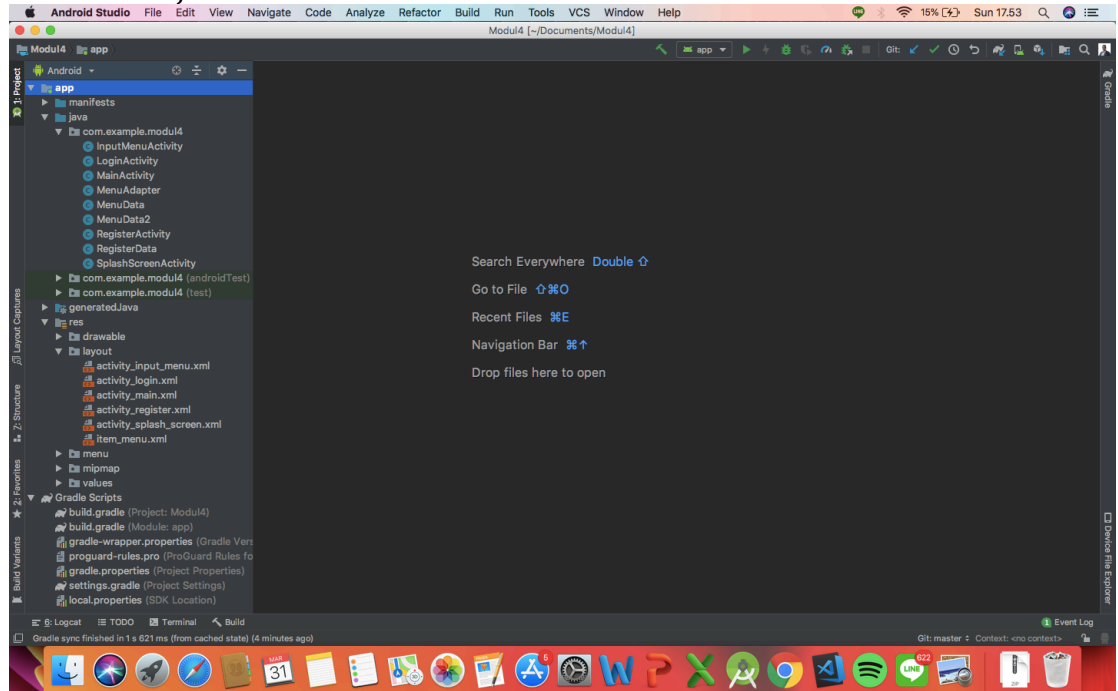
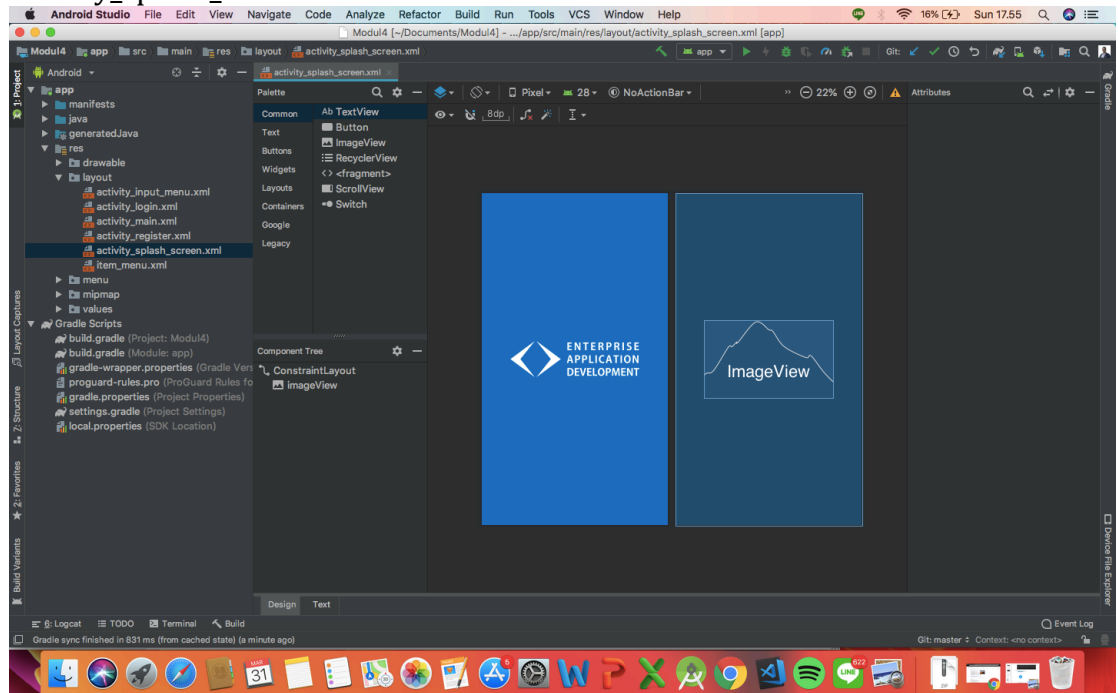


