SHILLONG COLLEGE

Shillong-793001, Meghalaya

Project on

" Mawphor "

Submitted for the partial fulfilment for the award of the degree of Bachelor of Computer Applications
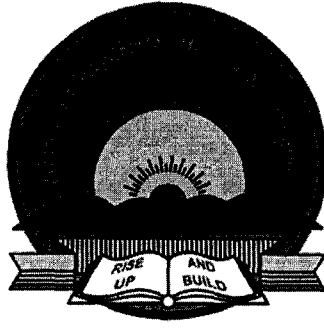
By

Ribait Meki Bareh

Roll No: P1500076

Regn No: 12349 of 2014-15

Department of Computer Science and Applications

Shillong College,Shillong-793001

NORTH EASTERN HILL UNIVERSITY

Certified that this is a bonafide of the project

Entitled

"Mawphor"

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

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By

Ribait Meki Bareh

Roll No: P1500076

Regn No: 12349 of 2014-15

GUIDE	HEAD OF DEPARTMENT	EXAMINER
Shri. Jutang Swer	Mrs.A.Mitri	

Department of Computer Science and Applications

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ACKNOWLEDGEMENT

At every outset I express my gratitude to almighty lord for showering his grace and blessings upon me to complete this project.

Although our name appears on the cover of this book, many people had contributed in some form or the other form to this project Development. I could not done this project without the assistance or support of each of the following I thank you all.

I wish to place on my record my deep sense of gratitude to my project guide, **Shri. JutangSwer, Software Solutions,** for his constant motivation and valuable help through the project work. Express my gratitude to **Mrs. Aiom M. Mitri,** Head of the **Department Computer Sciences and Application,** Shillong Collegefor her valuable suggestions and advices throughout the year course. I also extend my thanks to other Faculties for their Cooperation during my Course.

Finally I would like to thank my friends for their cooperation to complete this project.

<<<<<RibaitMekiBareh>>>>>

ABSTRACT

This Application is to give the news and news updates exclusively in Khasi. Till date there is no any news apps in Khasi.

Preface

Contents

❖ INTRODUCTION

This Mawphor Application is a serial publication containing news about current events, other informative articles about politics, sports, arts, and so on,and advertising.Newspapers are now published online as well as in print. The online versions are called Mawphor or Mawphorwebsites. Newspapers are typically published daily or weekly.

• PURPOSE OF THE APPLICATION

The main purpose of this Mawphor apps are to informed, interpret and entertaint. Mawphor help readers become informed by providing them with facts , statistics and opinion column.

❖ SYSTEM ANALYSIS

• STUDY OF SYSTEM
Till date there is no any khasi news android application.
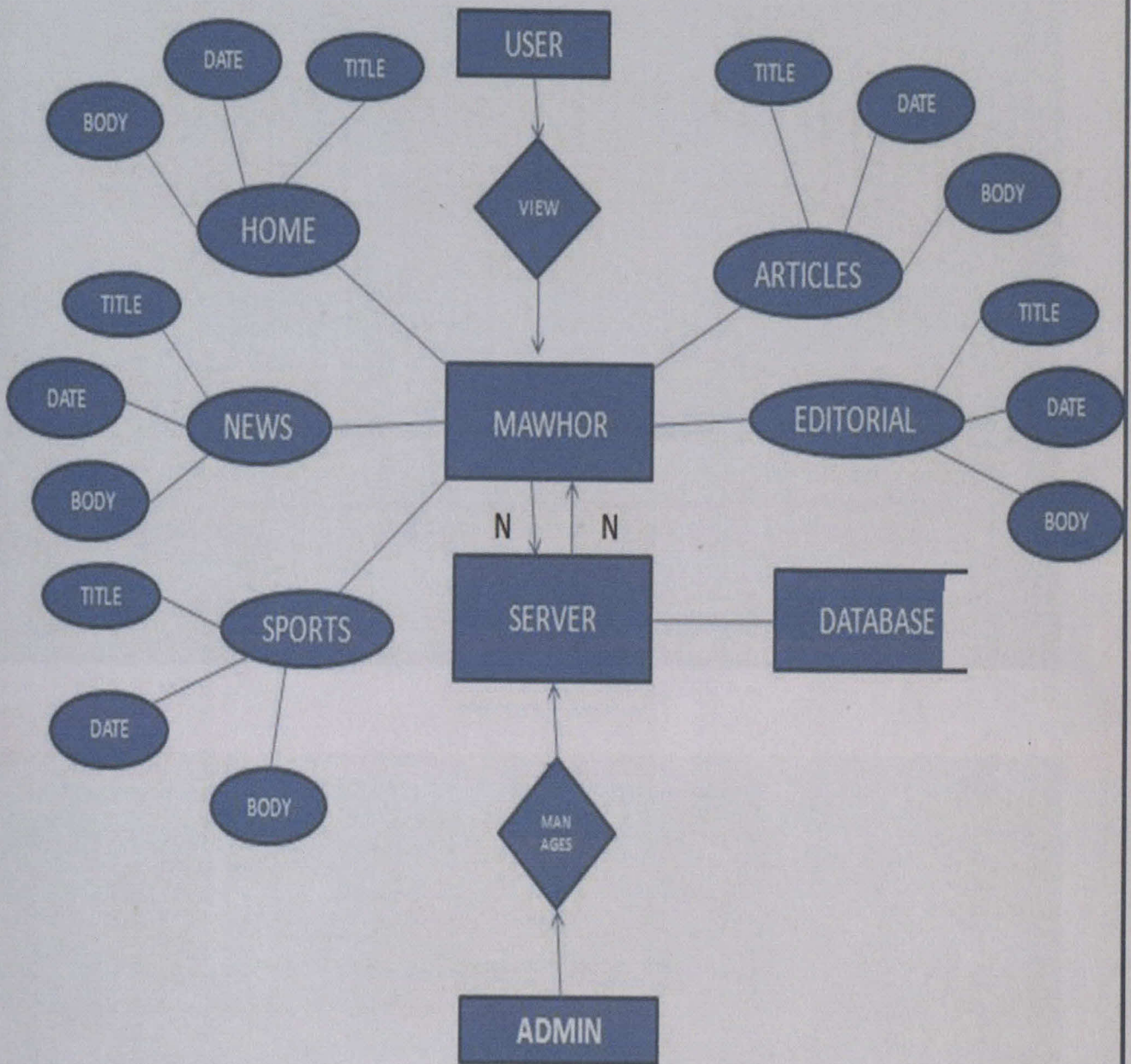
• System requirement

