint="Enter the word to search for"
    android:textColorHint="#ffffff"
    android:textSize="20sp" />
```

```
</LinearLayout>
```

```
<ListView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/lv"
    android:background="#d0cfc9" />
```



```
</LinearLayout>
</RelativeLayout>
```

activity_dictionary.xml

```
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingBottom="@dimen/activity_vertical_margin"

    tools:context="acer.minianglokhassidictionary.DictionaryActivity"
    android:background="#575757">

    <LinearLayout
        android:orientation="vertical"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_centerHorizontal="true"
        android:layout_alignParentTop="true"
        android:weightSum="1">

        <LinearLayout
            android:orientation="horizontal"
            android:layout_width="match_parent"
            android:layout_height="wrap_content">

            <ImageButton
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:id="@+id/imageButton3"
                android:background="@drawable/but"
                android:padding="1dp"
            />

            <TextView
                android:layout_width="30dp"
                android:layout_height="wrap_content"

                android:textAppearance="?android:attr/textAppearanceLarge"
                android:id="@+id/textView"
                android:text=" " />
```

```

        <TextView
            android:layout_width="fill_parent"
            android:layout_height="59dp"

android:textAppearance="?android:attr/textAppearanceLarge"
            android:id="@+id/tv1"
            android:textColor="#ffffff" />
    </LinearLayout>

    <TextView
        android:layout_width="fill_parent"
        android:layout_height="wrap_content"

android:textAppearance="?android:attr/textAppearanceLarge"
        android:id="@+id/textView4"
        android:layout_gravity="center_horizontal" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="327dp"

android:textAppearance="?android:attr/textAppearanceLarge"
        android:id="@+id/tv2"
        android:layout_gravity="center_horizontal"
        android:textColor="#ffffff" />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="60dp"
        android:text="Copy Text"
        android:id="@+id/b34"
        android:background="@drawable/exit"
        android:layout_gravity="center_horizontal" />

</LinearLayout>
</RelativeLayout>

```

activity_basic_phrase.xml

```

<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"

```



```

    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingBottom="@dimen/activity_vertical_margin"
    tools:context="acer.minianglokhadictionary.BasicPhrase"
    android:background="#575757">

    <LinearLayout
        android:orientation="vertical"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_alignParentBottom="true"
        android:layout_alignParentStart="true">

        <LinearLayout
            android:orientation="horizontal"
            android:layout_width="match_parent"
            android:layout_height="wrap_content">

            <ImageButton
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:id="@+id/imageButton2"
                android:background="@drawable/but" />

            <TextView
                android:layout_width="wrap_content"
                android:layout_height="match_parent"

                android:textAppearance="?android:attr/textAppearanceLarge"
                android:text="Basic Phrase:"
                android:id="@+id/textView6"
                android:textColor="#ffffff"
                android:textSize="30sp" />
            </LinearLayout>

            <ListView
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:id="@+id/lv2"
                android:background="#d0cfc7" />
        </LinearLayout>
    </RelativeLayout>

```

activity_foreign.xml

```

<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"

```

```

    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingBottom="@dimen/activity_vertical_margin"
    tools:context="acer.minianglokhasidictionary.BasicPhrase"
    android:background="#575757">

```

```

<LinearLayout

```

```

    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_alignParentBottom="true"
    android:layout_alignParentStart="true">

```

```

    <LinearLayout

```

```

        android:orientation="horizontal"
        android:layout_width="match_parent"
        android:layout_height="wrap_content">

```

```

            <ImageButton

```

```

                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:id="@+id/imageButton2"
                android:background="@drawable/but" />

```

```

            <TextView

```

```

                android:layout_width="wrap_content"
                android:layout_height="match_parent"

```

```

            android:textAppearance="?android:attr/textAppearanceLarge"

```

```

                android:text="Basic Phrase:"
                android:id="@+id/textView6"
                android:textColor="#ffffff"
                android:textSize="30sp" />

```

```

        </LinearLayout>

```

```

    <ListView

```

```

        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/lv2"
        android:background="#d0cfc7" />

```

```

    </LinearLayout>

```

```

</RelativeLayout>

```

activity_about.xml

```
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingBottom="@dimen/activity_vertical_margin"
    tools:context="acer.minianglokhasidictionary.About"
    android:background="#575757">

