```xml
<?xml version="1.0" encoding="utf-8"?>
<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="com.teg.androidphp.MainActivity"

    >

    <EditText
        android:id="@+id/item_et_id"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="57dp"
        android:hint="Masukan Nama Barang..">

        <requestFocus />
    </EditText>

    <Button
        android:id="@+id/button1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_below="@+id/item_et_id"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="23dp"
        android:onClick="insert"
        android:text="Insert" />

    <Button
        android:id="@+id/button2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/button1"
        android:layout_centerVertical="true"
        android:onClick="read"
        android:text="Read" />

</RelativeLayout>
```

```xml
<?xml version="1.0" encoding="utf-8"?>
```

```xml
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    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"
    app:layout_behavior="@string/appbar_scrolling_view_behavior"
    tools:showIn="@layout/activity_main"
    tools:context="com.teg.androidphp.MainActivity">


    <EditText
        android:id="@+id/item_et_id"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="57dp"
        android:ems="10"
        android:hint="Enter Item Name.." >

        <requestFocus />
    </EditText>

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/item_et_id"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="23dp"
        android:text="Insert"
        android:onClick="insert" />

    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/button1"
        android:layout_centerVertical="true"
        android:text="Read"
        android:onClick="read" />

</RelativeLayout>

<?xml version="1.0" encoding="utf-8"?>
```

List_item.xml

```xml
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="10dp">

    <TextView
        android:id="@+id/item_name"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginLeft="10dp"
        android:layout_marginTop="5dp"
        android:textAppearance="?android:attr/textAppearanceLarge"
        android:textColor="#000000" />

    <TextView
        android:id="@+id/item_id"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/item_name"
        android:layout_below="@+id/item_name"
        android:textColor="#000000" />

    <ImageView
        android:id="@+id/imageView1"
        android:layout_width="wrap_content"
        android:layout_height="30dp"
        android:layout_alignParentRight="true"
        android:layout_alignTop="@+id/item_name"
        android:src="@drawable/fwd" />

</RelativeLayout>
```

Read.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<android.support.design.widget.CoordinatorLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:context="com.teg.androidphp.MainActivity">

 <ListView
    android:layout_width="match_parent"
```

```xml
    android:layout_height="match_parent"
    android:id="@+id/listview_01">

 </ListView>


  <android.support.design.widget.FloatingActionButton
    android:id="@+id/fab"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="bottom|end"
    android:layout_margin="@dimen/fab_margin"
    android:src="@android:drawable/ic_input_add"
    android:onClick="addData"/>

  </android.support.design.widget.CoordinatorLayout>
```

Toolbar.xml
```xml
<?xml version="1.0" encoding="utf-8"?>
<android.support.v7.widget.Toolbar
  xmlns:android="http://schemas.android.com/apk/res/android"
  xmlns:app="http://schemas.android.com/apk/res-auto"
  android:id="@+id/toolbar"
  android:layout_width="match_parent"
  android:layout_height="?attr/actionBarSize"
  android:background="?attr/colorPrimary"
  app:popupTheme="@style/AppTheme.PopupOverlay" />
```

update_delete.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="match_parent" >

  <EditText
    android:id="@+id/modify_item_et"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="48dp"
    android:ems="10"
    android:inputType="textPersonName" >

    <requestFocus />
  </EditText>

  <Button
    android:id="@+id/button1"
    android:layout_width="wrap_content"
```

```xml
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/modify_item_et"
        android:layout_below="@+id/modify_item_et"
        android:layout_marginTop="48dp"
        android:text="Update"
        android:onClick="update"
        />

    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBaseline="@+id/button1"
        android:layout_alignBottom="@+id/button1"
        android:layout_alignRight="@+id/modify_item_et"
        android:text="Delete"
        android:onClick="delete"
        />

</RelativeLayout>
```

MyApplication.java

```java
package com.teg.androidphp;

import android.app.Application;
import com.android.volley.Request;
import com.android.volley.RequestQueue;
import com.android.volley.toolbox.Volley;
public class MyApplication extends Application {

    private RequestQueue mRequestQueue;
    private static MyApplication mInstance;

    @Override
    public void onCreate() {
        super.onCreate();
        mInstance = this;
    }

    public static synchronized MyApplication getInstance() {
        return mInstance;
    }

    public RequestQueue getReqQueue() {
        if (mRequestQueue == null) {
            mRequestQueue = Volley.newRequestQueue(getApplicationContext());
        }

        return mRequestQueue;
    }
```

```java
    public <T> void addToReqQueue(Request<T> req, String tag) {

        getReqQueue().add(req);
    }

    public <T> void addToReqQueue(Request<T> req) {

        getReqQueue().add(req);
    }

    public void cancelPendingReq(Object tag) {
        if (mRequestQueue != null) {
            mRequestQueue.cancelAll(tag);
        }
    }
}
```

