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Source Code

1. LoginActivity.java

```java
package com.example.uas_mobile;

import static android.text.Html.fromHtml;

import androidx.activity.result.contract.ActivityResultContracts;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Build;
import android.os.Bundle;
import android.sax.StartElementListener;
import android.text.BoringLayout;
import android.text.Html;
import android.text.Spanned;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

public class LoginActivity extends AppCompatActivity {

    EditText TxUsername, TxPassword;
    Button BtnLogin;
    DBHelper dbHelper;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_login);

        TxUsername = (EditText)findViewById(R.id.txUsername);
        TxPassword = (EditText)findViewById(R.id.txPassword);
        BtnLogin = (Button) findViewById(R.id.btnLogin);

        dbHelper = new DBHelper(this);

        TextView tvCreatAccount =
(TextView)findViewById(R.id.tvCreateAccount);

        tvCreatAccount.setText(fromHtml("I don't have account yet. " +
                "</font><font color='#3b5998'>Create One</font>"));

        tvCreatAccount.setOnClickListener(new View.OnClickListener() {
```

```java
            @Override
            public void onClick(View v) {
                startActivity(new Intent(LoginActivity.this,
RegisterActivity.class));
            }
        });

        BtnLogin.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String username = TxUsername.getText().toString().trim();
                String password = TxPassword.getText().toString().trim();

                Boolean res = dbHelper.checkUser(username, password);
                if (res == true) {
                    Toast.makeText(LoginActivity.this, "Login Successfull",
Toast.LENGTH_SHORT).show();
                    startActivity(new Intent(LoginActivity.this,
MenuActivity.class));
                } else {
                    Toast.makeText(LoginActivity.this, "Login Failed",
Toast.LENGTH_SHORT).show();
                }
            }
        });
    }

    public static Spanned fromHtml (String html) {
        Spanned result;
        if(Build.VERSION.SDK_INT >= Build.VERSION_CODES.N) {
            result = Html.fromHtml(html, Html.FROM_HTML_MODE_LEGACY);
        } else {
            result = Html.fromHtml(html);
        }
        return result;
    }
}
```

2. RegisterActivity.java

```java
package com.example.uas_mobile;

import androidx.appcompat.app.AppCompatActivity;

import android.content.ContentValues;
import android.content.Intent;
import android.os.Build;
import android.os.Bundle;
import android.text.Spanned;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.text.Html;
```

```java
import android.widget.Toast;


public class RegisterActivity extends AppCompatActivity {

    EditText TxUsername, TxPassword, TxConPassword;
    Button BtnRegister;
    DBHelper dbHelper;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_register);

        dbHelper = new DBHelper(this);

        TxUsername = (EditText)findViewById(R.id.txUsernameReg);
        TxPassword = (EditText)findViewById(R.id.txPasswordReg);
        TxConPassword = (EditText)findViewById(R.id.txConPassword);
        BtnRegister = (Button)findViewById(R.id.btnRegister);

        TextView tvRegister = (TextView) findViewById(R.id.tvRegister);

        tvRegister.setText(fromHtml("Back to " +
                "</font><font color='#3b5998'>Login</font>"));

        tvRegister.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                startActivity(new Intent(RegisterActivity.this,
LoginActivity.class));
            }
        });

        BtnRegister.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String username =
TxUsername.getText().toString().trim();
                String password =
TxPassword.getText().toString().trim();
                String conPassword =
TxConPassword.getText().toString().trim();

                ContentValues values = new ContentValues();

                if (!password.equals(conPassword)) {
                    Toast.makeText(RegisterActivity.this, "Password not
match", Toast.LENGTH_SHORT).show();
                } else if (password.equals("") || username.equals(""))
{
                    Toast.makeText(RegisterActivity.this, "Username or
Password cannot be empty", Toast.LENGTH_SHORT).show();
                } else {
                    values.put(DBHelper.row_username, username);
                    values.put(DBHelper.row_password, password);
                    dbHelper.insertData(values);
```

```java
                        Toast.makeText(RegisterActivity.this, "Register
SUCCESSFUL", Toast.LENGTH_SHORT).show();
                        finish();
                    }

                }
            });
        }

    public static Spanned fromHtml(String html) {
        Spanned result;
        if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.N) {
            result = Html.fromHtml(html, Html.FROM_HTML_MODE_LEGACY);
        }else {
            result  = Html.fromHtml(html);
        }
        return result;
    }
}
```

3. MenuActivity.java

```java
package com.example.uas_mobile;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;

import androidx.appcompat.app.AppCompatActivity;

public class MenuActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_menu);

    }

    public void Maps(View view) {
        Intent intent = new Intent(MenuActivity.this,
MapsActivity.class);
        startActivity(intent);
    }

    public void Camera(View view) {
        Intent intent = new Intent(MenuActivity.this,
CameraActivity.class);
        startActivity(intent);
    }

    public void DataMahasiswa(View view) {
        Intent intent = new Intent(MenuActivity.this,
MahasiswaActivity.class);
```

```java
        startActivity(intent);
    }
}
```