    <LinearLayout
        android:orientation="vertical"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_alignParentTop="true"
        android:layout_alignParentStart="true">

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"

            android:textAppearance="?android:attr/textAppearanceLarge"
            android:text="About Us:"
            android:id="@+id/textView11"
            android:textColor="#ffffff" />

        <TextView
            android:layout_width="fill_parent"
            android:layout_height="fill_parent"

            android:textAppearance="?android:attr/textAppearanceLarge"
            android:id="@+id/textView12" />
    </LinearLayout>
</RelativeLayout>
```



Splash.java

```
package acer.minianglokhasidictionary;

import android.app.Activity;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;

public class Splash extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_splash);
        Thread t = new Thread() {
            public void run() {
                try {
                    sleep(2000);
                } catch (InterruptedException e) {
                    e.printStackTrace();
                } finally {
                    Intent i = new Intent(Splash.this,
First.class);
                    startActivity(i);
                }
            }
        };
        t.start();
    }
}
```

First.java

```
package acer.minianglokhasidictionary;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.app.AlertDialog;
```

```

import android.content.DialogInterface;

public class First extends AppCompatActivity implements
View.OnClickListener {

    Button b1,b2,b3,b4;

    AlertDialog.Builder alert;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_first);
        b1=(Button)findViewById(R.id.button1);
        b2=(Button)findViewById(R.id.button2);
        b3=(Button)findViewById(R.id.button3);
        b4=(Button)findViewById(R.id.button4);
        b1.setOnClickListener(this);
        b2.setOnClickListener(this);
        b3.setOnClickListener(this);
        b4.setOnClickListener(this);
        if(getIntent().getBooleanExtra("EXIT",false))
        {
            finish();
        }
    }
    public boolean onOptionsItemSelected(MenuItem item) {
        // Handle action bar item clicks here. The action bar will
        // automatically handle clicks on the Home/Up button, so long
        // as you specify a parent activity in AndroidManifest.xml.
        int id = item.getItemId();

        //noinspection SimplifiableIfStatement
        if (id == R.id.ex) {
            Intent i=new Intent(Intent.ACTION_MAIN);
            i.addCategory(i.CATEGORY_HOME);
            i.setFlags(i.FLAG_ACTIVITY_NEW_TASK);
            startActivity(i);
        }
        else if(id==R.id.about){
            Intent j=new Intent(First.this,About.class);
            startActivity(j);
        }

        return super.onOptionsItemSelected(item);
    }

    @Override
    public void onClick(View v) {
        switch (v.getId())
        {

```

```

        case R.id.button1:
            Intent l=new Intent(First.this,MainActivity.class);
            startActivity(l);
            break;
        case R.id.button2:
            Intent e=new Intent(First.this,Foreign.class);
            startActivity(e);
            break;
        case R.id.button3:
            Intent j=new Intent(First.this,BasicPhrase.class);
            startActivity(j);
            break;
        case R.id.button4:
            alert = new AlertDialog.Builder(this);
            alert.setTitle("Mini Anglo-Khasi Dictionary");
            alert.setMessage("Do you want to exit the application?");
            alert.setPositiveButton("Yes", new
DialogInterface.OnClickListener() {
                @Override
                public void onClick(DialogInterface dialog, int which)
            {
                    Intent i=new Intent(Intent.ACTION_MAIN);
                    i.addCategory(i.CATEGORY_HOME);
                    i.setFlags(i.FLAG_ACTIVITY_NEW_TASK);
                    startActivity(i);
                }
            });
            alert.setNegativeButton("No", new
DialogInterface.OnClickListener() {
                @Override
                public void onClick(DialogInterface dialog, int which)
            {
                    dialog.cancel();
                }
            });

            alert.create().show();

        }

    @Override
    public void onBackPressed() {
        alert = new AlertDialog.Builder(this);
        alert.setTitle("Mini Anglo-Khasi Dictionary");
        alert.setMessage("Do you want to exit the application?");
        alert.setPositiveButton("Yes", new
DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog, int which) {
                Intent i=new Intent(Intent.ACTION_MAIN);
                i.addCategory(i.CATEGORY_HOME);
            }
        });
    }

```