1. Project

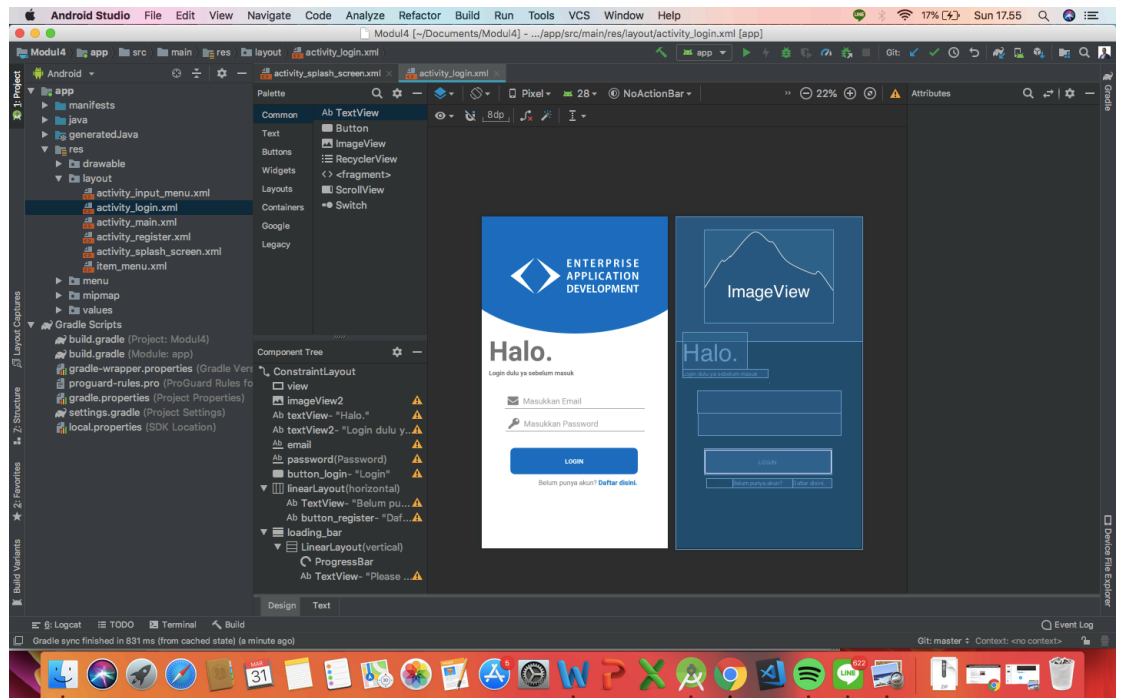
- Android Project



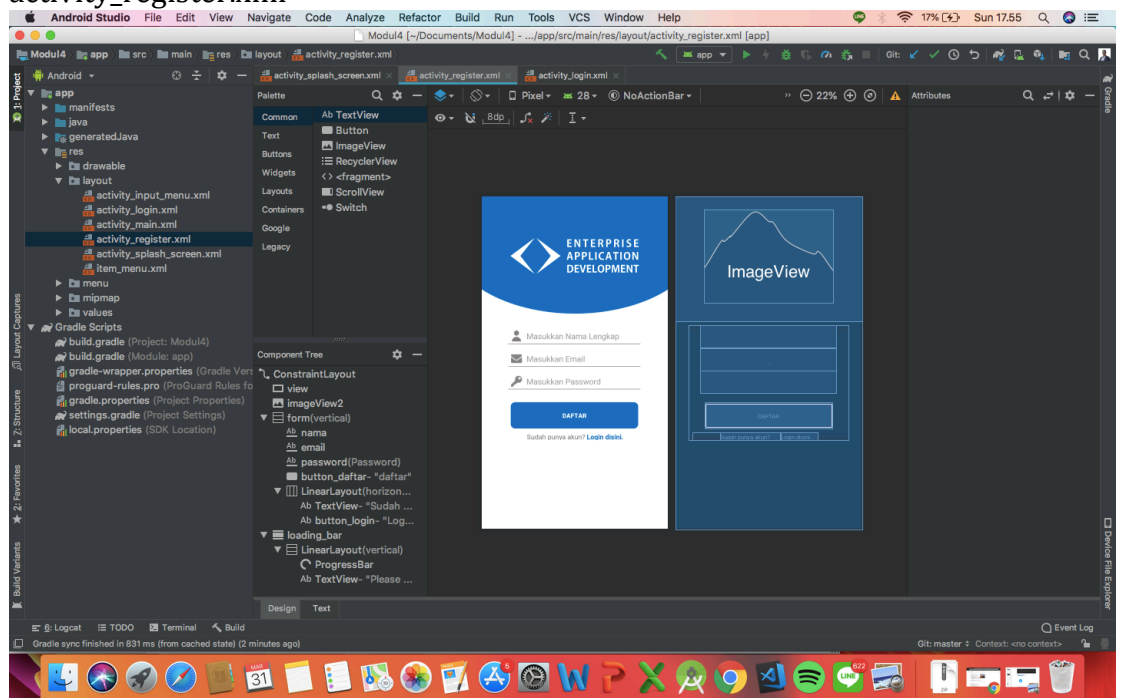
- activity_splash_screen.xml



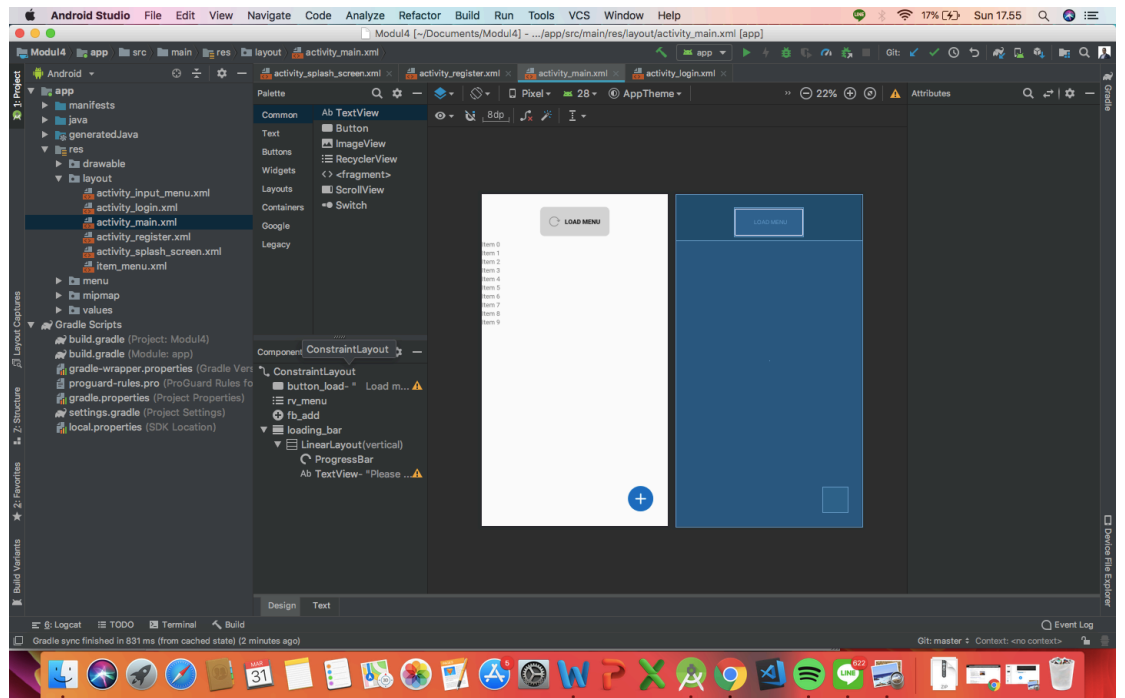
- activity_login.xml



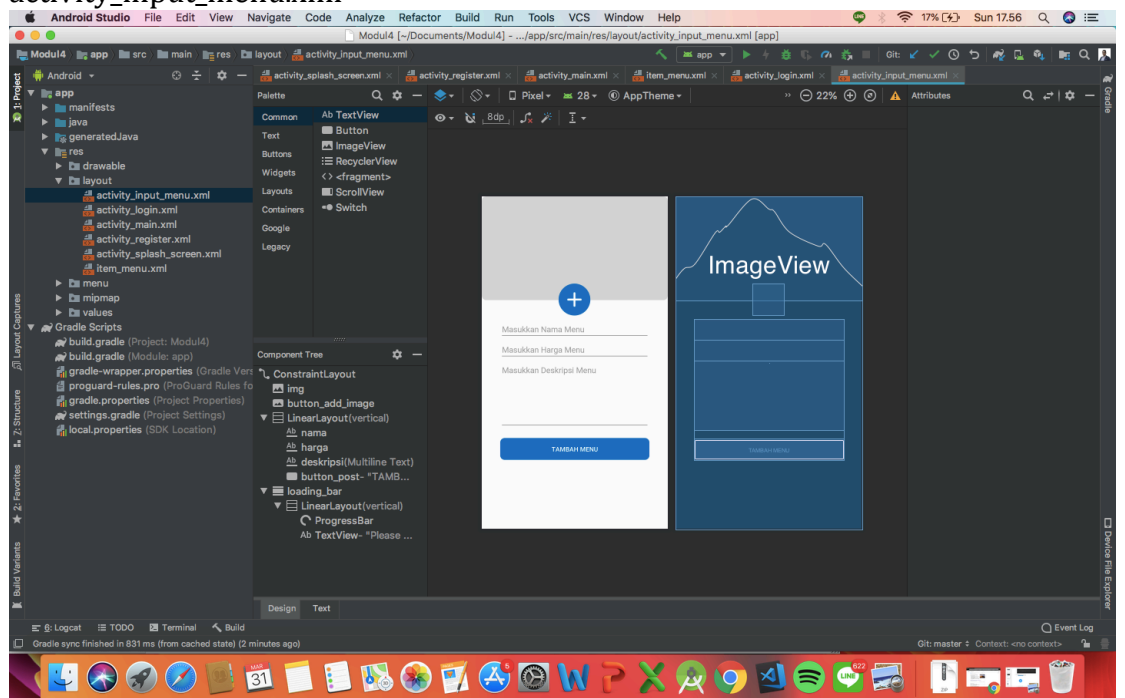
- activity_register.xml



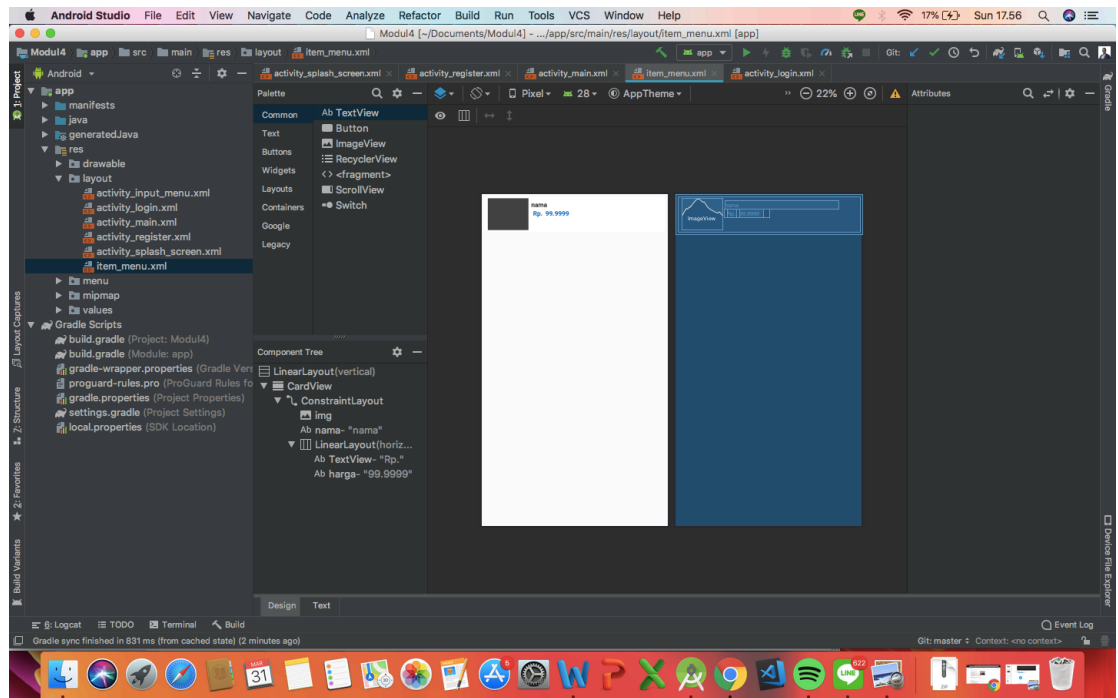
- activity_main.xml



- **activity_input_menu.xml**



- **item_menu.xml**



2. Source Code

- SplashScreenActivity.java

```
package com.example.modul4;

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

public class SplashScreenActivity extends AppCompatActivity {

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

        new Handler().postDelayed(new Runnable() {
            @Override
            public void run() {
                Intent homeIntent = new Intent(SplashScreenActivity.this,
                MainActivity.class);
                startActivity(homeIntent);
                finish();
            }
        }, 1000);
    }
}
```

- LoginActivity.java

```
package com.example.modul4;

import android.content.Intent;
