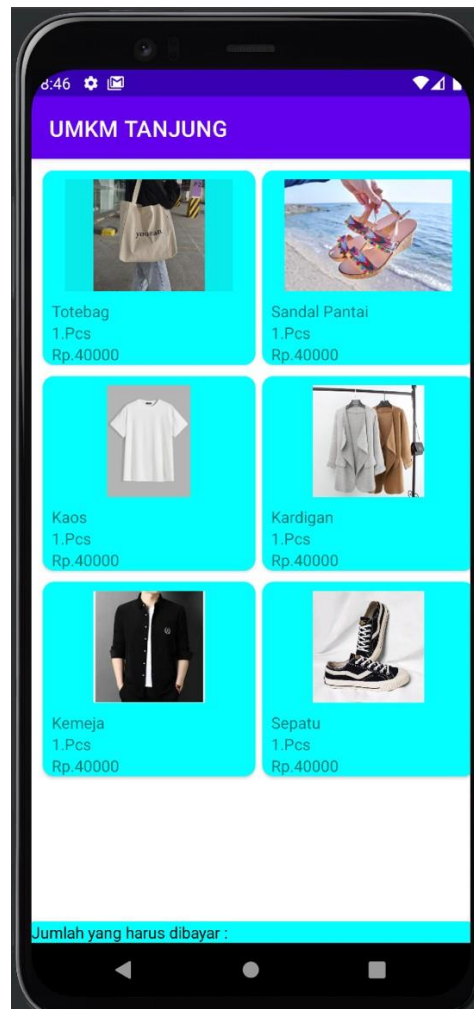


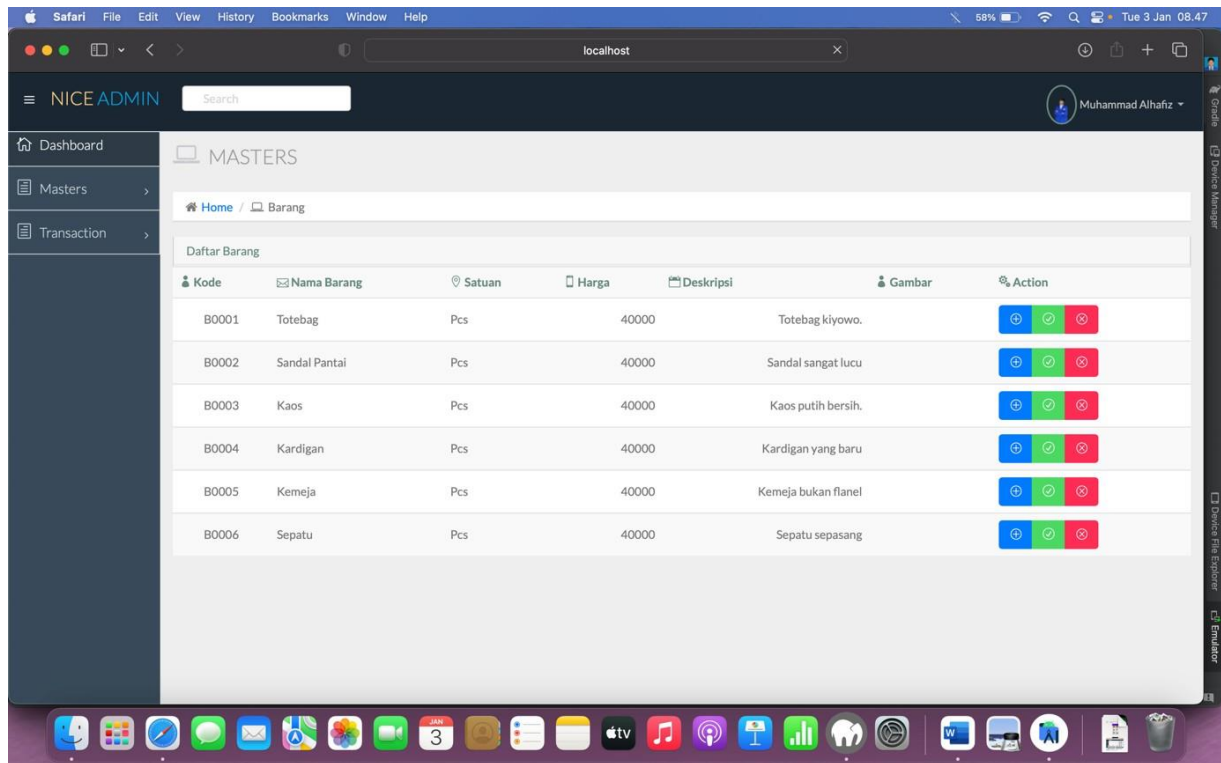
Mata Kuliah : Pemrograman Mobile – TI – S1