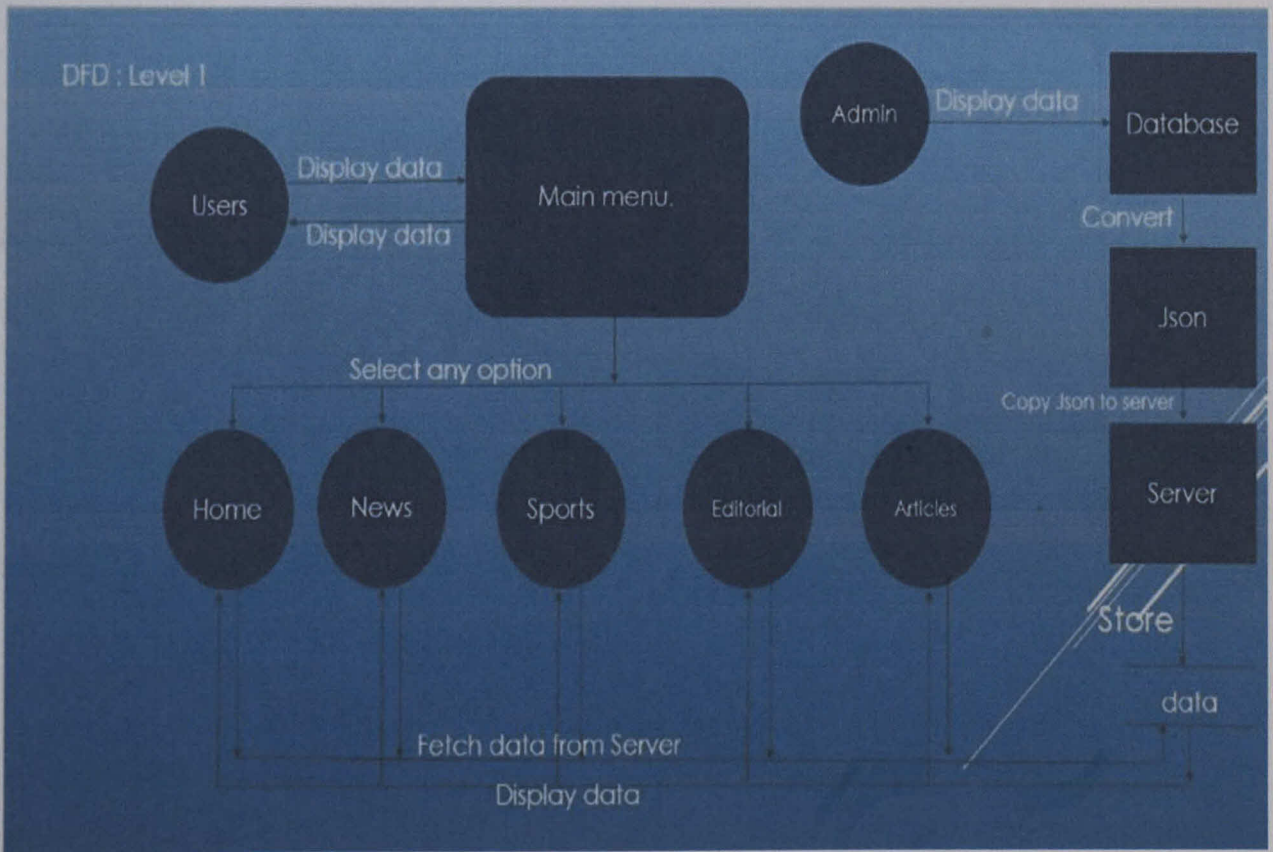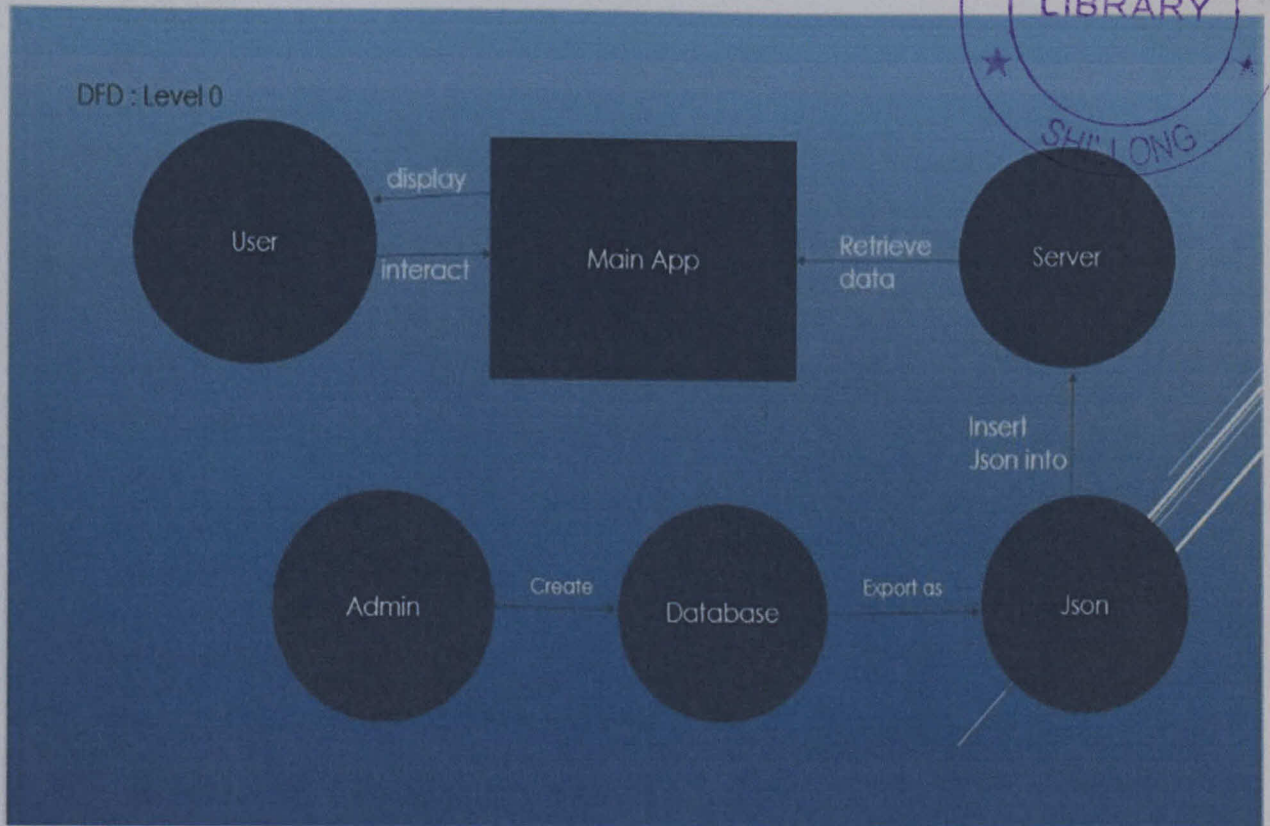**Hardware Requirements:** Android Mobile Phones