```

        i.setFlags(i.FLAG_ACTIVITY_NEW_TASK);
        startActivity(i);
    }
});
alert.setNegativeButton("No", new
DialogInterface.OnClickListener() {
    @Override
    public void onClick(DialogInterface dialog, int which) {
        dialog.cancel();
    }
});

alert.create().show();
}
}

```

MainActivity.java

```

package acer.minianglokhasidictionary;

import android.app.Activity;
import android.content.Context;
import android.content.Intent;
import android.database.Cursor;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.text.Editable;
import android.text.TextWatcher;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.CursorAdapter;
import android.widget.EditText;
import android.widget.ListAdapter;
import android.widget.ListView;
import android.widget.Toast;

import java.util.List;

public class MainActivity extends Activity {

    private EditText filterText;
    private ArrayAdapter<String> listAdapter;
    String st;

    @Override
    protected void onCreate(Bundle savedInstanceState) {

```

```

        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        filterText = (EditText) findViewById(R.id.et);
        final ListView itemList = (ListView)
findViewById(R.id.lv);

        DbBackend dbBackend = new
DbBackend(MainActivity.this);
        String[] terms = dbBackend.dictionaryWords();
        listAdapter = new ArrayAdapter<String>(this,
android.R.layout.simple_list_item_1, android.R.id.text1, terms);

        itemList.setAdapter(listAdapter);
        itemList.setOnItemClickListener(new
AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> parent,
View view, int position, long id) {
                //final String
s=listAdapter.getItem(position);
                if(st!=null) {
                    Toast.makeText(getApplicationContext(),
"Position " + st, Toast.LENGTH_SHORT).show();
                }
                Intent intent = new Intent(MainActivity.this,
DictionaryActivity.class);
                intent.putExtra("DICTIONARY_ID", position);
                startActivity(intent);
            }
        });

        filterText.addTextChangedListener(new TextWatcher() {
            @Override
            public void beforeTextChanged(CharSequence s, int
start, int count, int after) {

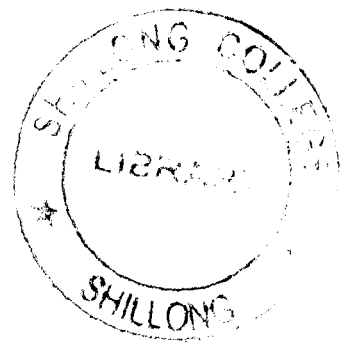
            }

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

MainActivity.this.listAdapter.getFilter().filter(s);
            }

            @Override
            public void afterTextChanged(Editable s) {

```

```
    }  
    }  
}
```

DictionaryActivity.java

```
package acer.minianglokhasidictionary;  
  
import android.app.Activity;  
import android.content.ClipData;  
import android.content.ClipboardManager;  
import android.content.Intent;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class DictionaryActivity extends Activity implements  
View.OnClickListener {  
  
    private TextView wordMeaning;  
    private TextView word;  
    Button b;  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_dictionary);  
        Intent intent = getIntent();  
        Bundle bundle = intent.getExtras();  
        int dictionaryId = bundle.getInt("DICTIONARY_ID");  
        int id = dictionaryId + 1;  
        word = (TextView)findViewById(R.id.tv1);  
  
        wordMeaning = (TextView) findViewById(R.id.tv2);  
  
        DbBackend dbBackend = new DbBackend(DictionaryActivity.this);  
        QuizObject allQuizQuestions = dbBackend.getQuizById(id);  
  
        word.setText(allQuizQuestions.getWord());  
        wordMeaning.setText(allQuizQuestions.getDefinition());  
        b = (Button)findViewById(R.id.b34);  
        b.setOnClickListener(this);  
    }  
  
    public void onClick(View v) {  
        ClipboardManager
```

```

clipboard=(ClipboardManager) getSystemService(CLIPBOARD_SERVICE);
    ClipData clip;
    String Text;
    Text=word.getText().toString();
    Text=Text+" : "+wordMeaning.getText().toString();
    clip=ClipData.newPlainText("text", Text);
    clipboard.setPrimaryClip(clip);
    Toast.makeText(getApplicationContext(), "text
copied", Toast.LENGTH_SHORT).show();
    }
}

```

DbBackend.java