Pertemuan : Minggu 11

NIM : A11.2021.13509

Nama : Ainindzi Nur Meiza Pudjianto





activity_main.xml:

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

```
<RelativeLayout
```

```
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"
```

```
tools:context=".MainActivity">
```

```
<androidx.recyclerview.widget.RecyclerView
```

```
android:id="@+id/rcy"
```

```
android:layout_width="match_parent"
```

```
android:layout_height="match_parent">
```

```
</androidx.recyclerview.widget.RecyclerView>
```

```
<androidx.cardview.widget.CardView
```

```
android:layout_width="match_parent"
```

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

```
android:backgroundTint="@color/teal_200"
```

```
android:layout_alignParentBottom="true">
```

```
<RelativeLayout
```

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

```
android:layout_height="wrap_content">
```

```
<TextView
```

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

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

```
android:textColor="@color/black"
```

```
android:text="Jumlah yang harus
```

```
dibayar : "
```

```

        android:id="@+id/bayar" />
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:textColor="@color/black"
            android:id="@+id/total"
            android:layout_toRightOf="@+id/bayar"
        />
    </RelativeLayout>
</androidx.cardview.widget.CardView>
</RelativeLayout>

```

single_data.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<androidx.cardview.widget.CardView
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="190dp"
    android:layout_height="wrap_content"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:orientation="vertical"
    app:cardBackgroundColor="#efefef"
    app:cardCornerRadius="10dp"
    app:cardMaxElevation="8dp"
    android:padding="10dp"
    android:layout_marginStart="10dp"
    android:layout_marginTop="10dp">
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="vertical">
        <com.android.volley.toolbox.NetworkImageView
            android:id="@+id/imgvolley"
            android:layout_marginTop="8dp"
            android:layout_width="150dp"
            android:layout_height="100dp"
            android:layout_gravity="center_horizontal"
            android:onClick="hitung"
            android:src="@mipmap/ic_launcher">
        </com.android.volley.toolbox.NetworkImageView>
        <TextView
            android:layout_marginTop="8dp"
            android:layout_marginLeft="8dp"
            android:id="@+id/txtjudul"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Nama Barang"/>
        <TextView
            android:layout_marginLeft="8dp"
            android:id="@+id/txtsatuan"

```

```

        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Satuan Barang"/>
    <TextView
        android:layout_marginLeft="8dp"
        android:id="@+id/txtharga"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Harga Barang"/>
    </LinearLayout>
</androidx.cardview.widget.CardView>

```

MainActivity.java:

```

package com.example.mysqlimage;
import androidx.appcompat.app.AppCompatActivity;
import
    androidx.recyclerview.widget.GridLayoutManager;
import
    androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;
import android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import
    android.widget.TextView;
import
    com.android.volley.RequestQueue;
import com.android.volley.Response;
import
    com.android.volley.VolleyError;
import com.android.volley.toolbox.JsonArrayRequest;
import com.android.volley.toolbox.Volley;
import org.json.JSONArray;
import
    org.json.JSONException;
import org.json.JSONObject;
import java.util.ArrayList;
import java.util.List;
public class MainActivity extends AppCompatActivity {
    String URL_JSON
    ="http://192.168.1.9/image_volley/json.php";List<Model>
    modelList;
    String id = "id";
    String nama = "nama";
    String satuan =
    "satuan"; String harga =
    "harga"; String gambar
    = "gambar";
    String deskripsi = "deskripsi";

```

```
JSONArrayRequest RequestOfJson;  
RequestQueue requestQueue;  
int total =0;  
RecyclerView recyclerView;  
RecyclerView.LayoutManager layoutManager;  
RecyclerView.Adapter adapter;
```