Software Requirements:

1. OS – Android 4.1 above (Jelly Bean).

2. RAM – 256MB minimum

3. Storage – 15.17MB

4. System Requirements – Single Core above

ER DIAGRAM

DATA FLOW

DFD : Level 0

User — display → Main App
User — interact → Main App
Main App ← Retrieve data — Server
Server ← Insert Json into — Json
Admin — Create → Database
Database — Export as → Json

DFD : Level 1

Admin — Display data → Database

Users — Display data → Main menu.
Users — Display data → Main menu.

Database — Convert → Json
Json — Copy Json to server → Server
Server — Store → data

Main menu. — Select any option →

Home News Sports Editorial Articles

Fetch data from Server
Display data

❖ **JAVA CODING**

___1.ARTICLES.JAVA

package com.ribait.project.mawphor1;

```java
import android.app.ProgressDialog;

import android.os.AsyncTask;

import android.os.Bundle;

import android.support.v7.app.AppCompatActivity;

import android.support.v7.widget.LinearLayoutManager;

import android.support.v7.widget.RecyclerView;

import android.widget.Toast;


import org.json.JSONArray;

import org.json.JSONException;

import org.json.JSONObject;


import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStream;

import java.io.InputStreamReader;

import java.net.HttpURLConnection;

import java.net.MalformedURLException;

import java.net.URL;

import java.util.ArrayList;

import java.util.List;


/**

* Created by                     14-01-2017.

*/

public class Articles extends AppCompatActivity {
```

```java
// CONNECTION_TIMEOUT and READ_TIMEOUT are in milliseconds

public static final int CONNECTION_TIMEOUT = 10000;

public static final int READ_TIMEOUT = 15000;

private RecyclerView mRVNews;

private RecycleViewAdapter mAdapter;


@Override

protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.recycle_view);

    //Make call to AsyncTask

    new AsyncLogin().execute();

}


private class AsyncLogin extends AsyncTask<String, String, String> {

    ProgressDialog pdLoading = new ProgressDialog(Articles.this);

    HttpURLConnection conn;

    URL url = null;


    @Override

    protected void onPreExecute() {

        super.onPreExecute();


        //this method will be running on UI thread

        pdLoading.setMessage("\tLoading...");

        pdLoading.setCancelable(false);

        pdLoading.show();


    }


    @Override

    protected String doInBackground(String... params) {
```

```java
try {



    // Enter URL address where your json file resides

    // Even you can make call to php file which returns json data

    url = new URL("http://192.168.43.218/mawphor/articles.json");



} catch (MalformedURLException e) {

    // TODO Auto-generated catch block

    e.printStackTrace();

    return e.toString();

}

try {



    // Setup HttpURLConnection class to send and receive data from php and mysql

    conn = (HttpURLConnection) url.openConnection();

    conn.setReadTimeout(READ_TIMEOUT);

    conn.setConnectTimeout(CONNECTION_TIMEOUT);

    conn.setRequestMethod("GET");



    // setDoOutput to true as we recieve data from json file

    conn.setDoOutput(true);



} catch (IOException e1) {

    // TODO Auto-generated catch block

    e1.printStackTrace();

    return e1.toString();

}



try {



    int response_code = conn.getResponseCode();



    // Check if successful connection made
```

```java
        if (response_code == HttpURLConnection.HTTP_OK) {


            // Read data sent from server

            InputStream input = conn.getInputStream();

            BufferedReader reader = new BufferedReader(new InputStreamReader(input));

            StringBuilder result = new StringBuilder();

            String line;


            while ((line = reader.readLine()) != null) {

                result.append(line);

            }


            // Pass data to onPostExecute method

            return (result.toString());


        } else {


            return ("unsuccessful");

        }


    } catch (IOException e) {

        e.printStackTrace();

        return e.toString();

    } finally {

        conn.disconnect();

    }



}



@Override

protected void onPostExecute(String result) {
```

```java
//this method will be running on UI thread


pdLoading.dismiss();

List<Data> data=new ArrayList<>();


pdLoading.dismiss();

try {

    JSONArray jArray = new JSONArray(result);

    // Extract data from json and store into ArrayList as class objects

    for(int i=0;i<jArray.length();i++){

        JSONObject json_data = jArray.getJSONObject(i);

        Data fishData = new Data();

        fishData.title= json_data.getString("title");

        fishData.date= json_data.getString("date");

        fishData.subtitle= json_data.getString("subtitle");

        fishData.body= json_data.getString("body");

        data.add(fishData);

    }


    // Setup and Handover data to recyclerview

    mRVNews = (RecyclerView)findViewById(R.id.recyclelist);

    mAdapter = new RecycleViewAdapter(Articles.this, data);

    mRVNews.setAdapter(mAdapter);

    mRVNews.setLayoutManager(new LinearLayoutManager(Articles.this));

} catch (JSONException e) {

    Toast.makeText(Articles.this, e.toString(), Toast.LENGTH_LONG).show();

    e.printStackTrace();

}

    }


}


}
```