4. MapsActivity.java

```java
package com.example.uas_mobile;

import android.Manifest;
import android.content.pm.PackageManager;
import android.location.Location;
import android.os.Bundle;

import androidx.annotation.NonNull;
import androidx.core.app.ActivityCompat;
import androidx.fragment.app.FragmentActivity;

import com.google.android.gms.location.FusedLocationProviderClient;
import com.google.android.gms.location.LocationServices;
import com.google.android.gms.maps.CameraUpdateFactory;
import com.google.android.gms.maps.GoogleMap;
import com.google.android.gms.maps.OnMapReadyCallback;
import com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.LatLng;
import com.google.android.gms.maps.model.MarkerOptions;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;

public class MapsActivity extends FragmentActivity {

    private SupportMapFragment mapFragment;
    private FusedLocationProviderClient client;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_maps);

        client = LocationServices.getFusedLocationProviderClient(this);
        mapFragment = (SupportMapFragment)
getSupportFragmentManager().findFragmentById(R.id.map);

        if (ActivityCompat.checkSelfPermission(MapsActivity.this,
Manifest.permission.ACCESS_FINE_LOCATION) ==
PackageManager.PERMISSION_GRANTED) {
            getCurrentLocation();
        } else {
            ActivityCompat.requestPermissions(MapsActivity.this, new
String[]{Manifest.permission.ACCESS_FINE_LOCATION}, 44);
        }

    }

    private void getCurrentLocation() {
        if (ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_FINE_LOCATION) !=
```

```java
        PackageManager.PERMISSION_GRANTED &&
ActivityCompat.checkSelfPermission(this,
Manifest.permission.ACCESS_COARSE_LOCATION) !=
PackageManager.PERMISSION_GRANTED) {
            ActivityCompat.requestPermissions(MapsActivity.this, new
String[]{Manifest.permission.ACCESS_FINE_LOCATION}, 44);
            return;
        }
        Task<Location> task = client.getLastLocation();
        task.addOnSuccessListener(new OnSuccessListener<Location>() {
            @Override
            public void onSuccess(Location location) {
                if(location != null) {
                    mapFragment.getMapAsync(new OnMapReadyCallback() {
                        @Override
                        public void onMapReady(@NonNull GoogleMap
googleMap) {
                            LatLng latLng = new
LatLng(location.getLatitude(), location.getLongitude());
                            MarkerOptions options = new
MarkerOptions().position(latLng).title("Jakarta");

googleMap.animateCamera(CameraUpdateFactory.newLatLngZoom(latLng, 10));
                            googleMap.addMarker(options);
                        }
                    });
                }
            }
        });
    }

    @Override
    public void onRequestPermissionsResult(int requestCode, @NonNull
String[] permissions, @NonNull int[] grantResults) {
        super.onRequestPermissionsResult(requestCode, permissions,
grantResults);
        if (requestCode == 44) {
            if (grantResults.length > 0 && grantResults[0] ==
PackageManager.PERMISSION_GRANTED) {
                getCurrentLocation();
            }
        }
    }
}
```

5. CameraActivity.java

```java
package com.example.uas_mobile;

import androidx.appcompat.app.AppCompatActivity;

import androidx.annotation.Nullable;
import android.content.Intent;
import android.graphics.Bitmap;
```

```java
import android.os.Bundle;
import android.provider.MediaStore;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;

public class CameraActivity extends AppCompatActivity {

    private static final int CAMERA_REQUEST = 1888;
    ImageView imageView;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_camera);

        imageView = findViewById(R.id.imageCamera);
        Button button = findViewById(R.id.buttonCamera);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intentCamera = new
Intent(MediaStore.ACTION_IMAGE_CAPTURE);
                startActivityForResult(intentCamera, CAMERA_REQUEST);
            }
        });
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode,
@Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if (requestCode == CAMERA_REQUEST && resultCode == RESULT_OK) {
            Bitmap photoCamera = (Bitmap) data.getExtras().get("data");
            imageView.setImageBitmap(photoCamera);
        }
    }
}
```

6. MahasiswaActivity.java

```java
package com.example.uas_mobile;

import android.content.DialogInterface;
import android.content.Intent;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.os.Bundle;
import android.view.Menu;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.ListView;

import androidx.appcompat.app.AlertDialog;
```

```java
import androidx.appcompat.app.AppCompatActivity;

import com.google.android.material.floatingactionbutton.FloatingActionButton;

public class MahasiswaActivity extends AppCompatActivity {

    String[] daftar;
    ListView listview;
    Menu menu;
    protected Cursor cursor;
    DataHelper database;
    public static MahasiswaActivity ma;


    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_mahasiswa);
        FloatingActionButton fab = findViewById(R.id.fab);
        fab.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent pindah = new  Intent(MahasiswaActivity.this,
CreatActivity.class);
                startActivity(pindah);
            }
        });

        ma = this;
        database = new DataHelper(this);
        RefreshList();
    }

    public void RefreshList() {
        SQLiteDatabase  db = database.getReadableDatabase();
        cursor = db.rawQuery("Select * from mahasiswa", null);
        daftar = new String[cursor.getCount()];
        cursor.moveToFirst();
        for (int i = 0; i< cursor.getCount(); i++ ){
            cursor.moveToPosition(i);
            daftar[i] = cursor.getString(0).toString();
        }
        listview = (ListView) findViewById(R.id.listview);
        listview.setAdapter(new ArrayAdapter(this,
android.R.layout.simple_expandable_list_item_1, daftar));
        listview.setSelected(true);

        listview.setOnItemClickListener(new AdapterView.OnItemClickListener()
{

            public void onItemClick(AdapterView arg0, View arg1 , int arg2,
long arg3) {
                final String selection = daftar[arg2];
                final CharSequence[] dialogitem = {"Lihat Masiswa", "Edit
Mahasiswa", "Hapus Mahasiswa"};
                AlertDialog.Builder builder = new
AlertDialog.Builder(MahasiswaActivity.this);
```

```java
                builder.setTitle("Pilihan");
                builder.setItems(dialogitem, new
DialogInterface.OnClickListener() {
                    @Override
                    public void onClick(DialogInterface dialog, int item) {
                        switch (item){
                            case 0:
                                Intent i = new
Intent(getApplicationContext(), DetailActivity.class);
                                i.putExtra("nama", selection);
                                startActivity(i);
                                break;
                            case 1:
                                Intent in = new
Intent(getApplicationContext(), UpdateActivity.class);
                                in.putExtra("nama", selection);
                                startActivity(in);
                                break;
                            case 2:
                                SQLiteDatabase db =
database.getWritableDatabase();
                                db.execSQL("DELETE FROM mahasiswa WHERE
nama='"+ selection +"' ");
                                RefreshList();
                                break;
                        }
                    }
                });
                builder.create().show();
            }
        });
        ((ArrayAdapter)listview.getAdapter()).notifyDataSetInvalidated();
    }

}
```