import android.support.annotation.NonNull;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.support.v7.widget.CardView;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
```

```

import android.widget.TextView;
import android.widget.Toast;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

public class LoginActivity extends AppCompatActivity {

    private TextView button_register;
    private EditText email, password;
    private Button button_login;
    CardView loading_bar;

    //deklarasi Firebase
    FirebaseDatabase firebaseDatabase;
    DatabaseReference databaseReference;
    FirebaseAuth firebaseAuth;

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

        //initialize xml component
        button_register = findViewById(R.id.button_register);
        button_login = findViewById(R.id.button_login);
        email = findViewById(R.id.email);
        password = findViewById(R.id.password);
        loading_bar = findViewById(R.id.loading_bar);

        //setOnClickListener
        button_register.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                do_register();
            }
        });
        button_login.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                do_login();
            }
        });

    }
    public void do_register(){
        Intent intent = new Intent(this, RegisterActivity.class);
        this.startActivity(intent);
    }
    public void do_login(){
        loading_bar.setVisibility(View.VISIBLE);
        String emails = email.getText().toString();
        String passwords = password.getText().toString();

        firebaseAuth = FirebaseAuth.getInstance();

        if(!emails.equals("") && !passwords.equals("")) {

            firebaseAuth.signInWithEmailAndPassword(emails,
passwords).addOnCompleteListener(new OnCompleteListener<AuthResult>() {
                @Override

```

```
public void onComplete(@NonNull Task<AuthResult> task) {
    if(task.isSuccessful()){
        loading_bar.setVisibility(View.GONE);
        Intent intent = new Intent(getApplicationContext(), MainActivity.class);
        intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
        getApplicationContext().startActivity(intent);
    }else{
        Toast.makeText(getApplicationContext(), task.getException().getMessage(),
        Toast.LENGTH_SHORT).show();
    }
}
});
}

}

}
```

