**TUGAS PRATIKUM MOBILE 4**

**Dosen Pengampu: Nurfiah, S.ST, M.Kom**



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**MEMBUAT EDIT DAN DELETE**

**A. PelangganActivity**

**Tambahan Java:**

private View.OnClickListener onClickListener = new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 v.startAnimation(btnAnimasi); // Menjalankan animasi tombol  
 RecyclerView.ViewHolder viewHolder = (RecyclerView.ViewHolder) v.getTag();  
 int position = viewHolder.getAdapterPosition();  
 ModelPelanggan mp = list.get(position); // Ambil data pelanggan dari posisi yang diklik  
 // kirim data ke activity lain  
 Intent intent= new Intent(PelangganActivity.this, PelangganEditActivity.class);  
 intent.putExtra("id", mp.getId());  
 intent.putExtra("name", mp.getNama());  
 intent.putExtra("email", mp.getEmail());  
 intent.putExtra("hp", mp.getHp());  
 startActivity(intent);  
 }  
 };

**B. PelangganEditActivity**

**Java:**

package id.myryan.laundry.pelanggan;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
import androidx.activity.EdgeToEdge;  
import androidx.appcompat.app.AlertDialog;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.graphics.Insets;  
import androidx.core.view.ViewCompat;  
import androidx.core.view.WindowInsetsCompat;  
  
import id.myryan.laundry.R;  
import id.myryan.laundry.database.SQLiteHelper;  
import id.myryan.laundry.model.ModelPelanggan;  
  
public class PelangganEditActivity extends AppCompatActivity {  
 // buat string yg digunakan utk menampung data yg dikirimkan dari pelangganactivity  
 String id, name, email, hp;  
  
 EditText et\_nama, et\_email, et\_hp;  
  
 Button btnSimpan, btnHapus, btnBatal;  
  
 SQLiteHelper db;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 EdgeToEdge.*enable*(this);  
 setContentView(R.layout.*activity\_pelanggan\_edit*);  
 ViewCompat.*setOnApplyWindowInsetsListener*(findViewById(R.id.*main*), (v, insets) -> {  
 Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.*systemBars*());  
 v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);  
 return insets;  
 });  
  
 db = new SQLiteHelper(this);  
  
 id = getIntent().getStringExtra("id");  
 name = getIntent().getStringExtra("name");  
 email = getIntent().getStringExtra("email");  
 hp = getIntent().getStringExtra("hp");  
  
 et\_nama = (EditText) findViewById(R.id.*edPelEditNama*);  
 et\_email = (EditText) findViewById(R.id.*edPelEditEmail*);  
 et\_hp = (EditText) findViewById(R.id.*edPelEditHp*);  
  
 et\_nama.setText(name);  
 et\_email.setText(email);  
 et\_hp.setText(hp);  
  
 btnSimpan = (Button) findViewById(R.id.*btnPelEditSimpan*);  
 btnHapus = (Button) findViewById(R.id.*btnPelEditHapus*);  
 btnBatal = (Button) findViewById(R.id.*btnPelEditBatal*);  
  
 btnSimpan.setOnClickListener(v -> updateCustomer());  
 btnHapus.setOnClickListener(v -> deleteCustomer());  
 btnBatal.setOnClickListener(v -> cancelEdit());  
  
 Toast.*makeText*(this, "ID: "+id+"\nName : "+name+"\nEmail : "+email+"\nHp : "+hp, Toast.*LENGTH\_SHORT*).show();  
 }  
  
 private void updateCustomer() {  
 String updatedName = et\_nama.getText().toString();  
 String updatedEmail = et\_email.getText().toString();  
 String updatedHp = et\_hp.getText().toString();  
  
 // Check if fields are empty  
 if (updatedName.isEmpty() || updatedEmail.isEmpty() || updatedHp.isEmpty()) {  
 Toast.*makeText*(this, "All fields must be filled", Toast.*LENGTH\_SHORT*).show();  
 return;  
 }  
  