```

package acer.minianglokhasidictionary;

import android.content.Context;
import android.database.Cursor;

import java.util.ArrayList;

public class DbBackend extends DbObject{

    public DbBackend(Context context) {
        super(context);
    }

    public String[] dictionaryWords(){
        String query = "Select * from dictionary";
        Cursor cursor = this.getDbConnection().rawQuery(query, null);
        ArrayList<String> wordTerms = new ArrayList<String>();
        if(cursor.moveToFirst()){
            do{
                String word =
cursor.getString(cursor.getColumnIndexOrThrow("word"));
                wordTerms.add(word);
            }while(cursor.moveToNext());
        }
        cursor.close();
        String[] dictionaryWords = new String[wordTerms.size()];
        dictionaryWords = wordTerms.toArray(dictionaryWords);
        return dictionaryWords;
    }

    public QuizObject getQuizById(int quizId){

        QuizObject quizObject = null;
        String query = "select * from dictionary where __id = " +
quizId;;
        Cursor cursor = this.getDbConnection().rawQuery(query, null);
        if(cursor.moveToFirst()){

```

```

        do{
            String word =
cursor.getString(cursor.getColumnIndexOrThrow("word"));
            String meaning =
cursor.getString(cursor.getColumnIndexOrThrow("meaning"));
            quizObject = new QuizObject(word, meaning);
        }while(cursor.moveToNext());
    }
    cursor.close();
    return quizObject;
}
}

```

DBObject.java

```

package acer.minianglokhasidictionary;

import android.content.Context;
import android.database.sqlite.SQLiteDatabase;

public class DbObject {

    private static DictionaryDatabase dbHelper;
    private SQLiteDatabase db;

    public DbObject(Context context) {
        dbHelper = new DictionaryDatabase(context);
        this.db = dbHelper.getReadableDatabase();
    }

    public SQLiteDatabase getDbConnection(){
        return this.db;
    }

    public void closeDbConnection(){
        if(this.db != null){
            this.db.close();
        }
    }
}

```

DictionaryDatabase.java

```

package acer.minianglokhasidictionary;

import android.content.Context;

import com.readystatesoftware.sqliteasset.SQLiteAssetHelper;

public class DictionaryDatabase extends SQLiteAssetHelper {
    private static final String DATABASE_NAMES="quiz";
    private static final int DATABASE_VERSIONS=5;
    public DictionaryDatabase(Context context)

```

```

    {
        super(context, DATABASE_NAMES, null, DATABASE_VERSIONS);
    }
}

```

Foreign.java

```
package acer.minianglokhassidictionary;
```

```

import android.app.Activity;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.WindowManager;
import android.widget.ArrayAdapter;
import android.widget.ListView;

```

```
public class Foreign extends Activity {
    ListView l;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
        requestWindowFeature(getWindow().FEATURE_NO_TITLE);
        super.onCreate(savedInstanceState);
    }

```

```

getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN,
    WindowManager.LayoutParams.FLAG_FULLSCREEN);
    setContentView(R.layout.activity_foreign);
    l=(ListView)findViewById(R.id.lv4);
    String a[]={"Ad finem (L.), shabakut.","Ad hoc (L.), ba la
pynbeit kyrpang na ka bynta kano kano ka jingthmu.","Ad infinitum
(L.), sha bymjukut.","Ad interim (L.), na ka bynta shipor.","Ad
valorum(L.),kat kum kador.","Agenda (L.), kiei kiei kiba dei ban leh
ne pyndep.","Alias (L.), ka kyrteng ba shu khot.","Anno Christie (L.),
ha kasnem u khrist-A.C.","Annodomini (L.), ha kasnem u trai.","Ante
meridian (L.), shwa ka por shiteng sngi.","Aqua (L.), kaum","A tempo
(It.), ha ka por ba biang.","Au Revoir (Fr.), Khublei haduh ban da
iashem pat","Beati pacifici (L.), suk ki nongpyniasuk","Belles lettres
(Fr.), kijingthoh ba sngewtynnad kynthup iaki peotry, ki jingiathuh
khana puriskam","Benevobis (L.), to koit to khiah.","Bon vovage (L.),
kajingleit ba sngewtynnad.","Bona fide (L.), ha ne da ka
jingshaniah.","Centum (L.), ka shispah","Coup d'eatat (Fr.), ka
jingtangon ne jingialeh pyrshah iaki buit ne rukom pyniaid hima","De
facto (L.), ha ka jingshisha.","Denetu (Fr.), u koidi.","De luxe
(Fr.), bakordor; bahehdor.","Elite (Fr.), ka bynta ba la
jied.","Enbloc (Fr.), tylli kawei; barohlang.","En face (Fr.), ha
khmat.","En route (Fr.), ha ka jingiaid lynti artad.","Et cetera (L.),
bad kumtater-ter; bad kiwei kiwei.","Exempli gratia (L.), kum ka
nuksa.","Exit (L.), u mih shabar","Forum (L.), ka jaka iew.","Gloria

```