7. CreateActivity.java

```java
package com.example.uas_mobile;

import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class CreatActivity extends AppCompatActivity {
    protected Cursor cursor;
    DataHelper database;
    Button btn_simpan;
```

```java
        EditText nama, nim, kelas, email, hp, alamat;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_creat);
        database = new DataHelper(this);
        nama = findViewById(R.id.nama);
        nim = findViewById(R.id.nim);
        kelas = findViewById(R.id.kelas);
        email = findViewById(R.id.email);
        hp = findViewById(R.id.hp);
        alamat = findViewById(R.id.alamat);
        btn_simpan = findViewById(R.id.btn_simpan);
        btn_simpan.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View view) {
                SQLiteDatabase db = database.getWritableDatabase();
                db.execSQL("insert into mahasiswa (nama, nim, kelas,
email, hp, alamat) values('" +
                        nama.getText().toString() + "','" +
                        nim.getText().toString() + "','" +
                        kelas.getText().toString() + "','" +
                        email.getText().toString() + "','" +
                        hp.getText().toString() + "','" +
                        alamat.getText().toString() +
                        "')");
                Toast.makeText(CreatActivity.this, "Data Berhasil
Tersimpan", Toast.LENGTH_SHORT).show();
                MahasiswaActivity.ma.RefreshList();
                finish();
            }
        });

    }
}
```

8. DetailActivity.java

```java
package com.example.uas_mobile;

import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.os.Bundle;
import android.widget.Button;
import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class DetailActivity extends AppCompatActivity {

    protected Cursor cursor;
    DataHelper database;
    Button btn_simpan;
```

```java
        TextView nama, nim, kelas, email, hp, alamat;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_detail);

        database = new DataHelper(this);
        nama = findViewById(R.id.nama);
        nim = findViewById(R.id.nim);
        kelas = findViewById(R.id.kelas);
        email = findViewById(R.id.email);
        hp = findViewById(R.id.hp);
        alamat = findViewById(R.id.alamat);
        btn_simpan = findViewById(R.id.btn_simpan);

        SQLiteDatabase db = database.getReadableDatabase();
        cursor = db.rawQuery("select * from mahasiswa where nama ='"+
                getIntent().getStringExtra("nama")+"'", null);
        cursor.moveToFirst();
        if(cursor.getCount()> 0) {
            cursor.moveToPosition(0 );
            nama.setText(cursor.getString(0).toString());
            nim.setText(cursor.getString(1).toString());
            kelas.setText(cursor.getString(2).toString());
            email.setText(cursor.getString(3).toString());
            hp.setText(cursor.getString(4).toString());
            alamat.setText(cursor.getString(5).toString());
        }
    }
}
```

9. UpdateActivity.java

```java
package com.example.uas_mobile;

import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class UpdateActivity extends AppCompatActivity {
    protected Cursor cursor;
    DataHelper database;
    Button btn_simpan;
    EditText nama, nim, kelas, email, hp, alamat;

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

```java
        setContentView(R.layout.activity_update);

        database = new DataHelper(this);
        nama = findViewById(R.id.nama);
        nim = findViewById(R.id.nim);
        kelas = findViewById(R.id.kelas);
        email = findViewById(R.id.email);
        hp = findViewById(R.id.hp);
        alamat = findViewById(R.id.alamat);
        btn_simpan = findViewById(R.id.btn_simpan);

        SQLiteDatabase db = database.getReadableDatabase();
        cursor = db.rawQuery("select * from mahasiswa where nama ='"+
                getIntent().getStringExtra("nama")+"'", null);
        cursor.moveToFirst();
        if(cursor.getCount()> 0) {
            cursor.moveToPosition(0 );
            nama.setText(cursor.getString(0).toString());
            nim.setText(cursor.getString(1).toString());
            kelas.setText(cursor.getString(2).toString());
            email.setText(cursor.getString(3).toString());
            hp.setText(cursor.getString(4).toString());
            alamat.setText(cursor.getString(5).toString());


        }

        btn_simpan.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View view) {
                SQLiteDatabase db = database.getWritableDatabase();
                db.execSQL("update mahasiswa set nama='"+
                        nama.getText().toString() + "', nim='"+
                        nim.getText().toString() + "', kelas='"+
                        kelas.getText().toString() + "', email='"+
                        email.getText().toString() + "', hp='"+
                        hp.getText().toString() + "', alamat='"+
                        alamat.getText().toString() +"' where nama=   '"
+
                        getIntent().getStringExtra("nama")+ "'");
                Toast.makeText(UpdateActivity.this, "Data Berhasil
Diupdate", Toast.LENGTH_SHORT).show();
                MahasiswaActivity.ma.RefreshList();
                finish();
            }
        });
    }
}
```

10. DBhelper.java / DB user

```java
11.  package com.example.uas_mobile;

    import android.content.ContentValues;
    import android.content.Context;
    import android.database.Cursor;
    import android.database.sqlite.SQLiteDatabase;
    import android.database.sqlite.SQLiteOpenHelper;


    public class DBHelper extends SQLiteOpenHelper {

        public   static  final String database_name = "db_uas";
        public   static  final String table_name = "table_uas";

        public   static  final String row_id  = "_id";
        public   static  final String row_username  = "Username";
        public   static  final String row_password  = "Password";

        private SQLiteDatabase db;

        public DBHelper(Context context) {
            super(context, database_name, null, 2);
            db = getWritableDatabase();
        }

        @Override
        public void onCreate(SQLiteDatabase db) {
            String query = "CREATE TABLE " + table_name + "(" + row_id + "
    INTEGER PRIMARY KEY AUTOINCREMENT, "
                    + row_username + " TEXT, " + row_password + " TEXT)" ;
            db.execSQL(query );

        }

        @Override
        public void onUpgrade(SQLiteDatabase db, int oldVersion, int
    newVersion) {
            db.execSQL("DROP TABLE IF EXISTS " + table_name);
        }

        //Insert Data
        public   void   insertData(ContentValues values) {
            db.insert(table_name, null, values);
        }
         public boolean checkUser(String username, String password) {
            String [] columns = {row_id};
            SQLiteDatabase db = getReadableDatabase();
            String selection = row_username + "=?" + " and " + row_password
    + "=?";
            String [] selectionArgs = {username,password};
            Cursor cursor = db.query(table_name, columns, selection,
    selectionArgs, null ,null, null);
            int count = cursor.getCount();
            cursor.close();
            db.close();
```

```
            if(count>0)
                return true;
            else
                return false;
        }
    }
```

12. DataHelper / data Mahasiswa

```java
package com.example.uas_mobile;


import android.content.Context;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;
import android.util.Log;


public class DataHelper extends SQLiteOpenHelper {
    public static final String DATABASE_NAME = "mahasiswa.db";
    public DataHelper (Context context) {
        super(context, DATABASE_NAME, null , 2);
    }