 // Update the customer in the database  
 boolean isUpdated = db.updatePelanggan(id, updatedName, updatedEmail, updatedHp);  
 if (isUpdated) {  
 Toast.*makeText*(this, "Customer updated successfully", Toast.*LENGTH\_SHORT*).show();  
 //startActivity(new Intent(this,PelangganActivity.class));  
 PelangganActivity pa = new PelangganActivity();  
 pa.getData();  
 finish(); // Close the activity after successful update  
 } else {  
 Toast.*makeText*(this, "Failed to update customer", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
  
 // Delete customer from the database  
 private void deleteCustomer() {  
 // Confirmation dialog before deleting  
 new AlertDialog.Builder(this)  
 .setTitle("Delete Confirmation")  
 .setMessage("Are you sure you want to delete this customer?")  
 .setPositiveButton("Yes", (dialog, which) -> {  
 boolean isDeleted = db.deletePelanggan(id);  
 if (isDeleted) {  
 Toast.*makeText*(this, "Customer deleted successfully", Toast.*LENGTH\_SHORT*).show();  
 // After successful deletion, restart the PelangganActivity to reflect changes  
 Intent intent = new Intent(this, PelangganActivity.class);  
 intent.addFlags(Intent.*FLAG\_ACTIVITY\_CLEAR\_TOP* | Intent.*FLAG\_ACTIVITY\_NEW\_TASK*);  
 startActivity(intent);  
 finish(); // Close the current activity after deletion  
 } else {  
 Toast.*makeText*(this, "Failed to delete customer", Toast.*LENGTH\_SHORT*).show();  
 }  
 })  
 .setNegativeButton("No", null)  
 .show();  
 }  
 private void cancelEdit() {  
 finish();  
 }  
}

**C. LayananEdit Activity**

**Java:**

package id.myryan.laundry.layanan;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
import androidx.activity.EdgeToEdge;  
import androidx.appcompat.app.AlertDialog;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.graphics.Insets;  
import androidx.core.view.ViewCompat;  
import androidx.core.view.WindowInsetsCompat;  
  
import id.myryan.laundry.R;  
import id.myryan.laundry.database.SQLiteHelper;  
  
public class LayananEditActivity extends AppCompatActivity {  
  
 private String id, tipe, harga;  
 private EditText et\_tipe, et\_harga;  
 private Button btnSimpan, btnHapus, btnBatal;  
 private SQLiteHelper db;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 EdgeToEdge.*enable*(this);  
 setContentView(R.layout.*activity\_layanan\_edit*);  
  
 // Untuk menangani padding sistem  
 ViewCompat.*setOnApplyWindowInsetsListener*(findViewById(R.id.*main*), (v, insets) -> {  
 Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.*systemBars*());  
 v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);  
 return insets;  
 });  
  
 db = new SQLiteHelper(this);  
  
 id = getIntent().getStringExtra("id");  
 tipe = getIntent().getStringExtra("tipe");  
 harga = getIntent().getStringExtra("harga");  
  
 et\_tipe = findViewById(R.id.*edLayEditTipe*);  
 et\_harga = findViewById(R.id.*edLayEditHarga*);  
  
 et\_tipe.setText(tipe);  
 et\_harga.setText(harga);  
  
 btnSimpan = findViewById(R.id.*btnLayEditSimpan*);  
 btnHapus = findViewById(R.id.*btnLayEditHapus*);  
 btnBatal = findViewById(R.id.*btnLayEditBatal*);  
  
 btnSimpan.setOnClickListener(v -> updateLayanan());  
 btnHapus.setOnClickListener(v -> deleteLayanan());  
 btnBatal.setOnClickListener(v -> cancelEdit());  
  