2.HOME.JAVA

package com.ribait.project.mawphor1;

import android.app.ProgressDialog;

import android.os.AsyncTask;

import android.os.Bundle;

import android.support.v7.app.AppCompatActivity;

import android.support.v7.widget.LinearLayoutManager;

import android.support.v7.widget.RecyclerView;

import android.widget.Toast;

import org.json.JSONArray;

import org.json.JSONException;

import org.json.JSONObject;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStream;

import java.io.InputStreamReader;

import java.net.HttpURLConnection;

import java.net.MalformedURLException;

import java.net.URL;

import java.util.ArrayList;

import java.util.List;

```
/**
 *
 */
public class Home extends AppCompatActivity {

    // CONNECTION_TIMEOUT and READ_TIMEOUT are in milliseconds
    public static final int CONNECTION_TIMEOUT = 10000;

    public static final int READ_TIMEOUT = 15000;
```

```java
private RecyclerView mRVNews;

private RecycleViewAdapter mAdapter;


@Override

protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.recycle_view);

    //Make call to AsyncTask

    new AsyncLogin().execute();

}


private class AsyncLogin extends AsyncTask<String, String, String> {

    ProgressDialog pdLoading = new ProgressDialog(Home.this);

    HttpURLConnection conn;

    URL url = null;


    @Override

    protected void onPreExecute() {

        super.onPreExecute();


        //this method will be running on UI thread

        pdLoading.setMessage("\tLoading...");

        pdLoading.setCancelable(false);

        pdLoading.show();


    }


    @Override

    protected String doInBackground(String... params) {

        try {


            // Enter URL address where your json file resides

            // Even you can make call to php file which returns json data
```

```java
    url = new URL("http://192.168.43.218/mawphor/home.json");


} catch (MalformedURLException e) {

    // TODO Auto-generated catch block

    e.printStackTrace();

    return e.toString();

}

try {


    // Setup HttpURLConnection class to send and receive data from php and mysql

    conn = (HttpURLConnection) url.openConnection();

    conn.setReadTimeout(READ_TIMEOUT);

    conn.setConnectTimeout(CONNECTION_TIMEOUT);

    conn.setRequestMethod("GET");


    // setDoOutput to true as we recieve data from json file

    conn.setDoOutput(true);


} catch (IOException e1) {

    // TODO Auto-generated catch block

    e1.printStackTrace();

    return e1.toString();

}


try {


    int response_code = conn.getResponseCode();


    // Check if successful connection made

    if (response_code == HttpURLConnection.HTTP_OK) {


        // Read data sent from server

        InputStream input = conn.getInputStream();
```

```java
        BufferedReader reader = new BufferedReader(new InputStreamReader(input));

        StringBuilder result = new StringBuilder();

        String line;


        while ((line = reader.readLine()) != null) {

            result.append(line);

        }


        // Pass data to onPostExecute method

        return (result.toString());


    } else {


        return ("unsuccessful");

    }


} catch (IOException e) {

    e.printStackTrace();

    return e.toString();

} finally {

    conn.disconnect();

}



}


@Override

protected void onPostExecute(String result) {


    //this method will be running on UI thread


    pdLoading.dismiss();

    List<Data> data=new ArrayList<>();
```

```java
pdLoading.dismiss();

try {


    JSONArray jArray = new JSONArray(result);


    // Extract data from json and store into ArrayList as class objects

    for(int i=0;i<jArray.length();i++){

        JSONObject json_data = jArray.getJSONObject(i);

        Data fishData = new Data();

        fishData.title= json_data.getString("title");

        fishData.date= json_data.getString("date");

        fishData.subtitle= json_data.getString("subtitle");

        fishData.body= json_data.getString("body");

        data.add(fishData);

    }


    // Setup and Handover data to recyclerview

    mRVNews = (RecyclerView)findViewById(R.id.recyclelist);

    mAdapter = new RecycleViewAdapter(Home.this, data);

    mRVNews.setAdapter(mAdapter);

    mRVNews.setLayoutManager(new LinearLayoutManager(Home.this));


} catch (JSONException e) {

    Toast.makeText(Home.this, e.toString(), Toast.LENGTH_LONG).show();

    e.printStackTrace();

}


}

}
}
```

3.NEWS.JAVA

package com.ribait.project.mawphor1;

import android.app.ProgressDialog;

import android.os.AsyncTask;

import android.os.Bundle;

import android.support.v7.app.AppCompatActivity;

import android.support.v7.widget.LinearLayoutManager;

import android.support.v7.widget.RecyclerView;

import android.widget.Toast;

import org.json.JSONArray;

import org.json.JSONException;

import org.json.JSONObject;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStream;

import java.io.InputStreamReader;

import java.net.HttpURLConnection;

import java.net.MalformedURLException;

import java.net.URL;

import java.util.ArrayList;

import java.util.List;

/**

* ~~Created by~~ ~~Jhan~~ ~~on 11-04-2017~~.