    @Override
    public void onCreate(SQLiteDatabase db) {
        String sql = "Create table mahasiswa ( nama text, nim text , kelas
text , email text , hp text , alamat text );";
        Log.d("Data","onCreate : " + sql);
        db.execSQL(sql);
        sql = "Insert Into mahasiswa ( nama, nim, kelas, email, hp, alamat )"
+
                " VALUES ('Eko Budiarto', '191011402097', '06TPLE024',
'ekobcode@gmail.com', '082322728715','Jakarta Barat');";
        db.execSQL(sql);

    }

    @Override
    public void onUpgrade(SQLiteDatabase sqLiteDatabase, int i, int i1) {

    }
}
```

A. Activity_login.xml

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

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:orientation="vertical"
    android:gravity="center"
    android:layout_marginRight="30dp"
    android:layout_marginLeft="30dp"
    tools:context=".LoginActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="User Login"
        android:layout_margin="30dp"
        android:textStyle="bold"
        android:textSize="20sp"/>

    <EditText
        android:id="@+id/txUsername"
        android:layout_width="334dp"
        android:layout_height="85dp"
        android:layout_marginBottom="10dp"
        android:hint="Username"
        android:inputType="textPersonName" />

    <EditText
        android:id="@+id/txPassword"
        android:layout_width="334dp"
        android:layout_height="85dp"
        android:layout_marginBottom="10dp"
        android:hint="Password"
        android:inputType="textPassword" />

    <Button
        android:id="@+id/btnLogin"
        style="@style/Widget.AppCompat.Button.Colored"
        android:layout_width="334dp"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:text="Login" />

    <TextView
        android:id="@+id/tvCreateAccount"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Belum Punya Akun? Buat Sekarang"
        android:layout_marginBottom="30dp" />

</LinearLayout>
```

B. Activity_register.xml

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

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:layout_marginLeft="30dp"
    android:layout_marginRight="30dp"
    android:orientation="vertical"
    android:gravity="center"
    tools:context=".RegisterActivity">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="REGISTER"
        android:layout_margin="30dp"
        android:textStyle="bold"
        android:textSize="20sp" />

    <EditText
        android:id="@+id/txID"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:hint="username"
        android:inputType="textPersonName"
        android:visibility="gone"/>


    <EditText
        android:id="@+id/txUsernameReg"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:hint="Username"
        android:inputType="textPersonName" />
    <EditText
        android:id="@+id/txPasswordReg"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:hint="Password"
        android:inputType="textPassword" />
    <EditText
        android:id="@+id/txConPassword"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:hint="Confirm Password"
        android:inputType="textPassword" />
    <Button
        android:id="@+id/btnRegister"
        android:layout_width="match_parent"
```

```xml
        android:layout_height="wrap_content"
        android:text="Register"
        android:layout_marginBottom="10dp"
        style="@style/Widget.AppCompat.Button.Colored" />
    <TextView
        android:id="@+id/tvRegister"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Back to Login"
        android:layout_marginBottom="30dp"/>

</LinearLayout>
```

C. Activity_menu.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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=".MenuActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="36dp"
        android:text="Menu"
        android:textSize="20sp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:id="@+id/btnMap"
        android:layout_width="341dp"
        android:layout_height="73dp"
        android:layout_marginTop="49dp"
        android:text="Google Map"
        android:onClick="Maps"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView"
/>

    <Button
        android:id="@+id/btnCamera"
        android:layout_width="341dp"
        android:layout_height="73dp"
        android:layout_marginTop="49dp"
        android:text="Camera"
        android:onClick="Camera"
        app:layout_constraintEnd_toEndOf="parent"
```

```
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toBottomOf="@+id/btnMap"
/>

    <Button
        android:id="@+id/btnData"
        android:layout_width="341dp"
        android:layout_height="73dp"
        android:layout_marginTop="49dp"
        android:text="Data Mahasiswa"
        android:onClick="DataMahasiswa"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toBottomOf="@+id/btnCamera" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

D. Activity_map.xml

```
<?xml version="1.0" encoding="utf-8"?>
<fragment
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:map="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/map"

android:name="com.google.android.gms.maps.SupportMapFragmen
t"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MapsActivity" />
```

E. Activity_camera.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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=".CameraActivity">

    <TextView
        android:id="@+id/tv_text"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="32dp"
        android:text="Camera"
        android:textSize="18dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ImageView
        android:id="@+id/imageCamera"
```

```
        android:layout_width="331dp"
        android:layout_height="513dp"
        android:layout_margin="16dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/tv_text"
/>

    <Button
        android:id="@+id/buttonCamera"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:text="Ambil Foto"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"

app:layout_constraintTop_toBottomOf="@+id/imageCamera" />




</androidx.constraintlayout.widget.ConstraintLayout>
```

F. Activity_mahasiswa.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=".MahasiswaActivity">

    <Button
        android:id="@+id/data"
        android:layout_width="375dp"
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_alignParentRight="true"
        android:layout_marginLeft="18dp"
        android:layout_marginTop="20dp"
        android:layout_marginRight="18dp"
        android:text="Data Mahasiswa" />

    <ListView
        android:id="@+id/listview"
        android:layout_width="370dp"
        android:layout_height="624dp"
        android:layout_alignParentLeft="true"
        android:layout_alignParentRight="true"
        android:layout_marginLeft="20dp"
        android:layout_marginTop="70dp"
```

```xml
                    android:layout_marginRight="21dp">



    </ListView>



<com.google.android.material.floatingactionbutton.FloatingA
ctionButton
        android:id="@+id/fab"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentRight="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="16dp"
        android:layout_marginTop="16dp"
        android:layout_marginEnd="16dp"
        android:src="@drawable/add"
        android:layout_marginBottom="16dp" />


