a. *Class* Connector

```
package
iqbalsuzetta.kaskost.MySql;


import     java.io.IOException;
import
java.net.HttpURLConnection;
import
java.net.MalformedURLException;
import           java.net.URL;


/**
 * Created by Iqbal  Suzetta  on
4/14/2017.
 */


public   class   Connector   {

    public              static
HttpURLConnection
connection(String  urlAddress){


        try{
            URL   url   =   new
URL(urlAddress);
            HttpURLConnection
con    =    (HttpURLConnection)
url.openConnection();

            //con          prop

con.setRequestMethod("GET");


con.setConnectTimeout(10000);


con.setReadTimeout(10000);
```

```
con.setDoInput(true);


            return         con;


        }              catch
(MalformedURLException    e){

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

e.printStackTrace();
        }
        return         null;
    }
}
```

b.   *Class* Downloader

```
package
iqbalsuzetta.kaskost.MySql;

import
android.app.ProgressDialog;
import
android.content.ComponentName;
import android.content.Context;
import    android.os.AsyncTask;
import android.widget.ListView;
import    android.widget.Toast;

import
java.io.BufferedInputStream;
import  java.io.BufferedReader;
import    java.io.IOException;
import    java.io.InputStream;
import
java.io.InputStreamReader;
import
java.net.HttpURLConnection;
import        java.util.List;

import
iqbalsuzetta.kaskost.MainActivi
ty;
import
iqbalsuzetta.kaskost.UI.KostPut
ri;

/**
 * Created by Iqbal Suzetta on
4/14/2017.
 */

public class Downloader extends
AsyncTask<Void,Void,String>   {
    Context            context;
    String          urlAddress;
    ListView              lv;
```

```
    ProgressDialog          pd;

    public
Downloader(MainActivity
context,   String   urlAddress,
ListView          lv)          {
        this.context = context;
        this.urlAddress        =
urlAddress;
        this.lv       =       lv;
    }



    @Override
    protected              void
onPreExecute()                  {
        super.onPreExecute();

        //pd        =        new
ProgressDialog(context);

//pd.setTitle("Retrieve");

//pd.setMessage("Retreiving...P
lease                  wait");
        //pd.show();
    }

    @Override
    protected             String
doInBackground(Void...   params)
{
        return
this.downloadData();
    }

    @Override
    protected              void
onPostExecute(String   jsonData)
```

60

```java
{

    super.onPostExecute(jsonData);

        //pd.dismiss();

        if (jsonData == null){

Toast.makeText(context, "Gagal
mengambil data, Periksa koneksi
anda                          ",
Toast.LENGTH_LONG).show();


        }
        else                      {

            DataParser parser =
new         DataParser(context,
jsonData,                   lv);
            parser.execute();
        }
    }

    private              String
downloadData(){

        HttpURLConnection
connection                   =
Connector.connection(urlAddress
);

        if    (connection   ==
null){

            return      null;
        }

        try{
            InputStream  is  =
new
BufferedInputStream(connection.
```

```java
getInputStream());

            BufferedReader br =
new          BufferedReader(new
InputStreamReader(is));

            String        line;

            StringBuffer
jsonData = new StringBuffer();


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

jsonData.append(line+"\n");
            }

            br.close();
            is.close();

            return
jsonData.toString();

        } catch (IOException e)
{

e.printStackTrace();
        }

        return          null;
    }
}
```