*/

public class News extends AppCompatActivity {

    // CONNECTION_TIMEOUT and READ_TIMEOUT are in milliseconds

    public static final int CONNECTION_TIMEOUT = 10000;

```java
public static final int READ_TIMEOUT = 15000;

private RecyclerView mRVNews;

private RecycleViewAdapter mAdapter;


@Override

protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.recycle_view);

    //Make call to AsyncTask

    new AsyncLogin().execute();

}


private class AsyncLogin extends AsyncTask<String, String, String> {

    ProgressDialog pdLoading = new ProgressDialog(News.this);

    HttpURLConnection conn;

    URL url = null;


    @Override

    protected void onPreExecute() {

        super.onPreExecute();


        //this method will be running on UI thread

        pdLoading.setMessage("\tLoading...");

        pdLoading.setCancelable(false);

        pdLoading.show();


    }


    @Override

    protected String doInBackground(String... params) {

        try {


            // Enter URL address where your json file resides
```

```java
        // Even you can make call to php file which returns json data

        url = new URL("http://192.168.43.218/mawphor/news.json");


    } catch (MalformedURLException e) {

        // TODO Auto-generated catch block

        e.printStackTrace();

        return e.toString();

    }

    try {


        // Setup HttpURLConnection class to send and receive data from php and mysql

        conn = (HttpURLConnection) url.openConnection();

        conn.setReadTimeout(READ_TIMEOUT);

        conn.setConnectTimeout(CONNECTION_TIMEOUT);

        conn.setRequestMethod("GET");


        // setDoOutput to true as we recieve data from json file

        conn.setDoOutput(true);


    } catch (IOException e1) {

        // TODO Auto-generated catch block

        e1.printStackTrace();

        return e1.toString();

    }


    try {


        int response_code = conn.getResponseCode();


        // Check if successful connection made

        if (response_code == HttpURLConnection.HTTP_OK) {


            // Read data sent from server
```

```java
            InputStream input = conn.getInputStream();

            BufferedReader reader = new BufferedReader(new InputStreamReader(input));

            StringBuilder result = new StringBuilder();

            String line;


            while ((line = reader.readLine()) != null) {

                result.append(line);

            }


            // Pass data to onPostExecute method

            return (result.toString());


        } else {


            return ("unsuccessful");

        }


    } catch (IOException e) {

        e.printStackTrace();

        return e.toString();

    } finally {

        conn.disconnect();

    }



}



@Override

protected void onPostExecute(String result) {


    //this method will be running on UI thread


    pdLoading.dismiss();
```

```java
    List<Data> data=new ArrayList<>();


    pdLoading.dismiss();

    try {


        JSONArray jArray = new JSONArray(result);


        // Extract data from json and store into ArrayList as class objects
        for(int i=0;i<jArray.length();i++){

            JSONObject json_data = jArray.getJSONObject(i);

            Data fishData = new Data();

            fishData.title= json_data.getString("title");

            fishData.date= json_data.getString("date");

            fishData.subtitle= json_data.getString("subtitle");

            fishData.body= json_data.getString("body");

            data.add(fishData);

        }


        // Setup and Handover data to recyclerview
        mRVNews = (RecyclerView)findViewById(R.id.recyclelist);

        mAdapter = new RecycleViewAdapter(News.this, data);

        mRVNews.setAdapter(mAdapter);

        mRVNews.setLayoutManager(new LinearLayoutManager(News.this));


    } catch (JSONException e) {

        Toast.makeText(News.this, e.toString(), Toast.LENGTH_LONG).show();

        e.printStackTrace();

    }



    }



    }

}
```

4.DATA.JAVA

package com.ribait.project.mawphor1;

/**

* Created by shamon on 14-04-2017.

*/

public class Data {

    public String title;

    public String date;

    public String subtitle;

    public String body;

}

5.SPORTS.JAVA

package com.ribait.project.mawphor1;

import android.app.ProgressDialog;

import android.os.AsyncTask;

import android.os.Bundle;

import android.support.v7.app.AppCompatActivity;

import android.support.v7.widget.LinearLayoutManager;

import android.support.v7.widget.RecyclerView;

import android.widget.Toast;

import org.json.JSONArray;

import org.json.JSONException;

import org.json.JSONObject;

import java.io.BufferedReader;

```java
import java.io.IOException;

import java.io.InputStream;

import java.io.InputStreamReader;

import java.net.HttpURLConnection;

import java.net.MalformedURLException;

import java.net.URL;

import java.util.ArrayList;

import java.util.List;


/**

 * Created by shreon on 14-01-2017.

 */

public class Sports extends AppCompatActivity {


    // CONNECTION_TIMEOUT and READ_TIMEOUT are in milliseconds

    public static final int CONNECTION_TIMEOUT = 10000;

    public static final int READ_TIMEOUT = 15000;

    private RecyclerView mRVNews;

    private RecycleViewAdapter mAdapter;


    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.recycle_view);

        //Make call to AsyncTask

        new AsyncLogin().execute();

    }


    private class AsyncLogin extends AsyncTask<String, String, String> {

        ProgressDialog pdLoading = new ProgressDialog(Sports.this);

        HttpURLConnection conn;

        URL url = null;
```

```java
@Override
protected void onPreExecute() {

    super.onPreExecute();


    //this method will be running on UI thread

    pdLoading.setMessage("\tLoading...");

    pdLoading.setCancelable(false);

    pdLoading.show();


}


@Override
protected String doInBackground(String... params) {

    try {


        // Enter URL address where your json file resides

        // Even you can make call to php file which returns json data

        url = new URL("http://192.168.43.218/mawphor/sports.json");


    } catch (MalformedURLException e) {

        // TODO Auto-generated catch block

        e.printStackTrace();

        return e.toString();

    }

    try {


        // Setup HttpURLConnection class to send and receive data from php and mysql

        conn = (HttpURLConnection) url.openConnection();

        conn.setReadTimeout(READ_TIMEOUT);

        conn.setConnectTimeout(CONNECTION_TIMEOUT);

        conn.setRequestMethod("GET");


        // setDoOutput to true as we recieve data from json file
```

```java
        conn.setDoOutput(true);


} catch (IOException e1) {

    // TODO Auto-generated catch block

    e1.printStackTrace();

    return e1.toString();

}



try {


    int response_code = conn.getResponseCode();


    // Check if successful connection made

    if (response_code == HttpURLConnection.HTTP_OK) {


        // Read data sent from server

        InputStream input = conn.getInputStream();

        BufferedReader reader = new BufferedReader(new InputStreamReader(input));

        StringBuilder result = new StringBuilder();

        String line;


        while ((line = reader.readLine()) != null) {

            result.append(line);

        }


        // Pass data to onPostExecute method

        return (result.toString());


    } else {


        return ("unsuccessful");

    }
```

```java
        } catch (IOException e) {

            e.printStackTrace();

            return e.toString();

        } finally {

            conn.disconnect();

        }



    }



    @Override

    protected void onPostExecute(String result) {



        //this method will be running on UI thread



        pdLoading.dismiss();

        List<Data> data=new ArrayList<>();



        pdLoading.dismiss();

        try {



            JSONArray jArray = new JSONArray(result);



            // Extract data from json and store into ArrayList as class objects

            for(int i=0;i<jArray.length();i++){

                JSONObject json_data = jArray.getJSONObject(i);

                Data fishData = new Data();

                fishData.title= json_data.getString("title");

                fishData.date= json_data.getString("date");

                fishData.subtitle= json_data.getString("subtitle");

                fishData.body= json_data.getString("body");

                data.add(fishData);

            }
```

```java
        // Setup and Handover data to recyclerview

        mRVNews = (RecyclerView)findViewById(R.id.recyclelist);

        mAdapter = new RecycleViewAdapter(Sports.this, data);

        mRVNews.setAdapter(mAdapter);

        mRVNews.setLayoutManager(new LinearLayoutManager(Sports.this));


        } catch (JSONException e) {

        Toast.makeText(Sports.this, e.toString(), Toast.LENGTH_LONG).show();

        e.printStackTrace();

        }


    }


    }

}
```