</RelativeLayout>
```

G. Activity_create.java

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

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:layout_marginLeft="30dp"
    android:layout_marginRight="30dp"
    android:orientation="vertical"
    tools:context=".RegisterActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="30dp"
        android:text="Buat Data Mahasiwa"
        android:textSize="20sp"
        android:layout_gravity="center"
        android:textStyle="bold" />

    <TextView
        android:id="@+id/textView1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Nama"
        android:textSize="20sp"/>


    <EditText
        android:id="@+id/nama"
```

```xml
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:hint="Masukan Nama"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="NIM"
        android:textSize="20sp"/>

    <EditText
        android:id="@+id/nim"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:hint="Masukan Nim"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Kelas"
        android:textSize="20sp"/>

    <EditText
        android:id="@+id/kelas"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:hint="Masukan Kelas"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Email"
        android:textSize="20sp"/>

    <EditText
        android:id="@+id/email"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:hint="Masukan Email"
        android:inputType="textEmailAddress" />

    <TextView
        android:id="@+id/textView5"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="HP"
        android:textSize="20sp"/>
```

```xml
    <EditText
        android:id="@+id/hp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:hint="Masukan No Hp"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView6"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Alamat"
        android:textSize="20sp"/>

    <EditText
        android:id="@+id/alamat"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:hint="Masukan Alamat"
        android:inputType="textLongMessage" />

    <Button
        android:id="@+id/btn_simpan"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Save"
        android:layout_marginBottom="10dp"
        style="@style/Widget.AppCompat.Button.Colored" />


</LinearLayout>
```

H. Activity_detail.xml

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

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:layout_marginLeft="30dp"
    android:layout_marginRight="30dp"
    android:orientation="vertical"
    tools:context=".RegisterActivity">

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

```xml
        android:text="Detail Data Mahasiwa"
        android:layout_margin="30dp"
        android:textStyle="bold"
        android:layout_gravity="center"
        android:textSize="20sp" />

    <TextView
        android:id="@+id/textView1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Nama"
        android:textSize="20sp"/>


    <TextView
        android:id="@+id/nama"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:textSize="20dp"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="NIM"
        android:textSize="20sp"/>

    <TextView
        android:id="@+id/nim"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:textSize="20dp"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Kelas"
        android:textSize="20sp"/>

    <TextView
        android:id="@+id/kelas"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:textSize="20dp"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Email"
```

```xml
            android:textSize="20sp"/>

    <TextView
        android:id="@+id/email"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:textSize="20dp"
        android:inputType="textEmailAddress" />

    <TextView
        android:id="@+id/textView5"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="HP"
        android:textSize="20sp"/>

    <TextView
        android:id="@+id/hp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:textSize="20dp"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView6"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Alamat"
        android:textSize="20sp"/>

    <TextView
        android:id="@+id/alamat"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:textSize="20dp"
        android:inputType="textLongMessage" />

<!--    <Button-->
<!--        android:id="@+id/btn_simpan"-->
<!--        android:layout_width="match_parent"-->
<!--        android:layout_height="wrap_content"-->
<!--        android:text="Save"-->
<!--        android:layout_marginBottom="10dp"-->
<!--        style="@style/Widget.AppCompat.Button.Colored"
/>-->



</LinearLayout>
```

I. Activity_detail.xml

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

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:layout_marginLeft="30dp"
    android:layout_marginRight="30dp"
    android:orientation="vertical"
    tools:context=".RegisterActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Detail Data Mahasiwa"
        android:layout_margin="30dp"
        android:textStyle="bold"
        android:layout_gravity="center"
        android:textSize="20sp" />

    <TextView
        android:id="@+id/textView1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Nama"
        android:textSize="20sp"/>


    <TextView
        android:id="@+id/nama"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:textSize="20dp"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="NIM"
        android:textSize="20sp"/>

    <TextView
        android:id="@+id/nim"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:textSize="20dp"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView3"
```

```xml
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Kelas"
        android:textSize="20sp"/>

    <TextView
        android:id="@+id/kelas"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:textSize="20dp"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Email"
        android:textSize="20sp"/>

    <TextView
        android:id="@+id/email"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:textSize="20dp"
        android:inputType="textEmailAddress" />

    <TextView
        android:id="@+id/textView5"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="HP"
        android:textSize="20sp"/>

    <TextView
        android:id="@+id/hp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:textSize="20dp"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView6"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Alamat"
        android:textSize="20sp"/>

    <TextView
        android:id="@+id/alamat"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:textSize="20dp"
        android:inputType="textLongMessage" />
```

```xml
<!--    <Button-->
<!--        android:id="@+id/btn_simpan"-->
<!--        android:layout_width="match_parent"-->
<!--        android:layout_height="wrap_content"-->
<!--        android:text="Save"-->
<!--        android:layout_marginBottom="10dp"-->
<!--        style="@style/Widget.AppCompat.Button.Colored"
/>-->