```

in excelsis (It.), ka burom sha u Blei ha kiba jrong
tam.", "Gloriaparti (It.), ka burom sha u kpa.", "Hoc loco (L.), ha kane
ka jaka.", "Habeas Corpus (L.), ka jingai jingthoh ia u nongapbyndi ban
seiia u koidi bad ban iathuh iaka daw balei la set iau.", "Idest (L.),
kata ka long - i.e.", "In camera (L.), ha kaba rieh.", "In cognito
(L.), uba iaka kyrteng; kajinglong. etc.. la buhrieh.", "In pace (L.),
ha kajingsuk.", "Liaison (Fr.), ka jingialong kawei.", "Matinee (L.), ka
jingkhawai ne jingleh sngewbha mynsngi.", "Nom de plume (Fr.), ka
kyrteng sin.", "Non licet (L.), ymshah.", "O temporal O mores! (L.), A
kipor ! A kirukom!.", "Oxonia (L.), Oxford-(Oxon).", "Par exemple (Fr.),
kum ka nuksa.", "Per annum (L.), shisnem.", "Per capita (L.), (baniew)
da ki khlieh; baioh mar katjuh.", "Per se (L.), da u hi.", "Poco a poco
(It.), da khyndiat.", "Post mortem (L.), hadien ka jingiap.", "Pro
forma (It.), kat kum kadur.", "Quad erat domanstradum (L.), kaei kaei
kabadei ban da pynshisha-Q.E.D.", "Quaderat faciendum (L.), kabadei ban
da leh-Q.E.F.", "Respondezs'ilvouspliat (Fr.), sngewbha ban da jubab ia
kane ka jingkhohot sngewbha-R.S.V.P.", "Resquiescat in pace (L.),
thiahsuk-R.I.P.", "Salaam aleikum (Arab), long ki jingsuk ia
phi.", "S'ilvous plait (Fr.), lada phi sngewbha.", "Stet (L.), ba kanneh
ne sah kumba ka long.", "Una voce (L.), da kawei ka sur.", "Veni, vidi,
vici (L.), ngalah wan, nga lah iohi, nga lah jop.", "Versus (L.),
pyrshah.", "Via (L.), ka lynti na.", "Vice versa (L.), pynkylla
khongpong.", "Vivat (L.), Viva (It.), Vive (Fr.), im
slem.", "Voxpopulivox Dei (L.), ka ktien u paidbah ka long ka ktien u
Blei."};

```

```

    1.setAdapter(new ArrayAdapter<String>(this,
android.R.layout.simple_list_item_1, a));

```

```

}
}

```

BasicPhrase.java

```

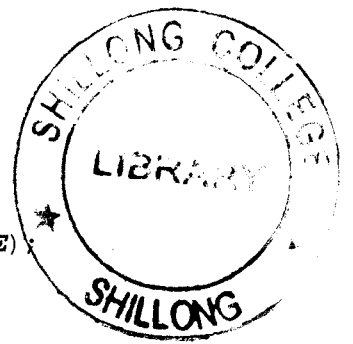
package acer.minianglokhasidictionary;

import android.app.Activity;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.WindowManager;
import android.widget.ArrayAdapter;
import android.widget.ListView;

public class BasicPhrase extends Activity {
    ListView lv;

    @Override
    protected void onCreate(Bundle savedInstanceState)
    {

```



```
requestWindowFeature(getWindow().FEATURE_NO_TITLE);
super.onCreate(savedInstanceState);
```