6.EDITORIAL.JAVA

```java
package com.ribait.project.mawphor1;


import android.app.ProgressDialog;

import android.os.AsyncTask;

import android.os.Bundle;

import android.support.v7.app.AppCompatActivity;

import android.support.v7.widget.LinearLayoutManager;

import android.support.v7.widget.RecyclerView;

import android.widget.Toast;


import org.json.JSONArray;

import org.json.JSONException;

import org.json.JSONObject;
```

```java
import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStream;

import java.io.InputStreamReader;

import java.net.HttpURLConnection;

import java.net.MalformedURLException;

import java.net.URL;

import java.util.ArrayList;

import java.util.List;



/**

* Created by ~~shmmua on 14-01-2017~~.

*/

public class Editorial extends AppCompatActivity {



    // CONNECTION_TIMEOUT and READ_TIMEOUT are in milliseconds

    public static final int CONNECTION_TIMEOUT = 10000;

    public static final int READ_TIMEOUT = 15000;

    private RecyclerView mRVNews;

    private RecycleViewAdapter mAdapter;



    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.recycle_view);

        //Make call to AsyncTask

        new AsyncLogin().execute();

    }



    private class AsyncLogin extends AsyncTask<String, String, String> {

        ProgressDialog pdLoading = new ProgressDialog(Editorial.this);

        HttpURLConnection conn;

        URL url = null;
```

```java
@Override
protected void onPreExecute() {

    super.onPreExecute();


    //this method will be running on UI thread

    pdLoading.setMessage("\tLoading...");

    pdLoading.setCancelable(false);

    pdLoading.show();


}


@Override
protected String doInBackground(String... params) {

    try {


        // Enter URL address where your json file resides

        // Even you can make call to php file which returns json data

        url = new URL("http://192.168.43.218/mawphor/editorial.json");


    } catch (MalformedURLException e) {

        // TODO Auto-generated catch block

        e.printStackTrace();

        return e.toString();

    }

    try {


        // Setup HttpURLConnection class to send and receive data from php and mysql

        conn = (HttpURLConnection) url.openConnection();

        conn.setReadTimeout(READ_TIMEOUT);

        conn.setConnectTimeout(CONNECTION_TIMEOUT);

        conn.setRequestMethod("GET");
```

```java
        // setDoOutput to true as we recieve data from json file

        conn.setDoOutput(true);


    } catch (IOException e1) {

        // TODO Auto-generated catch block

        e1.printStackTrace();

        return e1.toString();

    }


    try {


        int response_code = conn.getResponseCode();


        // Check if successful connection made

        if (response_code == HttpURLConnection.HTTP_OK) {


            // Read data sent from server

            InputStream input = conn.getInputStream();

            BufferedReader reader = new BufferedReader(new InputStreamReader(input));

            StringBuilder result = new StringBuilder();

            String line;


            while ((line = reader.readLine()) != null) {

                result.append(line);

            }


            // Pass data to onPostExecute method

            return (result.toString());


        } else {


            return ("unsuccessful");

        }
```

```java
    } catch (IOException e) {

        e.printStackTrace();

        return e.toString();

    } finally {

        conn.disconnect();

    }



}


@Override

protected void onPostExecute(String result) {


    //this method will be running on UI thread


    pdLoading.dismiss();

    List<Data> data=new ArrayList<>();


    pdLoading.dismiss();

    try {


        JSONArray jArray = new JSONArray(result);


        // Extract data from json and store into ArrayList as class objects

        for(int i=0;i<jArray.length();i++){

            JSONObject json_data = jArray.getJSONObject(i);

            Data fishData = new Data();

            fishData.title= json_data.getString("title");

            fishData.date= json_data.getString("date");

            fishData.subtitle= json_data.getString("subtitle");

            fishData.body= json_data.getString("body");

            data.add(fishData);
```

```java
        }


        // Setup and Handover data to recyclerview

        mRVNews = (RecyclerView)findViewById(R.id.recyclelist);

        mAdapter = new RecycleViewAdapter(Editorial.this, data);

        mRVNews.setAdapter(mAdapter);

        mRVNews.setLayoutManager(new LinearLayoutManager(Editorial.this));


    } catch (JSONException e) {

        Toast.makeText(Editorial.this, e.toString(), Toast.LENGTH_LONG).show();

        e.printStackTrace();

    }



    }



}

}
```