</LinearLayout>
```

J. Activity_update.xml

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

    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:layout_marginLeft="30dp"
        android:layout_marginRight="30dp"
        android:orientation="vertical"
        tools:context=".RegisterActivity">

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_margin="30dp"
            android:text="Edit Data Mahasiwa"
            android:textSize="20sp"
            android:layout_gravity="center"
            android:textStyle="bold" />

        <TextView
            android:id="@+id/textView1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Nama"
            android:textSize="20sp"/>


        <EditText
            android:id="@+id/nama"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginBottom="10dp"
            android:hint="Masukan Nama"
            android:inputType="textPersonName" />

        <TextView
            android:id="@+id/textView2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="NIM"
            android:textSize="20sp"/>

        <EditText
            android:id="@+id/nim"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginBottom="10dp"
            android:hint="Masukan Nim"
            android:inputType="textPersonName" />

        <TextView
            android:id="@+id/textView3"
```

```xml
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Kelas"
        android:textSize="20sp"/>

    <EditText
        android:id="@+id/kelas"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:hint="Masukan Kelas"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Email"
        android:textSize="20sp"/>

    <EditText
        android:id="@+id/email"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:hint="Masukan Email"
        android:inputType="textEmailAddress" />

    <TextView
        android:id="@+id/textView5"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="HP"
        android:textSize="20sp"/>

    <EditText
        android:id="@+id/hp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:hint="Masukan No Hp"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView6"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Alamat"
        android:textSize="20sp"/>

    <EditText
        android:id="@+id/alamat"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginBottom="10dp"
        android:hint="Masukan Alamat"
        android:inputType="textLongMessage" />
```
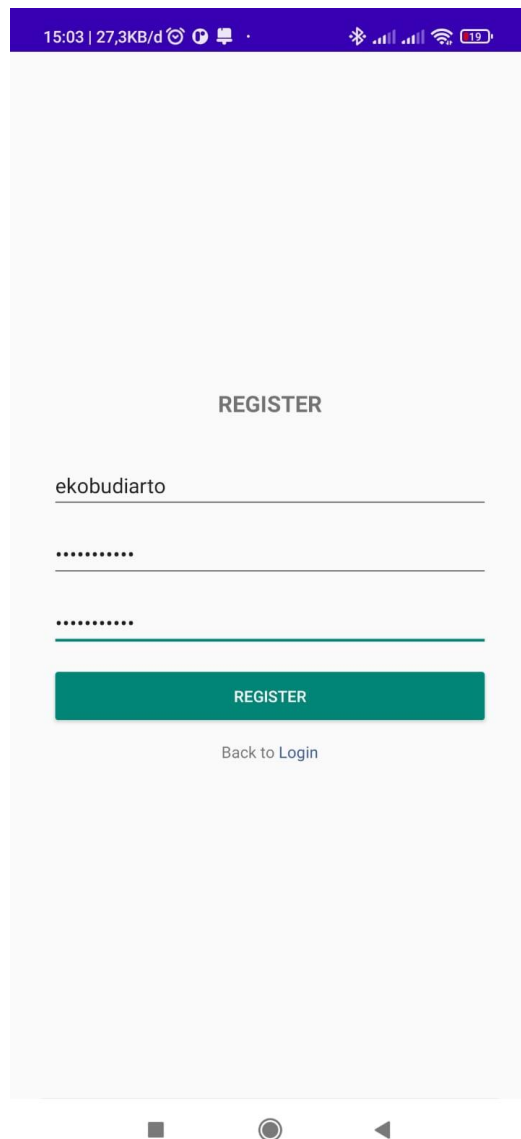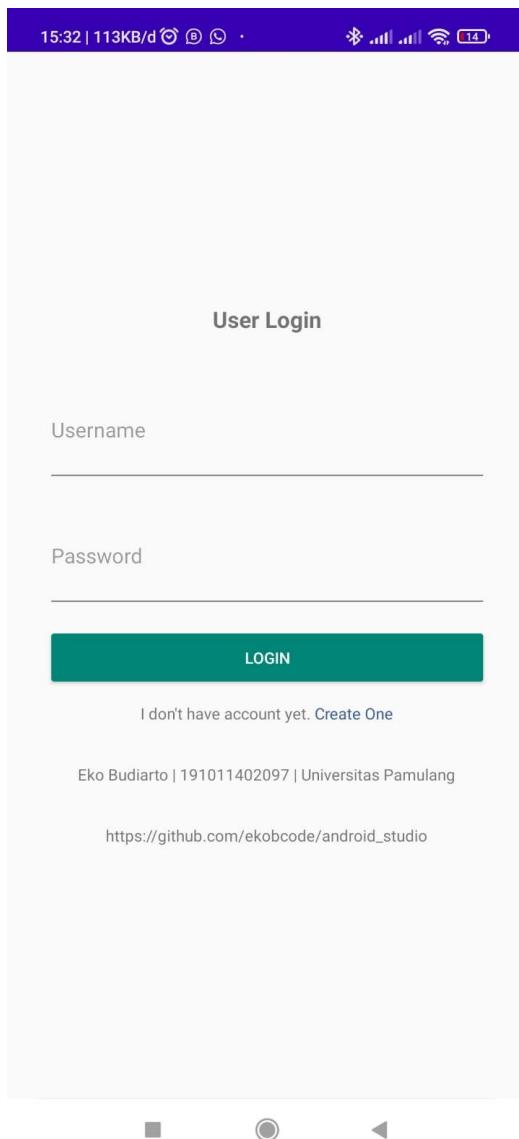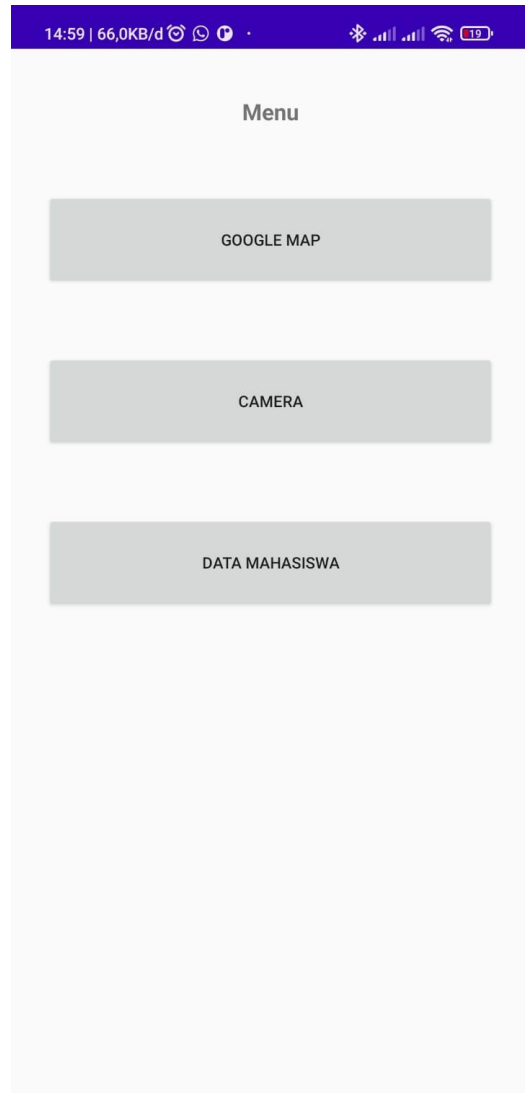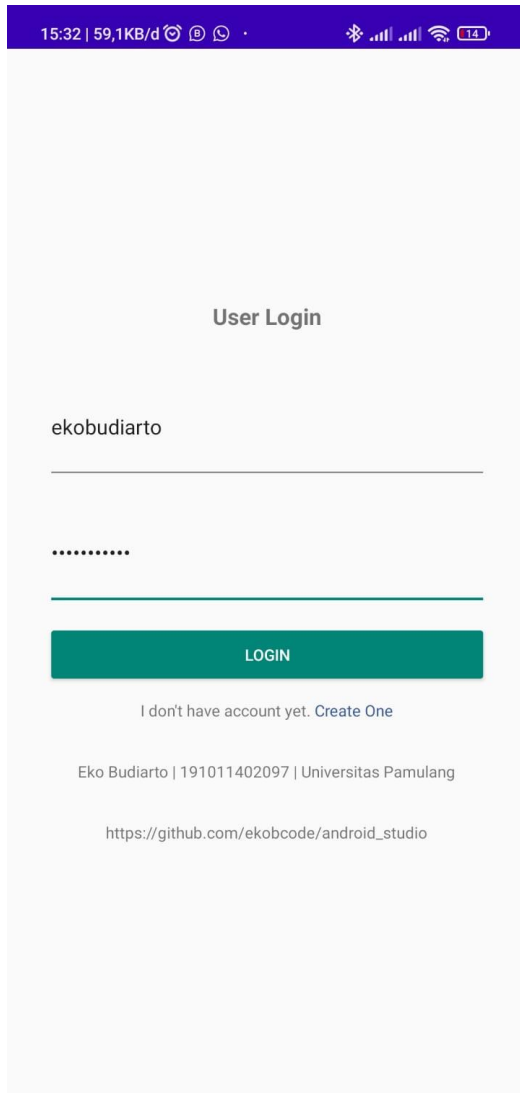
```xml
<Button
    android:id="@+id/btn_simpan"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Save"
    android:layout_marginBottom="10dp"
    style="@style/Widget.AppCompat.Button.Colored" />



</LinearLayout>
```
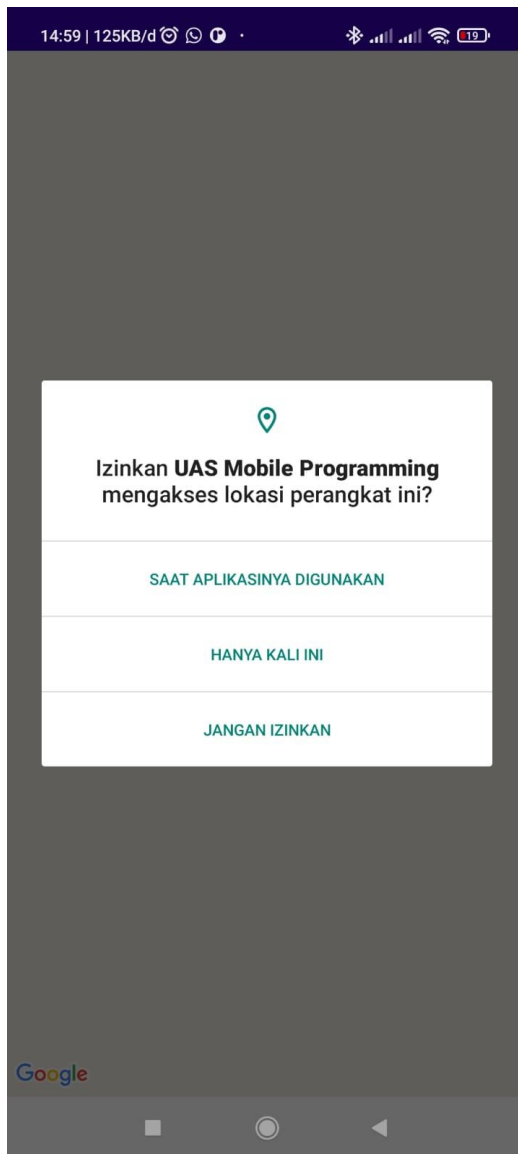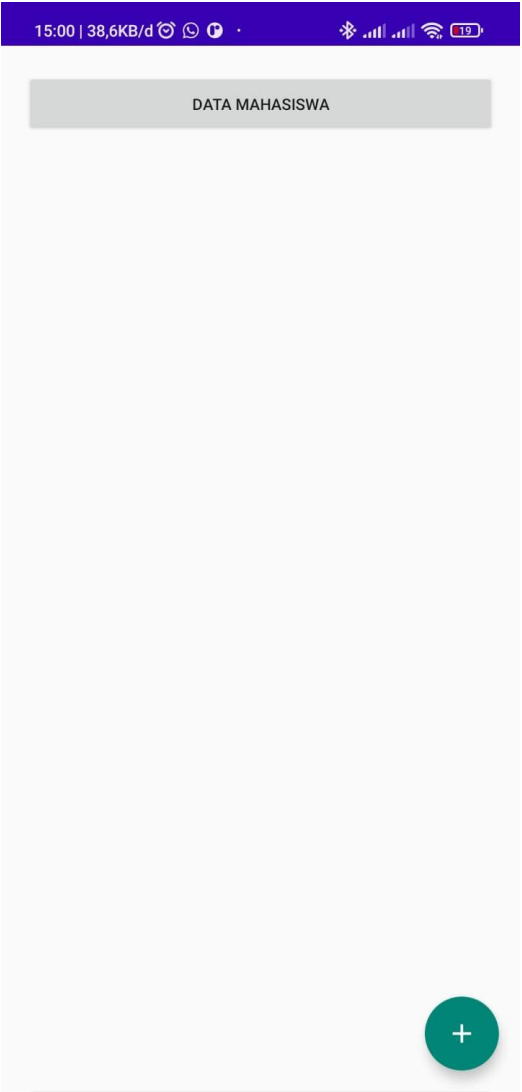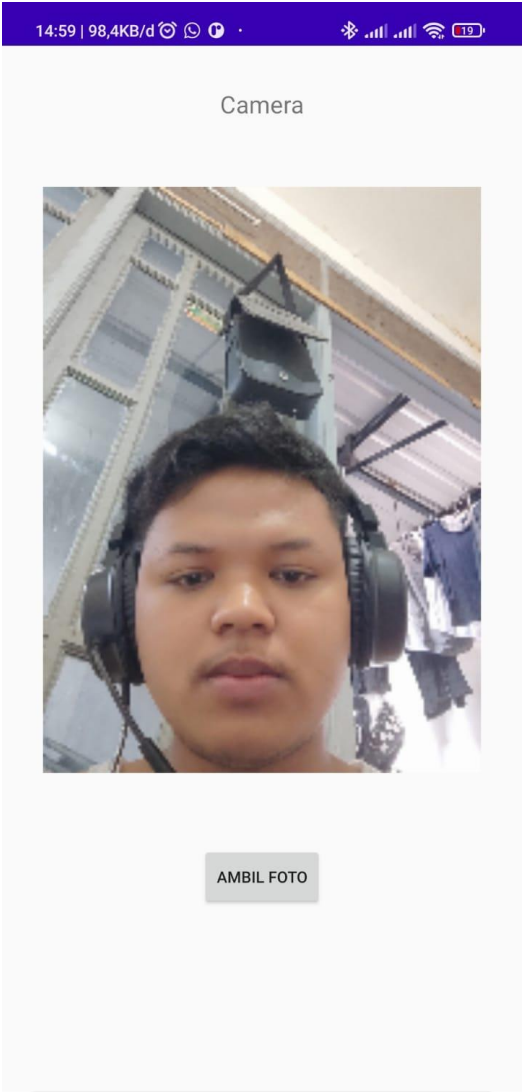
Hasil