- RegisterActivity.java

```
package com.example.modul4;

import android.content.Intent;
import android.support.annotation.NonNull;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.support.v7.widget.CardView;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.AuthResult;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;

public class RegisterActivity extends AppCompatActivity {

    private TextView button_login;
    private EditText nama, email,password;
    private Button button_daftar;
    CardView loading_bar;

    FirebaseAuth firebaseAuth;
    FirebaseDatabase firebaseDatabase;
    DatabaseReference databaseReference;

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

        //initialize component xml
        button_login = findViewById(R.id.button_login);
        nama = findViewById(R.id.nama);
        email = findViewById(R.id.email);
        password = findViewById(R.id.password);
        button_daftar = findViewById(R.id.button_daftar);
        loading_bar = findViewById(R.id.loading_bar);

        //deklarasi firebase
```

```

firebaseDatabase = FirebaseDatabase.getInstance();
databaseReference = firebaseDatabase.getReference();

//initialize onClickListener
button_login.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        do_login();
    }
});
button_daftar.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        do_register();
    }
});

}
public void do_login(){
    Intent intent = new Intent(this, LoginActivity.class);
    this.startActivity(intent);
    finish();
}
public void do_register(){
    loading_bar.setVisibility(View.VISIBLE);
    final String emails = email.getText().toString();
    final String passwords = password.getText().toString();
    final String namas = nama.getText().toString();

    firebaseAuth = FirebaseAuth.getInstance();
    firebaseAuth.createUserWithEmailAndPassword(emails, passwords)
        .addOnCompleteListener(RegisterActivity.this, new
    OnCompleteListener<AuthResult>() {
        @Override
        public void onComplete(@NonNull Task<AuthResult> task) {

            if (!task.isSuccessful()) {

                Toast.makeText(RegisterActivity.this, "Authentication failed." +
task.getException(),
                    Toast.LENGTH_LONG).show();

            } else {
                email.setText("");
                password.setText("");
                nama.setText("");

                loading_bar.setVisibility(View.GONE);
                // THE USER ID
                String uid = task.getResult().getUser().getUid();
                RegisterData register = new RegisterData
                    (namas,emails,passwords);

                databaseReference.child("user").child(uid)
                    .setValue(register);

                Intent intent = new Intent(RegisterActivity.this, MainActivity.class);
                intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
                RegisterActivity.this.startActivity(intent);
                finish();

            }
        }
    });
}
}

```

- **RegisterData.java**

- ```
package com.example.modul4;

public class RegisterData {
 private String nama, email, password;

 public RegisterData(String nama, String email, String password) {
 this.nama = nama;
 this.email = email;
 this.password = password;
 }

 public String getNama() {
 return nama;
 }

 public void setNama(String nama) {
 this.nama = nama;
 }

 public String getEmail() {
 return email;
 }

 public void setEmail(String email) {
 this.email = email;
 }

 public String getPassword() {
 return password;
 }

 public void setPassword(String password) {
 this.password = password;
 }
}
```

- **MainActivity.java**

- ```
package com.example.modul4;

import android.content.DialogInterface;
import android.content.Intent;
import android.os.AsyncTask;
import android.support.annotation.NonNull;
import android.support.design.widget.FloatingActionButton;
import android.support.v7.app.AlertDialog;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.support.v7.widget.CardView;
import android.support.v7.widget.LinearLayoutManager;
import android.support.v7.widget.RecyclerView;
import android.util.Log;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;

import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.FirebaseApp;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DatabaseError;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.database.ValueEventListener;
```



```

import com.google.firebase.firestore.FirebaseFirestore;
import com.google.firebase.firestore.QueryDocumentSnapshot;
import com.google.firebase.firestore.QuerySnapshot;

import java.util.ArrayList;
import java.util.List;

public class MainActivity extends AppCompatActivity {

    private FloatingActionButton fb_add;
    private Button button_load;
    CardView loading_bar;

    private static final String TAG = "MyActivity";

    RecyclerView rv_menu;
    MenuAdapter adapter;
    ArrayList<MenuData2> menuArrayList;

    FirebaseFirestore firebaseFirestore;

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

        FirebaseApp.initializeApp(this);

        //initialize
        fb_add = findViewById(R.id.fb_add);
        button_load = findViewById(R.id.button_load);
        rv_menu = findViewById(R.id.rv_menu);
        loading_bar = findViewById(R.id.loading_bar);
        firebaseFirestore = FirebaseFirestore.getInstance();

        //onclick
        fb_add.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(MainActivity.this, InputMenuActivity.class);
                MainActivity.this.startActivity(intent);
            }
        });
        button_load.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                showDataAsycktask show = new showDataAsycktask();
                show.execute();
            }
        });

        //check user login
        checkUserLogin();

    }

    public void checkUserLogin(){
        if(FirebaseAuth.getInstance().getCurrentUser() == null){
            Intent intent = new Intent(this, LoginActivity.class);
            intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
            this.startActivity(intent);
            finish();
        }
    }
}

```



```

        }
    }
});

    return null;
}

@Override
protected void onPreExecute() {
    super.onPreExecute();
    loading_bar.setVisibility(View.VISIBLE);
}

}

public boolean onCreateOptionsMenu(Menu menu) {
    getMenuInflater().inflate(R.menu.menu, menu);
    return super.onCreateOptionsMenu(menu);
}

public boolean onOptionsItemSelected(MenuItem item) {
    switch (item.getItemId()) {
        case R.id.logout:
            do_logout();
            break;
    }
    return super.onOptionsItemSelected(item);
}

@Override
protected void onStart() {
    super.onStart();
    FirebaseAuth.getInstance().getCurrentUser();
}

@Override
protected void onResume() {
    super.onResume();
    FirebaseAuth.getInstance().getCurrentUser();
}

@Override
protected void onStop() {
    super.onStop();
    FirebaseAuth.getInstance().getCurrentUser();
}

}

```

- **MenuAdapter.java**

- `package com.example.modul4;`

```

import android.content.Context;
import android.support.annotation.NonNull;
import android.support.v7.widget.RecyclerView;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;