MainActivity.java

```java
package com.teg.androidphp;

import android.app.ProgressDialog;
import android.content.Intent;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.EditText;

import com.android.volley.Request;
import com.android.volley.Response;
import com.android.volley.VolleyError;
import com.android.volley.toolbox.StringRequest;

import android.widget.Toast;

import java.util.HashMap;
import java.util.Map;

public class MainActivity extends AppCompatActivity {

    String url = "http://10.0.2.2/orders/take_order.php";
    String item_name;
    EditText item_et;
    ProgressDialog PD;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        initViews();
    }
```

```java
    void initViews() {
        item_et = (EditText) findViewById(R.id.item_et_id);

        PD = new ProgressDialog(this);
        PD.setMessage("Loading.....");
        PD.setCancelable(false);
    }


    public void insert(View v) {

        PD.show();
        item_name = item_et.getText().toString();

        StringRequest postRequest = new StringRequest(Request.Method.POST, url,
                new Response.Listener<String>() {
                    @Override
                    public void onResponse(String response) {
                        PD.dismiss();
                        item_et.setText("");
                        Toast.makeText(getApplicationContext(),
                                "Proses insert data berhasil",
                                Toast.LENGTH_SHORT).show();

                    }
                }, new Response.ErrorListener() {
            @Override
            public void onErrorResponse(VolleyError error) {
                PD.dismiss();
                Toast.makeText(getApplicationContext(),
                        "Gagal insert", Toast.LENGTH_SHORT).show();
            }
        }) {
            @Override
            protected Map<String, String> getParams() {
                Map<String, String> params = new HashMap<String, String>();
                params.put("item_name", item_name);
                return params;
            }
        };

        // Adding request to request queue
        MyApplication.getInstance().addToReqQueue(postRequest);
    }

    public void read(View v) {
        Intent read_intent = new Intent(MainActivity.this, ReadData.class);
        startActivity(read_intent);
    }

}
```

```java
package com.teg.androidphp;

import java.util.ArrayList;
import java.util.HashMap;

import org.json.JSONArray;
import org.json.JSONException;
import org.json.JSONObject;

import android.app.ProgressDialog;
import android.content.Intent;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ListAdapter;
import android.widget.ListView;
import android.widget.SimpleAdapter;

import com.android.volley.Request.Method;
import com.android.volley.Response;
import com.android.volley.VolleyError;
import com.android.volley.toolbox.JsonObjectRequest;

public class ReadData extends AppCompatActivity {

    String url = "http://10.0.2.2/orders/read_allorder.php";
    ArrayList<HashMap<String, String>> Item_List;
    ProgressDialog PD;
    ListAdapter adapter;

    ListView listview = null;

    // JSON Node names
    public static final String ITEM_ID = "id";
    public static final String ITEM_NAME = "item";

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        setContentView(R.layout.read);

        listview = (ListView) findViewById(R.id.listview_01);
        Item_List = new ArrayList<HashMap<String, String>>();

        ReadDataFromDB();
    }
```

```java
private void ReadDataFromDB() {
    PD = new ProgressDialog(this);
    PD.setMessage("Loading.....");
    PD.show();

    JsonObjectRequest jreq = new JsonObjectRequest(Method.GET, url,
            new Response.Listener<JSONObject>() {

        @Override
        public void onResponse(JSONObject response) {
            try {
                int success = response.getInt("success");

                if (success == 1) {
                    JSONArray ja = response.getJSONArray("orders");

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

                        JSONObject jobj = ja.getJSONObject(i);
                        HashMap<String, String> item = new HashMap<String, String>();
                        item.put(ITEM_ID, jobj.getString(ITEM_ID));
                        item.put(ITEM_NAME,
                                jobj.getString(ITEM_NAME));

                        Item_List.add(item);

                    } // for loop ends

                    String[] from = {ITEM_ID, ITEM_NAME};
                    int[] to = {R.id.item_id, R.id.item_name};

                    adapter = new SimpleAdapter(
                            getApplicationContext(), Item_List,
                            R.layout.list_items, from, to);

                    listview.setAdapter(adapter);

                    listview.setOnItemClickListener(new ListitemClickListener());

                    PD.dismiss();

                } // if ends

            } catch (JSONException e) {
                e.printStackTrace();
            }

        }
    }, new Response.ErrorListener() {
```

```java
        @Override
        public void onErrorResponse(VolleyError error) {
            PD.dismiss();
        }
    });

    // Adding request to request queue
    MyApplication.getInstance().addToReqQueue(jreq);

}


//On List Item Click move to UpdateDelete Activity
class ListitemClickListener implements ListView.OnItemClickListener {

    @Override
    public void onItemClick(AdapterView<?> parent, View view, int position,
                long id) {

        Intent modify_intent = new Intent(ReadData.this,
            UpdateDeleteData.class);

        modify_intent.putExtra("item", Item_List.get(position));

        startActivity(modify_intent);

    }

}

public void addData(View view) {

    Intent add_intent = new Intent(ReadData.this, MainActivity.class)
        .setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
    startActivity(add_intent);
}
}
```