User Login

ekobudiarto

••••••••••

LOGIN

I don't have account yet. Create One

Eko Budiarto | 191011402097 | Universitas Pamulang

https://github.com/ekobcode/android_studio

Menu

GOOGLE MAP

CAMERA

DATA MAHASISWA

14:59 | 125KB/d

Izinkan **UAS Mobile Programming** mengakses lokasi perangkat ini?

SAAT APLIKASINYA DIGUNAKAN

HANYA KALI INI

JANGAN IZINKAN

14:59 | 151KB/d

Kramat

Ketapang

Tlk. Jkt

Tangerang   Jakarta Barat

Jakarta

Jakarta Selatan

Parung
Panjang   Gunung
Sindur   Depok   Cileungsi

Parung

Cibinong

Leuwiliang   Cibadak

Nanggoeng   Bogor   Cisarua

Taman
Nasional   Caringin
Halimun Salak

Camera

AMBIL FOTO

DATA MAHASISWA

+

Buat Data Mahasiwa

Nama

Eko Budiarto

NIM

191011402097

Kelas

06TPLE024

Email

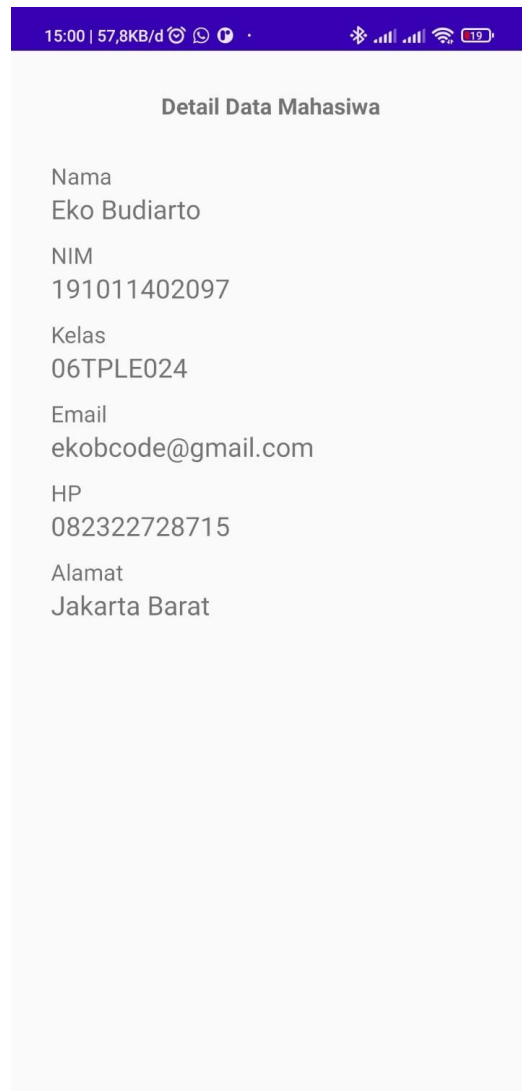ekobcode@gmail.com

HP

082322728715

Alamat

Jakarta Barat
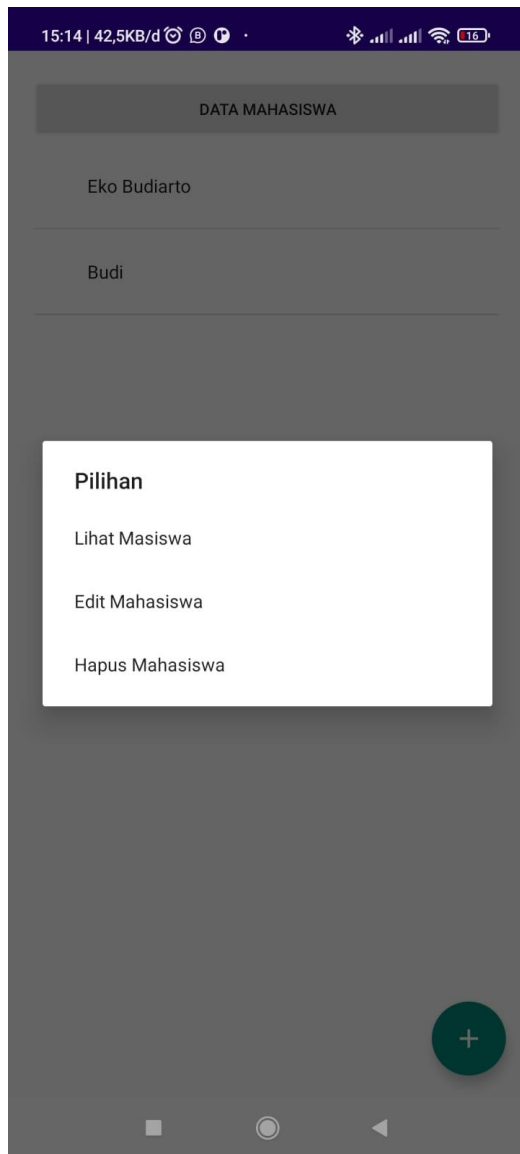
SAVE

DATA MAHASISWA

Eko Budiarto

Data Berhasil Tersimpan

+

DATA MAHASISWA

Eko Budiarto

Budi

Pilihan

Lihat Masiswa

Edit Mahasiswa

Hapus Mahasiswa

+

Detail Data Mahasiwa

Nama
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Edit Data Mahasiwa

Nama

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Email

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Alamat

Jakarta Barat

SAVE

DATA MAHASISWA

Eko Budiarto Edit

Budi

Data Berhasil Diupdate

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