7.MAINACTIVITY.JAVA

```java
package com.ribait.project.mawphor1;



import android.content.Intent;

import android.os.Bundle;

import android.support.v7.app.AppCompatActivity;

import android.view.View;

import android.widget.Button;



public class MainActivity extends AppCompatActivity {


    public Button homebut;
```

```java
public void inithome()

{

    homebut=(Button)findViewById(R.id.home);

    homebut.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View view) {

            Intent home = new Intent(MainActivity.this,Home.class);

            startActivity(home);

        }

    });

}


public Button news;


public void initnews()

{

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

    news.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View view) {

            Intent news = new Intent(MainActivity.this,News.class);

            startActivity(news);

        }

    });

}


public Button sports;


public void initsports()

{

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

    sports.setOnClickListener(new View.OnClickListener() {

        @Override
```

```java
        public void onClick(View view) {

            Intent sports = new Intent(MainActivity.this,Sports.class);

            startActivity(sports);

        }

    });

}

public Button editorial;


public void initeditorial()

{

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

    editorial.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View view) {

            Intent editorial = new Intent(MainActivity.this,Editorial.class);

            startActivity(editorial);

        }

    });

}

public Button article;


public void initarticle()

{

    article=(Button)findViewById(R.id.articles);

    article.setOnClickListener(new View.OnClickListener() {

        @Override

        public void onClick(View view) {

            Intent article = new Intent(MainActivity.this,Articles.class);

            startActivity(article);

        }

    });

}
```

```java
@Override
protected void onCreate(Bundle savedInstanceState) {

    super.onCreate(savedInstanceState);

    setContentView(R.layout.activity_main);


    inithome();

    initnews();

    initsports();

    initeditorial();

    initarticle();



}
}
```

8.RECYCLEVIEWADAPTER.JAVA

```java
package com.ribait.project.mawphor1;

/**
 * Created by okmmun on 11-04-2017.
 */
import android.content.Context;
import android.support.v4.content.ContextCompat;
import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;
import java.util.Collections;
import java.util.List;


public class RecycleViewAdapter extends RecyclerView.Adapter<RecyclerView.ViewHolder> {


    private Context context;
    private LayoutInflater inflater;
    List<Data> data= Collections.emptyList();
    Data current;
    int currentPos=0;


    // create constructor to innitilize context and data sent from MainActivity
    public RecycleViewAdapter(Context context, List<Data> data){
        this.context=context;
        inflater= LayoutInflater.from(context);
        this.data=data;
    }
```

```java
// Inflate the layout when viewholder created

@Override

public RecyclerView.ViewHolder onCreateViewHolder(ViewGroup parent, int viewType) {

    View view=inflater.inflate(R.layout.text_views, parent,false);

    MyHolder holder=new MyHolder(view);

    return holder;

}


// Bind data

@Override

public void onBindViewHolder(RecyclerView.ViewHolder holder, int position) {


    // Get current position of item in recyclerview to bind data and assign values from list

    MyHolder myHolder= (MyHolder) holder;

    Data current=data.get(position);

    myHolder.texttitle.setText(current.title);

    myHolder.textdate.setText(current.date);

    myHolder.textsubtitle.setText(current.subtitle);

    myHolder.textbody.setText(current.body);

}


// return total item from List

@Override

public int getItemCount() {

    return data.size();

}



class MyHolder extends RecyclerView.ViewHolder{


    TextView texttitle;

    TextView textdate;

    TextView textsubtitle;
```

```java
        TextView textbody;

        // create constructor to get widget reference
        public MyHolder(View itemView) {

            super(itemView);

            texttitle= (TextView) itemView.findViewById(R.id.title);

            textdate = (TextView) itemView.findViewById(R.id.date);

            textsubtitle = (TextView) itemView.findViewById(R.id.subtitle);

            textbody = (TextView) itemView.findViewById(R.id.body);

        }


    }


}
```

9.SPLASH.JAVA

```java
package com.ribait.project.mawphor1;


/**
 * Created by ShawnZ on 12-04-2017.
 */import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.os.Handler;


public class Splash extends Activity {


    /** Duration of wait **/

    private final int SPLASH_DISPLAY_LENGTH = 2000;


    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.splash);

        /* New Handler to start the Menu-Activity

         * and close this Splash-Screen after some seconds.*/

        new Handler().postDelayed(new Runnable(){

            @Override

            public void run() {

                /* Create an Intent that will start the Menu-Activity. */

                Intent mainIntent = new Intent(Splash.this,MainActivity.class);

                Splash.this.startActivity(mainIntent);

                Splash.this.finish();

            }

        }, SPLASH_DISPLAY_LENGTH);

    }

}
```

1.ACTIVITY_MAIN.XML

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/ribait1"
    xmlns:android="http://schemas.android.com/apk/res/android">

<ScrollView
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent">


    -<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="fill_parent"
    android:paddingBottom="10dp"
    android:paddingTop="10dp"
    android:paddingRight="10dp"
    android:paddingLeft="10dp"
        android:background="#0c1833">

    <Button android:background="@drawable/homebut"
        android:layout_width="match_parent"
        android:layout_height="80dp"
        android:textColor="#ffffff"
        android:id="@+id/home"
        android:layout_marginTop="30dp"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true" />

    <Button android:background="@drawable/news"
        android:layout_width="match_parent"
        android:layout_height="80dp"
        android:textColor="#ffffff"
        android:id="@+id/news"
        android:layout_marginTop="20dp"
        android:layout_below="@+id/home"/>