```
getWindow().setFlags(WindowManager.LayoutParams.FLAG_FULLSCREEN, Window
Manager.LayoutParams.FLAG_FULLSCREEN);
```

```
setContentView(R.layout.activity_basic_phrase);
```

```
lv=(ListView)findViewById(R.id.lv2);
```

```
String[] phrases = { "thank you - khublei", "thank you very
much - khublei shibun", "you are welcome - khublei", "excuse me -
pyllait khyndiat", "pardon me - to map ianga", "i don't understand -
ngam sngewthuh", "i don't speak khasi ? - ngam kren khasi ?",
    "help me - to iaraplem ", "where is the washroom ? -
jakapynjhiejshano ?", "what time is it ? - katno baje ?", "which one ?
- kano ?", "how many ? - katno ngut ne tylli ?", "i understand - nga
sgewthuh", "i don't know ? - ngamtip ?", "okay - toh", "i don't like
this - ngamimoniakane",
```

```
    "i prefer tea - nga kwah sha", "where do you live ? -
phi sahshano ?", "where are you going ? - phin leit shano ?", "where
is the hotel ? - iingbasa shano ?", "what is it ? - kadei kaei ?",
    "what would you like to do ? - phi kwah ban lehaiu ?", "what would you
like to drink ? - phin dih aiu ?",
```

```
    "when does the bus leave ? - ka bus kamih lano ?",
    "who is it ? - mano ?", "what is you name ? - phi kyrteng kumno ?",
    "how do you say ? - ong kumno ?", "take me to the station - ialam sha
steshon", "you are beautiful - phi bha briewbha", "happy birthday -
sngi kha basuk",
```

```
    "no smoking - watdih duma", "do you speak khasi - phi
kren ktien khasi", "i don't understand - ngam snewgthuh", "how are you
- kumno phi long", "i am going home - ngan leit sha iing", "see you
tomorrow - sa ia kynduh lashai", "how much does it cost - katno ka
dor",
```

```
    "my name is Meban - nga kyrteng u Meban", "i am
staying at - nga sah ha", "merry christmas - Krismas basuk", "happy
new year - Snem Thymmai basuk", "go straight - leit beit", "take left
- leit shakadiang", "take right - leit shakamon", "what is the fare -
katno kabai kali",
```

```
    "i am hungry - nga la thngan", "i need a doctor - nga
donkam u doktor", "what is wrong ? - jia aiu ?", "i have the flu - nga
baiong khlieh", "i have fever - nga don jingshit", "where is the
hospital ? - ka hospital shano ?", "where is this place ? - shaei kane
ka jaka ?",
```

```
    "how far is it ? - katno ka jingjngai ?",
```

```
    "where is the entrance ? - naei ban rung ?", "where is
the exit ? - naei ban mih ?", "where is the taxi stand ? - jaka ieng
taksi shano ?", "i love you - nga ieit ia phi", "i hate you - nga isih
ia phi", "sleep well - thiahsuk", "good luck - don bok ",
```

```
" };
```

```
lv.setAdapter(new ArrayAdapter<String>(this,
```

```

android.R.layout.simple_list_item_1, phrases));
}

```

exit.xml

```

<?xml version="1.0" encoding="utf-8"?>
<shape xmlns:android="http://schemas.android.com/apk/res/android"
    android:shape="oval">
    <corners
        android:radius="14dp"/>
    <gradient android:angle="45"
        android:centerX="35%"
        android:centerColor="#DAA520"
        android:startColor="#DAA520"
        android:endColor="#DAA520"

        android:type="linear"/>
    <padding
        android:left="0dp"
        android:top="0dp"
        android:right="0dp"
        android:bottom="0dp"/>
    <size android:width="60dp"
        android:height="60dp"
    />
    <stroke android:width="3dp"
        android:color="#878787"/>
</shape>

```

Button.xml

```

<?xml version="1.0" encoding="utf-8"?>
<shape xmlns:android="http://schemas.android.com/apk/res/android"
    android:shape="rectangle">
    <corners
        android:radius="14dp"/>
    <gradient android:angle="45"
        android:centerX="35%"
        android:centerColor="#068481"
        android:startColor="#068481"
        android:endColor="#068481"
        android:type="linear"/>
    <padding
        android:left="0dp"
        android:top="0dp"
        android:right="0dp"
        android:bottom="0dp"/>
    <size android:width="270dp"
        android:height="60dp"