UpdateDeleteData.java

```java
package com.teg.androidphp;

import java.util.HashMap;
import java.util.Map;

import org.json.JSONException;
import org.json.JSONObject;

import android.app.ProgressDialog;
import android.content.Intent;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
```

```java
import android.view.View;
import android.widget.EditText;
import android.widget.Toast;

import com.android.volley.Request;
import com.android.volley.Response;
import com.android.volley.VolleyError;
import com.android.volley.toolbox.JsonObjectRequest;

public class UpdateDeleteData extends AppCompatActivity {

    EditText item_name_et;
    String id, item_name;

    ProgressDialog PD;

    @Override
    protected void onCreate(Bundle savedInstanceState) {

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

        PD = new ProgressDialog(this);
        PD.setMessage("please wait.....");
        PD.setCancelable(false);

        item_name_et = (EditText) findViewById(R.id.modify_item_et);
        Intent i = getIntent();

        HashMap<String, String> item = (HashMap<String, String>) i
                .getSerializableExtra("item");

        id = item.get(ReadData.ITEM_ID);
        item_name = item.get(ReadData.ITEM_NAME);

        item_name_et.setText(item_name);

    }

    public void update(View view) {
        PD.show();
        item_name = item_name_et.getText().toString();

        String update_url = "http://10.0.2.2/orders/update_item.php";

        Map<String, String> params = new HashMap<String, String>();
        params.put("id", id);
        params.put("item_name",item_name);

        CustomRequest update_request = new CustomRequest(Request.Method.POST, update_url,
params, new Response.Listener<JSONObject>() {
```

```java
        @Override
        public void onResponse(JSONObject response) {

            try{
                int success = response.getInt("success");

                if (success == 1) {
                    PD.dismiss();
                    Toast.makeText(getApplicationContext(),
                            "Updated Successfully",
                            Toast.LENGTH_SHORT).show();
                    // redirect to readdata
                    MoveToReadData();

                } else {
                    PD.dismiss();
                    Toast.makeText(getApplicationContext(),
                            "failed to update", Toast.LENGTH_SHORT)
                            .show();
                }
            }
            catch (Exception e){
                PD.dismiss();
            }

        }
    }, new Response.ErrorListener() {

        @Override
        public void onErrorResponse(VolleyError response) {
            PD.dismiss();
        }
    });


    // Adding request to request queue
    MyApplication.getInstance().addToReqQueue(update_request);
}


public void delete(View view) {
    PD.show();
    String delete_url = "http://10.0.2.2/orders/delete_item.php?id="
            + id;

    JsonObjectRequest delete_request = new JsonObjectRequest(delete_url,
            new Response.Listener<JSONObject>() {

                @Override
                public void onResponse(JSONObject response) {
```

```java
            try {
                int success = response.getInt("success");

                if (success == 1) {
                    PD.dismiss();
                    Toast.makeText(getApplicationContext(),
                        "Deleted Successfully",
                        Toast.LENGTH_SHORT).show();
                    // redirect to readdata
                    MoveToReadData();
                } else {
                    PD.dismiss();
                    Toast.makeText(getApplicationContext(),
                        "failed to delete", Toast.LENGTH_SHORT)
                        .show();
                }

            } catch (JSONException e) {
                e.printStackTrace();
            }

        }
    }, new Response.ErrorListener() {

        @Override
        public void onErrorResponse(VolleyError error) {

        }
    });

    // Adding request to request queue
    MyApplication.getInstance().addToReqQueue(delete_request);

  }

  private void MoveToReadData() {
    Intent read_intent = new Intent(UpdateDeleteData.this, ReadData.class)
        .setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);

    startActivity(read_intent);

  }
}
```

CustomRequest.java

```java
package com.teg.androidphp;


import java.io.UnsupportedEncodingException;
```

```java
import java.util.Map;

import org.json.JSONException;
import org.json.JSONObject;

import com.android.volley.NetworkResponse;
import com.android.volley.ParseError;
import com.android.volley.Request;
import com.android.volley.Response;
import com.android.volley.Response.ErrorListener;
import com.android.volley.Response.Listener;
import com.android.volley.toolbox.HttpHeaderParser;

public class CustomRequest extends Request<JSONObject>{

    private Listener<JSONObject> listener;
    private Map<String, String> params;

    public CustomRequest(String url, Map<String, String> params,
                Listener<JSONObject> reponseListener, ErrorListener errorListener) {
        super(Method.GET, url, errorListener);
        this.listener = reponseListener;
        this.params = params;
    }

    public CustomRequest(int method, String url, Map<String, String> params,
                Listener<JSONObject> reponseListener, ErrorListener errorListener) {
        super(method, url, errorListener);
        this.listener = reponseListener;
        this.params = params;
    }
```

```java
    @Override
    protected Map<String, String> getParams() throws com.android.volley.AuthFailureError {
        return params;
    };


    @Override
    protected void deliverResponse(JSONObject response) {
        listener.onResponse(response);
    }


    @Override
    protected Response<JSONObject> parseNetworkResponse(NetworkResponse response) {
        try {
            String jsonString = new String(response.data,
                    HttpHeaderParser.parseCharset(response.headers));
            return Response.success(new JSONObject(jsonString),
                    HttpHeaderParser.parseCacheHeaders(response));
        } catch (UnsupportedEncodingException e) {
            return Response.error(new ParseError(e));
        } catch (JSONException je) {
            return Response.error(new ParseError(je));
        }
    }

}
```