```

ArrayList<String> ImageTitleIdforClick;
TextView txtTotal;
@SuppressLint("MissingInflatedId")
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    recyclerView =
    findViewById(R.id.rcy); txtTotal =
    findViewById(R.id.total);
    ImageTitleIdforClick = new
    ArrayList<>(); modelList = new
    ArrayList<>();
    layoutManager = new
    GridLayoutManager(this, 2);
    recyclerView.setLayoutManager(layoutManager);
    JSON_HTTP();
}
public void JSON_HTTP() {
    RequestOfJson = new
    JSONArrayRequest(URL_JSON, new
    Response.Listener<JSONArray>() {
        @Override
        public void onResponse(JSONArray
        response) { ParseJsonResponse(response);
        }
    }, new
    Response.ErrorListener() {
        @Override
        public void onErrorResponse(VolleyError error) {
        }
    });
    requestQueue =
    Volley.newRequestQueue(MainActivity.this);
    requestQueue.add(RequestOfJson);
}
public void ParseJsonResponse(JSONArray
array) { for (int i = 0; i < array.length(); i++) {
    Model model = new
    Model(); JSONObject
    json = null;
    try {
        json = array.getJSONObject(i);
        ImageTitleIdforClick.add(json.getString(id));
        model.setId(json.getString(id));
        model.setNama(json.getString(nama));
        model.setSatuan(json.getString(satuan));
        model.setHarga(json.getInt(harga));

        model.setDeskripsi(json.getString(deskripsi));
        model.setUri(json.getString(gambar));
    }
}

```

```
} catch (JSONException  
e){ e.printStackTrace();  
}  
modelList.add(model);
```

```

    }
    adapter = new RecyclerViewAdapter(modelList,this);
    recyclerView.setAdapter(adapter);
    }
    public void hitung(View
    view){ total++;
    Integer listharga =
    40000;if
    (txtTotal!=null){
    txtTotal.setText("Rp."+(total*listharga));
    }
    }
    }
}

```

Model.java:

```

package
com.example.mysqlimage;
public class Model {
    public String
    id,nama,deskripsi,satuan,uri;public int
    harga;
    public Model() {
    }
    public Model(String id, String nama, String satuan,
    intharga, String deskripsi, String uri) {
    this.id = id;
    this.nama = nama;
    this.satuan =
    satuan;this.harga =
    harga;
    this.deskripsi =
    deskripsi;this.uri = uri;
    }
    public String
    getId() { return id;
    }
    public String
    getSatuan() { return
    satuan;
    }
    public void setSatuan(String
    satuan) { this.satuan = satuan;
    }
    public void setId(String
    id) { this.id = id;
    }
    public String
    getNama() { return
    nama;
    }
    public void setNama(String

```



```
nama) { this.nama = nama;  
}  
public String getDeskripsi() {
```

```

return deskripsi;
}
public void setDeskripsi(String
deskripsi) { this.deskripsi = deskripsi;
}
public String
getUri() { return uri;
}
public void setUri(String
uri) { this.uri = uri;
}
public int
getHarga() { return
harga;
}
public void setHarga(int
harga) { this.harga = harga;
}
}

```

ImageAdapter.java:

```

package
com.example.mysqlimage;
import android.content.Context;
import android.graphics.Bitmap;
import android.util.LruCache;
import
com.android.volley.Cache;
import
com.android.volley.Network;
import com.android.volley.RequestQueue;
import
com.android.volley.toolbox.BasicNetwork;
import
com.android.volley.toolbox.DiskBasedCache;
import com.android.volley.toolbox.HurlStack;
import
com.android.volley.toolbox.ImageLoader;
public class ImageAdapter {
public static ImageAdapter
imageAdapter;public Network
networkOBJ ;
public RequestQueue
requestQueue1;public
ImageLoader Imageloader1; public
Cache cache1 ;
public static Context context1;
LruCache<String, Bitmap> LRUCACHE = new
LruCache<String, Bitmap>(30);
private ImageAdapter(Context
context) { this.context1 = context;

```

```
this.requestQueue1 = RequestQueueFunction();  
Imageloader1 = new ImageLoader(requestQueue1, new  
ImageLoader.ImageCache() {  
    @Override  
    public Bitmap getBitmap(String  
URL) { return  
LRUCACHE.get(URL);
```