```

```

import android.widget.TextView;

import com.bumptech.glide.Glide;

import java.util.ArrayList;

public class MenuAdapter extends RecyclerView.Adapter<MenuAdapter.menuViewHolder> {

    Context context;
    ArrayList<MenuData2> dataList;

    public MenuAdapter(Context context, ArrayList<MenuData2> dataList) {
        this.context = context;
        this.dataList = dataList;
    }
    @NonNull
    @Override
    public MenuAdapter.menuViewHolder onCreateViewHolder(@NonNull ViewGroup
viewGroup, int i) {
        LayoutInflater inflater = LayoutInflater.from(viewGroup.getContext());
        View view = inflater.inflate(R.layout.item_menu, viewGroup, false);
        return new menuViewHolder(view);

    }

    @Override
    public void onBindViewHolder(@NonNull MenuAdapter.menuViewHolder
menuViewHolder, int i) {
        menuViewHolder.nama.setText(dataList.get(i).getNama());
        menuViewHolder.harga.setText(dataList.get(i).getHarga());
        Glide.with(context)
            .load(dataList.get(i).getImgUrl())
            .into(menuViewHolder.img);

    }

    @Override
    public int getItemCount() {
        return dataList.size();
    }
    public class menuViewHolder extends RecyclerView.ViewHolder{

        private TextView nama, harga;
        private ImageView img;

        public menuViewHolder(@NonNull View itemView) {
            super(itemView);

            img = itemView.findViewById(R.id.img);
            nama = itemView.findViewById(R.id.nama);
            harga = itemView.findViewById(R.id.harga);
        }
    }
}

```

- **MenuData.java**

- ```

package com.example.modul4;

public class MenuData {

 private String nama, harga, deskripsi, imgUrl;

 public MenuData(String nama, String harga, String deskripsi, String imgUrl) {
 this.nama = nama;
 this.harga = harga;
 this.deskripsi = deskripsi;
 this.imgUrl = imgUrl;
 }
}

```

```

 }

 public String getNama() {
 return nama;
 }

 public void setNama(String nama) {
 this.nama = nama;
 }

 public String getHarga() {
 return harga;
 }

 public void setHarga(String harga) {
 this.harga = harga;
 }

 public String getDeskripsi() {
 return deskripsi;
 }

 public void setDeskripsi(String deskripsi) {
 this.deskripsi = deskripsi;
 }

 public String getImgUrl() {
 return imgUrl;
 }

 public void setImgUrl(String imgUrl) {
 this.imgUrl = imgUrl;
 }
}

```

- **MenuData2.java**

- `package com.example.modul4;`

```

public class MenuData2 {
 private String nama, harga, imgUrl;

 public MenuData2(String nama, String harga, String imgUrl) {
 this.nama = nama;
 this.harga = harga;
 this.imgUrl = imgUrl;
 }

 public String getNama() {
 return nama;
 }

 public void setNama(String nama) {
 this.nama = nama;
 }

 public String getHarga() {
 return harga;
 }

 public void setHarga(String harga) {
 this.harga = harga;
 }

 public String getImgUrl() {
 return imgUrl;
 }
}

```

```

 public void setImgUrl(String imgUrl) {
 this.imgUrl = imgUrl;
 }
 }
}

```

- **InputMenuActivity.java**

```

• package com.example.modul4;

import android.content.Intent;
import android.graphics.Bitmap;
import android.graphics.BitmapFactory;
import android.net.Uri;
import android.provider.MediaStore;
import android.support.annotation.NonNull;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.support.v7.widget.CardView;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.ImageButton;
import android.widget.ImageView;
import android.Manifest;
import android.widget.TextView;
import android.widget.Toast;

import com.google.android.gms.auth.api.signin.internal.Storage;
import com.google.android.gms.tasks.OnFailureListener;
import com.google.android.gms.tasks.OnSuccessListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.FirebaseAuth;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.firestore.DocumentReference;
import com.google.firebase.firestore.FirebaseFirestore;
import com.google.firebase.storage.FirebaseStorage;
import com.google.firebase.storage.StorageReference;
import com.google.firebase.storage.UploadTask;

import java.io.FileNotFoundException;
import java.io.IOException;
import java.io.InputStream;
import java.util.HashMap;
import java.util.Map;
import java.util.UUID;

public class InputMenuActivity extends AppCompatActivity {

 private ImageButton button_add_image;
 Button button_post;
 ImageView img;
 Bitmap selectedImage;
 EditText nama,harga,deskripsi;
 CardView loading_bar;

 private static int RESULT_LOAD_IMG = 1;

 private StorageReference mStorageRef;
 FirebaseAuth firebaseAuth;
 FirebaseDatabase firebaseDatabase;
 DatabaseReference databaseReference;

 FirebaseFirestore firebaseFirestore;

 Uri imageUri;