    <Button android:background="@drawable/sports"
        android:layout_width="match_parent"
        android:layout_height="80dp"
        android:textColor="#ffffff"
        android:id="@+id/sports"
        android:layout_marginTop="20dp"
        android:layout_below="@+id/news"/>

    <Button android:background="@drawable/editorial"
        android:layout_width="match_parent"
        android:layout_height="80dp"
        android:textColor="#ffffff"
        android:id="@+id/editorial"
        android:layout_marginTop="20dp"
        android:layout_below="@+id/sports"/>

    <Button android:background="@drawable/articles"
        android:layout_width="match_parent"
        android:layout_height="80dp"
```

```xml
        android:textColor="#ffffff"
        android:id="@+id/articles"
        android:layout_marginTop="20dp"
        android:layout_below="@+id/editorial"/>

    <TimePicker
        android:layout_width="match_parentt"
        android:layout_height="10dp"
        android:id="@+id/timePicker"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true" />


</RelativeLayout>
</ScrollView>
</RelativeLayout>
```


2.RECYCLE_VIEW.XML
```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
    <android.support.v7.widget.RecyclerView
        android:id="@+id/recyclelist"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:paddingTop="10dp"
        android:layout_weight="1"
        />
</LinearLayout>
```


3.SPLASH.XML
```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent">

    <ImageView android:id="@+id/splashscreen"
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:src="@drawable/ribait"
        android:layout_gravity="center"
        android:background="#FF000000"/>

    <TextView android:layout_width="fill_parent"
        android:layout_height="wrap_content"
        android:text="Hello World, splash"/>

</LinearLayout>
```

4.TEXT_VIEW.XML

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:clickable="true"
    android:orientation="horizontal"
    android:padding="10dp">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textAppearance="?android:attr/textAppearanceMedium"
        android:text="Title"
        android:textSize="20sp"
        android:id="@+id/title"
        android:layout_marginLeft="5dp"
        android:background="#c0151515"
        android:textColor="#fefefe" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textAppearance="?android:attr/textAppearanceSmall"
        android:text="date"
        android:id="@+id/date"
        android:textSize="15sp"
        android:textColor="@color/colorAccent"
        android:layout_below="@+id/title"
        android:layout_marginLeft="5dp"
        android:layout_marginRight="5dp"
        />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textAppearance="?android:attr/textAppearanceSmall"
        android:text="subtitle"
        android:id="@+id/subtitle"
        android:textColor="@color/colorPrimary"
        android:layout_marginLeft="5dp"
        android:layout_below="@id/date"
        android:background="#00ff2b00" />

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textAppearance="?android:attr/textAppearanceSmall"
        android:text="body"
        android:layout_marginLeft="5dp"
        android:id="@+id/body"
        android:layout_below="@id/subtitle"

        android:background="#838ae659"
        android:textColor="#000000" />


</RelativeLayout>
```

5.ANDROIDMANIFEST.XML

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.ribait.project.mawphor1">

    <uses-permission android:name="android.permission.INTERNET"/>

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity"/>

        <activity android:name=".Home"/>
        <activity android:name=".News"/>
        <activity android:name=".Sports"/>
        <activity android:name=".Editorial"/>
        <activity android:name=".Articles"/>

        <activity android:name=".Splash">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>/>
        </activity>
    </application>

</manifest>
```
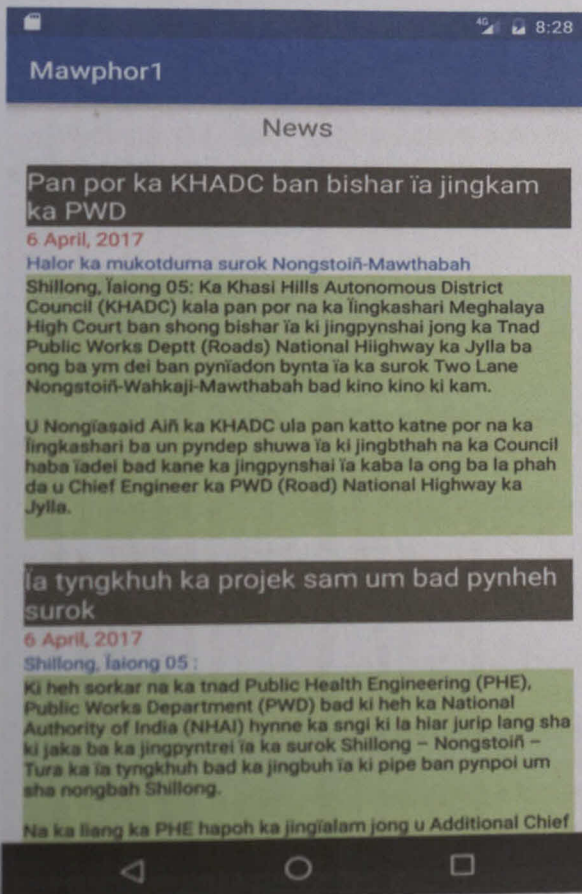
❖ SYSTEM TESTING AND IMPLEMENTATION

❖ Conclusion

It has been a great pleasure for me to work on this exciting and challenging project. This project proved good for me as it provided practical knowledge of not only programming in Andriod Studio Using Java, includes json ,sql database, android application and WAMP Server, but also about all handling procedure related with **"Mawphor"**. It also provides knowledge about the latest technology used in developing enabled application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in developing projects independently.

Advantage:

The project is identified by the merits of the system offered to the user. The merits of this project are as follows: -

* It's an application project.
* This is very helpful for the client to enter the desired information through so much simplicity.
* Data storage and retrieval will become faster and easier to maintain because data is stored in a systematic manner and in a single database.
* Less need of writing for newspapers to be delivered to the people.
* People does not need to wait and buy the newspaper.
* It makes easy for a rural areas to get daily news once they have this application.
* Every one can use this application (Using Android Mobiles Phones).

LIMITATIONS:

* The size of the database increases day-by-day, increasing the load on the database back up and data maintenance activity.
* Training for simple computer operations is necessary for the   users working on the system.

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