```

}
@Override
public void putBitmap(String url, Bitmap
bitmap) { LRUCACHE.put(url, bitmap);
}
});
}
public ImageLoader
getImageLoader() { return
Imageloader1;
}
public static ImageAdapter
getInstance(ContextSynchronizedContext) {
if (imageAdapter == null) {
imageAdapter = new ImageAdapter(SynchronizedContext);
}
return imageAdapter;
}
public RequestQueue
RequestQueueFunction() { if (requestQueue1
== null) {
cache1 = new
DiskBasedCache(context1.getCacheDir());
networkOBJ = new BasicNetwork(new HurlStack());
requestQueue1 = new RequestQueue(cache1,
networkOBJ);requestQueue1.start();
}
return requestQueue1;
}
}
}

```

RecyclerViewAdapter.java:

```

package
com.example.mysqlimage;
import android.content.Context;
import android.content.Intent;
import android.os.Bundle;
import
android.view.LayoutInflater;
import android.view.View;
import
android.view.ViewGroup;
import
android.widget.ImageView;
import
android.widget.TextView;
import
androidx.recyclerview.widget.RecyclerView;
import com.android.volley.toolbox.ImageLoader;
import
com.android.volley.toolbox.NetworkImageView;

```

```
import java.util.List;
public class RecyclerViewAdapter extends
RecyclerView.Adapter<RecyclerViewAdapter.ViewHolde
r>{ Context context;
List<Model>
dataAdapters;
ImageLoader
imageLoader; int count =
0;
```

```

public RecyclerViewAdapter(List<Model>
getDataAdapter,Context context){
    super();
    this.dataAdapters =
    getDataAdapter;this.context =
    context;
}
@Override
public ViewHolder onCreateViewHolder(ViewGroup
parent, int viewType) {
    View view =
    LayoutInflater.from(parent.getContext()).inflate(R.layout.single
    _data, parent, false);
    ViewHolder viewHolder = new
    ViewHolder(view);return viewHolder;
}
@Override
public void onBindViewHolder(ViewHolder
ViewHolder, int position) {
    Model dataAdapterOBJ =
    dataAdapters.get(position); imageLoader =
    ImageAdapter.getInstance(context).getImageLoad
    er(); imageLoader.get(dataAdapterOBJ.getUri(),
    ImageLoader.getImageListener(
    ViewHolder.imgvolley,
    R.mipmap.ic_launcher,
    android.R.drawable.ic_dialog_alert
    )
    );
    String deskrip = dataAdapterOBJ.getDeskripsi();
    ViewHolder.imgvolley.setImageUrl(dataAdapterOBJ.getU
    ri(), imageLoader);
    ViewHolder.txtjudul.setText(dataAdapterOBJ.getNama());

    ViewHolder.txtsatuan.setText("1."+dataAdapterOBJ.getSatuan());

    ViewHolder.txtHarga.setText("Rp."+String.valueOf(dataAdapterOBJ.g
    etHarga()));
    ViewHolder.txtjudul.setOnClickListener(new
    View.OnClickListener() {
        @Override
        public void onClick(View
        view) { Bundle bundle = new
        Bundle();

        bundle.putString("nama",dataAdapterOBJ.getNama());
        bundle.putString("deskripsi",deskrip);
        bundle.putString("berat","500 gram");
        bundle.putInt("harga",dataAdapterOBJ.getHarga());

```

```

bundle.putString("gambar",dataAdapterOBJ.getU
ri()); Intent intent = new
Intent(context,DetilActivity.cla
ss);
intent.putExtra("barang",bundl
e);context.startActivity(intent);
}
});
/*
ViewHolder.imgvolley.setOnClickListener(new
View.OnClickListener() {
@Override
public void onClick(View
view) { count++;
int harga =
count*dataAdapterOBJ.getHarga();Bundle
bundle = new Bundle();
bundle.putInt("price",harga);
Intent intent = new
Intent(context,MainActivity.class);
intent.putExtra("tambah",1);
intent.putExtra("bayar",bundle);
context.startActivity(intent);
}
});*/
}
@Override
public int
getItemCount() { return
dataAdapters.size();
}
class ViewHolder extends
RecyclerView.ViewHolder{ public TextView
txtjudul,txtHarga,txtsatuan;
public NetworkImageView
imgvolley ;public
ViewHolder(View itemView) {
super(itemView);
txtjudul = (TextView)
itemView.findViewById(R.id.txtjudul) ;
txtHarga = (TextView)
itemView.findViewById(R.id.txtharga) ;
txtsatuan = (TextView)
itemView.findViewById(R.id.txtsatuan) ;
imgvolley = (NetworkImageView)
itemView.findViewById(R.id.imgvolley)
;
}
}
}
}

```