```

```

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

 button_add_image = findViewById(R.id.button_add_image);
 button_post = findViewById(R.id.button_post);
 img = findViewById(R.id.img);
 nama = findViewById(R.id.nama);
 harga = findViewById(R.id.harga);
 deskripsi = findViewById(R.id.deskripsi);
 loading_bar = findViewById(R.id.loading_bar);

 //firebase storage reference
 mStorageRef = FirebaseStorage.getInstance().getReference();
 //dekalari firebase
 firebaseDatabase = FirebaseDatabase.getInstance();
 databaseReference = firebaseDatabase.getReference("menu");
 firebaseFirestore = FirebaseFirestore.getInstance();

 button_add_image.setOnClickListener(new View.OnClickListener() {
 @Override
 public void onClick(View v) {
 openGalery();
 }
 });
 button_post.setOnClickListener(new View.OnClickListener() {
 @Override
 public void onClick(View v) {

 String getNama = nama.getText().toString();
 String getHarga = harga.getText().toString();
 String getDeskripsi = deskripsi.getText().toString();

 if(getNama.equals("") || getHarga.equals("") || getDeskripsi.equals("")){
 Toast.makeText(InputMenuActivity.this, "Lengkapi Data",
 Toast.LENGTH_SHORT).show();
 }else{
 uploadFirebase();
 }

 }
 });

}

public void openGalery() {
 Intent photoPickerIntent = new Intent(Intent.ACTION_PICK);
 photoPickerIntent.setType("image/*");
 startActivityForResult(photoPickerIntent, RESULT_LOAD_IMG);
}

public void uploadFirebase(){
 loading_bar.setVisibility(View.VISIBLE);
 final String getNama = nama.getText().toString();
 final String getHarga = harga.getText().toString();
 final String getDeskripsi = deskripsi.getText().toString();

 StorageReference riversRef = mStorageRef.child(getNama);
 riversRef.putFile(imageUri)
 .addOnSuccessListener(new OnSuccessListener<UploadTask.TaskSnapshot>() {
 @Override
 public void onSuccess(UploadTask.TaskSnapshot taskSnapshot) {
 loading_bar.setVisibility(View.GONE);
 // Get a URL to the uploaded content

```

```

 Uri downloadUrl = taskSnapshot.getDownloadUrl();

 String getDownloadUrl = downloadUrl.toString();

 MenuData menu = new MenuData
 (getNama.getHarga.getDeskripsi, getDownloadUrl);

 Map<String, String> inputMenu = new HashMap<>();
 inputMenu.put("name", getNama);
 inputMenu.put("harga", getHarga);
 inputMenu.put("imgUrl", getDownloadUrl);
 inputMenu.put("deskripsi", getDeskripsi);

 firebaseFirestore.collection("menu").add(inputMenu)
 .addOnSuccessListener(new OnSuccessListener<DocumentReference>() {
 @Override
 public void onSuccess(DocumentReference documentReference) {
 Toast.makeText(InputMenuActivity.this, "Uploaded",
 Toast.LENGTH_SHORT).show();
 Intent intent = new Intent(InputMenuActivity.this,
 MainActivity.class);
 intent.addFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
 InputMenuActivity.this.startActivity(intent);
 }
 });
 }
}

.addOnFailureListener(new OnFailureListener() {
 @Override
 public void onFailure(@NonNull Exception exception) {
 Toast.makeText(InputMenuActivity.this, "Failed",
 Toast.LENGTH_SHORT).show();
 }
});
}

@Override
protected void onActivityResult(int requestCode, int resultCode, Intent data) {
 super.onActivityResult(requestCode, resultCode, data);

 if (resultCode == RESULT_OK) {
 try {
 imageUri = data.getData();
 final InputStream imageStream = getContentResolver().openInputStream(imageUri);
 selectedImage = BitmapFactory.decodeStream(imageStream);
 img.setImageBitmap(selectedImage);
 } catch (FileNotFoundException e) {
 e.printStackTrace();
 Toast.makeText(InputMenuActivity.this, "failed", Toast.LENGTH_LONG).show();
 }

 } else {
 Toast.makeText(InputMenuActivity.this, "Pilih gambar
 dulu", Toast.LENGTH_LONG).show();
 }
}
}
}