c. *Class* MainActivity

```
package iqbalsuzetta.kaskost;

import
android.app.FragmentManager;
import
android.app.FragmentTransactio
n;
import
android.content.Context;
import
android.graphics.Typeface;
import android.os.Bundle;
import
android.support.annotation.Non
Null;
import
android.support.design.widget.
BottomNavigationView;
import
android.support.v7.app.AppComp
atActivity;
import android.view.Menu;
import android.view.MenuItem;
import android.widget.Button;
import android.widget.Toast;

import
iqbalsuzetta.kaskost.UI.Filter
Harga;
import
iqbalsuzetta.kaskost.UI.Filter
Harga05jt;
import
iqbalsuzetta.kaskost.UI.Filter
Harga10jt;
import
iqbalsuzetta.kaskost.UI.Filter
Harga610jt;
import
iqbalsuzetta.kaskost.UI.Filter
HargaTinggi;
import
iqbalsuzetta.kaskost.UI.KostPu
tra;
import
iqbalsuzetta.kaskost.UI.KostPu
tri;
import
iqbalsuzetta.kaskost.UI.SemuaK
ost;

public class MainActivity
extends AppCompatActivity {

    //private TextView
mTextMessage;
    Context c;

    private Button mapsbt;
```

```
    final static String
urlAddress =
"http://kaskost.16mb.com/kasko
stcon.php";
    final static String
urlAddress_putri =
"http://kaskost.16mb.com/kasko
stconputri.php";
    final static String
urlAddress_putra =
"http://kaskost.16mb.com/kasko
stconputra.php";

    FragmentManager
fragmentManager;
    FragmentTransaction
transaction;

    @Override
    protected void
onCreate(Bundle
savedInstanceState) {

super.onCreate(savedInstanceSt
ate);

setContentView(R.layout.activi
ty_main);

        //mTextMessage =
(TextView)
findViewById(R.id.message);

        Typeface font =
Typeface.createFromAsset(getAs
sets(),  "fonts/Ubuntu-
L.ttf");

        fragmentManager =
getFragmentManager();
        transaction =
fragmentManager.beginTransacti
on();

        SemuaKost sk = new
SemuaKost();

transaction.replace(R.id.conte
nt, sk);
        transaction.commit();


BottomNavigationView.OnNavigat
ionItemSelectedListener
mOnNavigationItemSelectedListe
ner
              = new
BottomNavigationView.OnNavigat
ionItemSelectedListener() {
```

```java
@Override
public boolean
onNavigationItemSelected(@NonN
ull MenuItem item) {
            switch
(item.getItemId()) {

                case
R.id.navigation_home:

fragmentManager =
getFragmentManager();

transaction =
fragmentManager.beginTransacti
on();


SemuaKost sk = new
SemuaKost();

transaction.replace(R.id.conte
nt, sk);

transaction.commit();

                return
true;
                case
R.id.navigation_dashboard:

fragmentManager =
getFragmentManager();

transaction =
fragmentManager.beginTransacti
on();


KostPutri a = new KostPutri();

transaction.replace(R.id.conte
nt, a);

transaction.commit();

                return
true;
                case
R.id.navigation_notifications:

fragmentManager =
getFragmentManager();

transaction =
fragmentManager.beginTransacti
on();
```

```java
KostPutra b = new KostPutra();

transaction.replace(R.id.conte
nt, b);

transaction.commit();

                return
true;
            }
            return false;
        }

        };

    BottomNavigationView
navigation =
(BottomNavigationView)
findViewById(R.id.navigation);

navigation.setOnNavigationItem
SelectedListener(mOnNavigation
ItemSelectedListener);

navigation.setSelectedItemId(R
.id.navigation_home);
    }

    //option menu toolbar

    @Override
    public boolean
onCreateOptionsMenu(Menu menu)
{

getMenuInflater().inflate(R.me
nu.filter_options,
menu);//Menu Resource, Menu
        return true;
    }

    @Override
    public boolean
onOptionsItemSelected(MenuItem
item) {
        switch
(item.getItemId()) {
        case
R.id.h_rendah:

fragmentManager =
getFragmentManager();
            transaction =
fragmentManager.beginTransacti
on();

            FilterHarga
filterHarga = new
FilterHarga();

transaction.replace(R.id.conte
```

```java
nt, filterHarga);

transaction.commit();


Toast.makeText(getApplicationC
ontext(), "Menampilkan harga
rendah ke harga tinggi",
Toast.LENGTH_LONG).show();
                  return true;
            case
R.id.h_tinggi:


fragmentManager =
getFragmentManager();
              transaction =
fragmentManager.beginTransacti
on();


FilterHargaTinggi
filterHargaTinggi = new
FilterHargaTinggi();

transaction.replace(R.id.conte
nt, filterHargaTinggi);

transaction.commit();


Toast.makeText(getApplicationC
ontext(), "Menampilkan harga
tinggi ke harga rendah",
Toast.LENGTH_LONG).show();

                  return true;
            case R.id.h_5jt:


fragmentManager =
getFragmentManager();
              transaction =
fragmentManager.beginTransacti
on();


FilterHarga05jt filterHarga05
= new FilterHarga05jt();

transaction.replace(R.id.conte
nt, filterHarga05);

transaction.commit();


Toast.makeText(getApplicationC
ontext(), "Menampilkan harga 0
- 5 juta",
Toast.LENGTH_LONG).show();

                  return true;
```

```java
            case R.id.h_10jt:


fragmentManager =
getFragmentManager();
              transaction =
fragmentManager.beginTransacti
on();


FilterHarga610jt
filterHarga610 = new
FilterHarga610jt();

transaction.replace(R.id.conte
nt, filterHarga610);

transaction.commit();


Toast.makeText(getApplicationC
ontext(), "Menampilkan harga 6
- 10 juta",
Toast.LENGTH_LONG).show();

                  return true;
            case R.id.h_11jt:


fragmentManager =
getFragmentManager();
              transaction =
fragmentManager.beginTransacti
on();


FilterHarga10jt filterHarga10
= new FilterHarga10jt();

transaction.replace(R.id.conte
nt, filterHarga10);

transaction.commit();


Toast.makeText(getApplicationC
ontext(), "Menampilkan harga
Lebih dari 10 juta",
Toast.LENGTH_LONG).show();

                  return true;
            default:
                  return
super.onOptionsItemSelected(it
em);
        }
    }

}
```