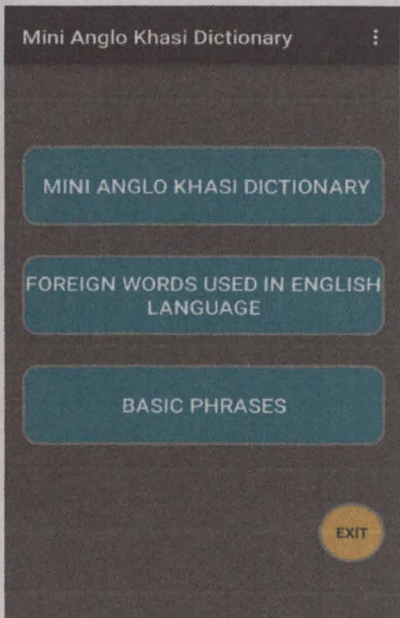
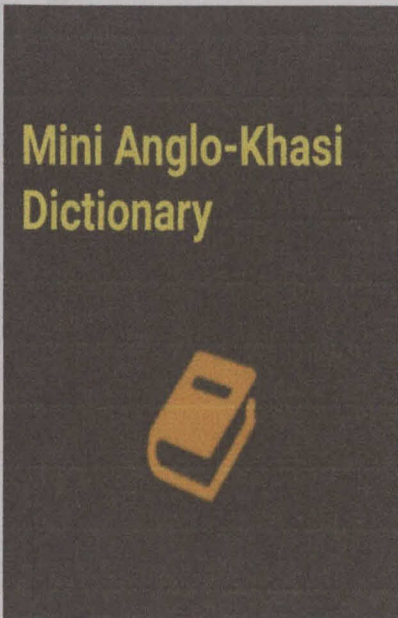
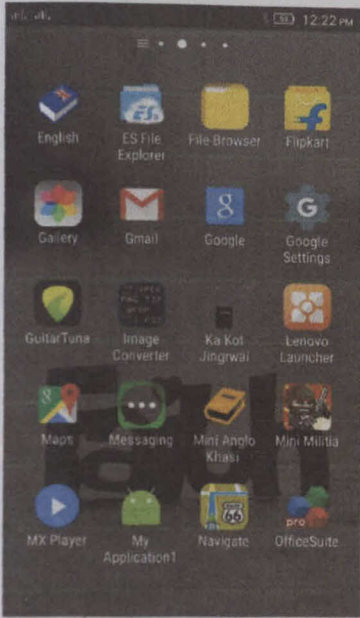
```