```

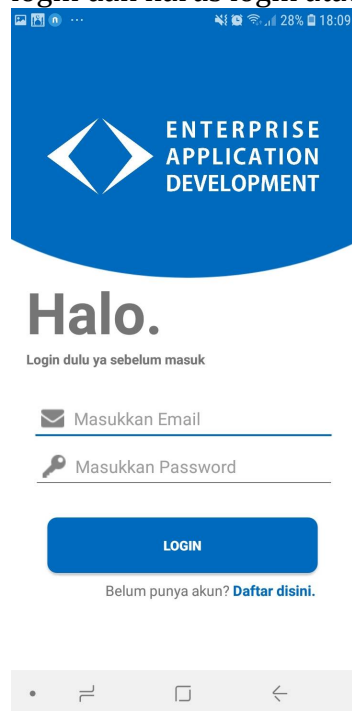
### 3. Run Application

- Tampilan Awal Aplikasi

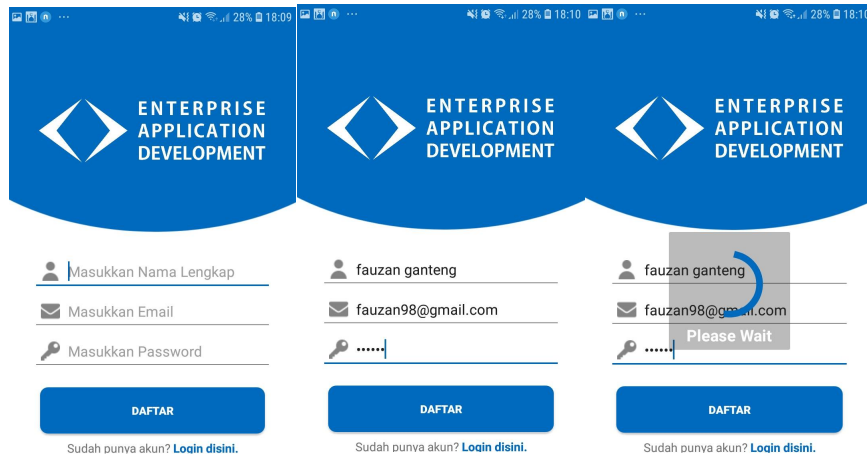




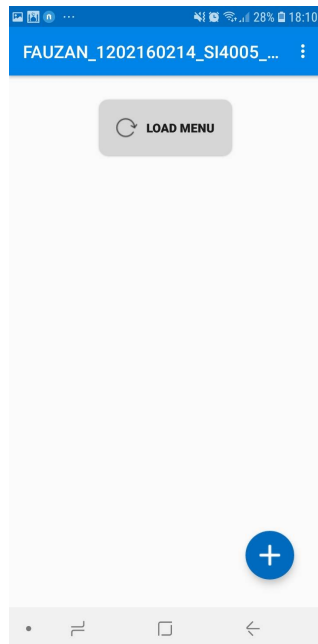
- Aplikasi akan membawa kita kehalaman login apabila kita belum login dan harus login atau register terlebih dahulu



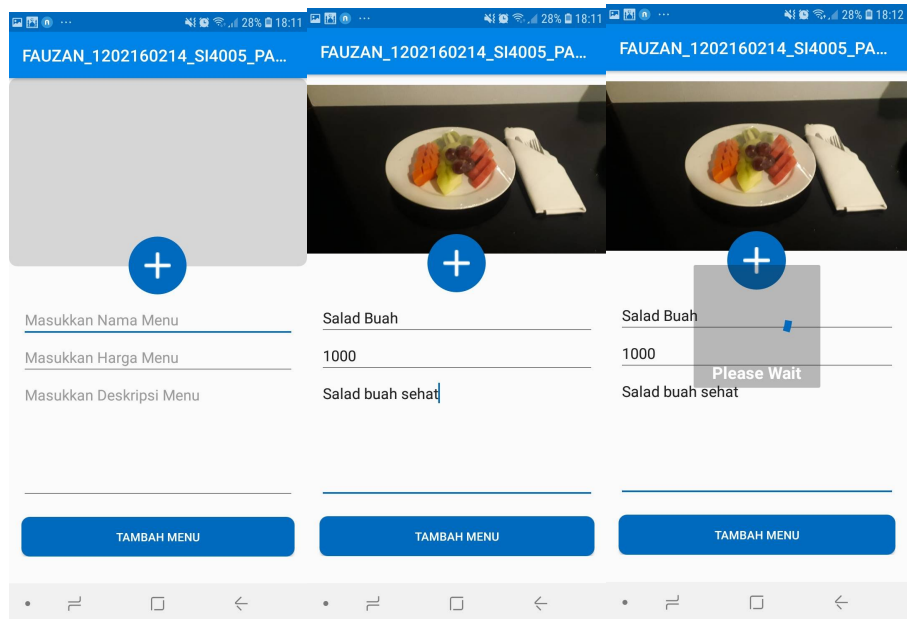
- Tampilan ketika kita mengklik tombol daftar disini



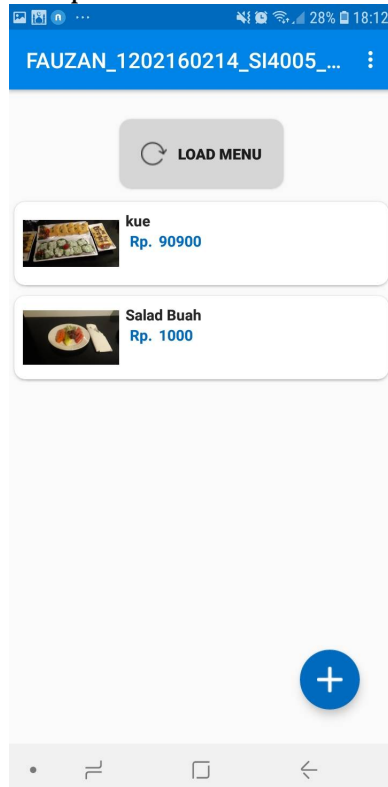
- Tampilan ketika kita telah login atau register maka otomatis kita akan berada di MainActivity



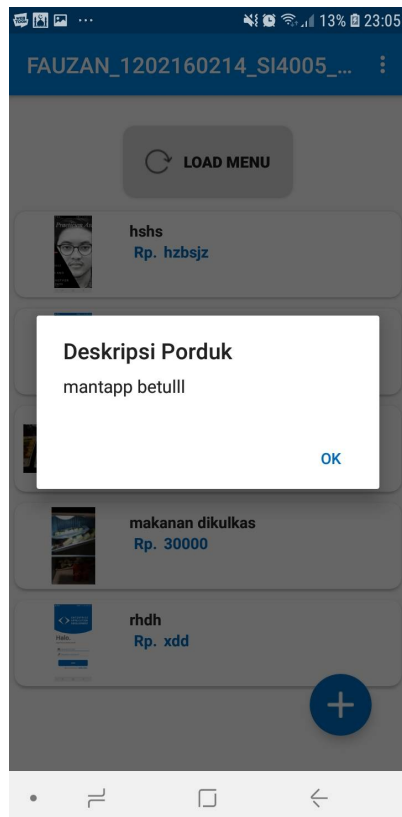
- Tampilan ketika mengklik FloatinActionButton pada MainActivity



- Tampilan ketika tombol load menu di klik



- Tampilan ketika menu di klik akan muncul deskripsi dari menunya



- Tampilan ketika kita klik menu logout diatas