```

/>
<stroke android:width="3dp"
        android:color="#878787"/>
</shape>

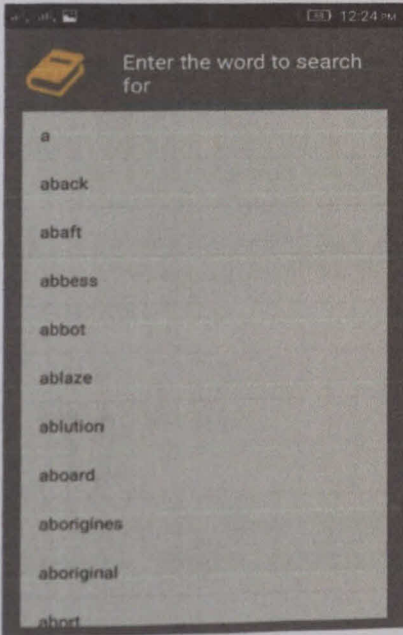
```

USER INTERFACE

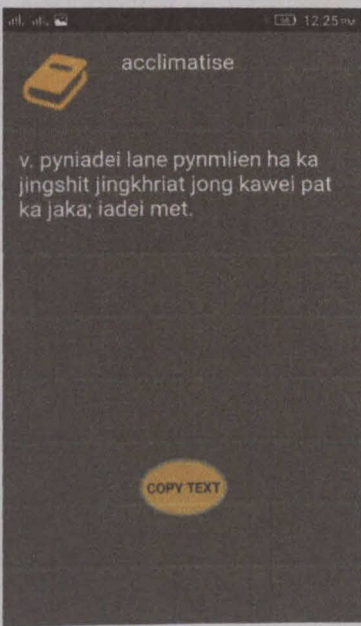


Splash screen

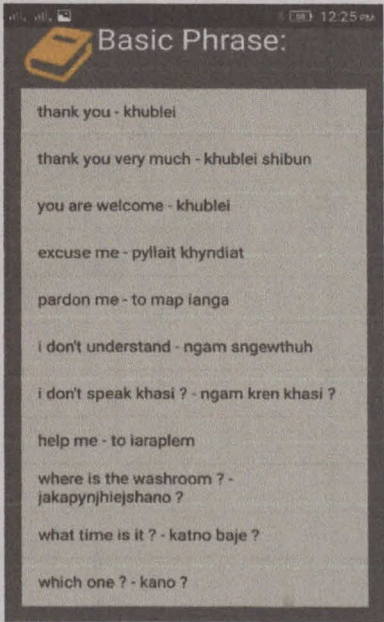
first activity



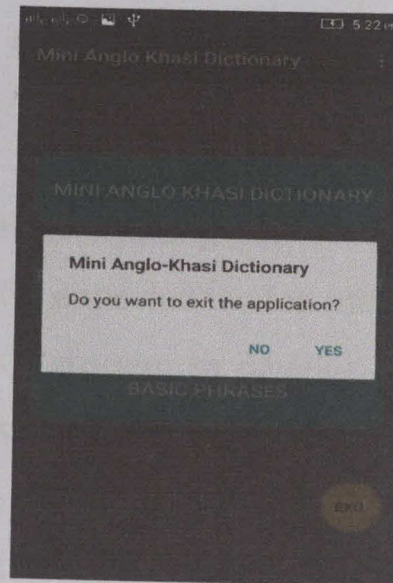
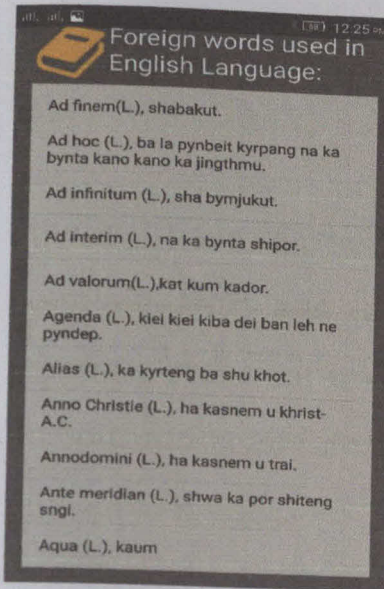
Dictionary activity



dictionary database activity



basic phrase activity



foreign words activity.

dialog box

String.xml

```
<resources>
    <string name="app_name">Mini Anglo Khasi Dictionary</string>

    <string name="hello_world">Hello world!</string>
    <string name="action_settings">Settings</string>
    <string name="title_activity_splash">Splash</string>
    <string
name="title_activity_dictionary">DictionaryActivity</string>
    <string name="title_activity_first">First</string>
    <string name="title_activity_basic_phrase">BasicPhrase</string>
    <string name="title_activity_foreign">Foreign</string>
    <string name="title_activity_about">About</string>
</resources>
```

Style.xml

```
<resources>

    <!-- Base application theme. -->
    <style name="AppTheme"
parent="Theme.AppCompat.Light.DarkActionBar">
        <!-- Customize your theme here. -->
    </style>
</resources>
```

CONCLUSION

Finally ,I have reached the concluding part of my project work and it has been a healthy and fruitful experiences for me. This project may be the stepping stone for me as a student to develop system apps and to keep on continuing and improve my skills in application development ,be it for any environment to run at. Before I started this project, most of the concepts were not clear to me and they are just like looking at alphabets by an illiterate person. But, with the completion of this project, my concepts have improved a lot. My confidence for building applications have been upped and will try my level best to build more and more projects like these in the near future. Hope this project will be a successful as for the part of satisfying user needs and there positive response will even boost up my confidence more.

BIBLIOGRAPHY

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- **stackoverflow.com**
- **androidforums.com**
and some more websites.