 Toast.*makeText*(this, "ID: " + id + "\nTipe: " + tipe + "\nHarga: " + harga, Toast.*LENGTH\_SHORT*).show();  
 }  
  
 private void updateLayanan() {  
 String updatedTipe = et\_tipe.getText().toString();  
 String updatedHarga = et\_harga.getText().toString();  
  
 if (updatedTipe.isEmpty() || updatedHarga.isEmpty()) {  
 Toast.*makeText*(this, "All fields must be filled", Toast.*LENGTH\_SHORT*).show();  
 return;  
 }  
  
 boolean isUpdated = db.updateLayanan(id, updatedTipe, updatedHarga);  
 if (isUpdated) {  
 Toast.*makeText*(this, "Layanan updated successfully", Toast.*LENGTH\_SHORT*).show();  
 Intent intent = new Intent(this, LayananActivity.class);  
 intent.addFlags(Intent.*FLAG\_ACTIVITY\_CLEAR\_TOP* | Intent.*FLAG\_ACTIVITY\_NEW\_TASK*);  
 startActivity(intent);  
 finish();  
 } else {  
 Toast.*makeText*(this, "Failed to update layanan", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
  
 private void deleteLayanan() {  
 new AlertDialog.Builder(this)  
 .setTitle("Delete Confirmation")  
 .setMessage("Are you sure you want to delete this layanan?")  
 .setPositiveButton("Yes", (dialog, which) -> {  
 boolean isDeleted = db.deleteLayanan(id);  
 if (isDeleted) {  
 Toast.*makeText*(this, "Layanan deleted successfully", Toast.*LENGTH\_SHORT*).show();  
 Intent intent = new Intent(this, LayananActivity.class);  
 intent.addFlags(Intent.*FLAG\_ACTIVITY\_CLEAR\_TOP* | Intent.*FLAG\_ACTIVITY\_NEW\_TASK*);  
 startActivity(intent);  
 finish();  
 } else {  
 Toast.*makeText*(this, "Failed to delete layanan", Toast.*LENGTH\_SHORT*).show();  
 }  
 })  
 .setNegativeButton("No", null)  
 .show();  
 }  
  
 private void cancelEdit() {  
 finish();  
 }  
}

**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:id="@+id/main"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:padding="@dimen/lg"  
 android:background="@color/orangeputih"  
 tools:context=".layanan.LayananEditActivity">  
  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"  
 android:layout\_margin="@dimen/lg">  
  
 <TextView  
 android:textColor="@color/yellow"  
 android:textStyle="bold"  
 android:layout\_marginBottom="@dimen/lg"  
 android:textSize="23dp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="EDIT LAYANAN" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Layanan"  
 android:textSize="15sp"  
 android:textColor="@color/black"/>  
 <EditText  
 android:id="@+id/edLayEditTipe"  
 android:layout\_width="match\_parent"  
 android:layout\_height="60dp"  
 android:drawablePadding="@dimen/sm"  
 android:drawableLeft="@drawable/ic\_service"  
 android:layout\_marginTop="10dp"  
 android:padding="@dimen/md"  
 android:background="@drawable/border\_custom"/>  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
  
 <TextView  
 android:layout\_marginTop="@dimen/lg"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Harga"  
 android:textSize="15sp"  
 android:textColor="@color/black"/>  
  
 <EditText  
 android:id="@+id/edLayEditHarga"  
 android:layout\_width="match\_parent"  
 android:layout\_height="60dp"  
 android:layout\_marginTop="10dp"  
 android:background="@drawable/border\_custom"  
 android:drawableLeft="@drawable/ic\_harga2"  
 android:drawablePadding="@dimen/sm"  
 android:inputType="textEmailAddress"  
 android:padding="@dimen/md" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="40dp"  
 android:orientation="horizontal"  
 android:weightSum="3">  
  
  
 <Button  
 android:id="@+id/btnLayEditSimpan"  
 android:layout\_width="100dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginRight="20dp"  
 android:layout\_weight="1"  
 android:background="@drawable/custom\_button2"  
 android:text="Simpan"  
 android:textColor="@color/black" />  
  
 <Button  
 android:id="@+id/btnLayEditHapus"  
 android:layout\_width="100dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginRight="20dp"  
 android:layout\_weight="1"  
 android:background="@drawable/custom\_button"  
 android:text="Hapus"  
 android:textColor="@color/black" />  
  
 <Button  
 android:id="@+id/btnLayEditBatal"  
 android:layout\_marginLeft="20dp"  
 android:layout\_width="100dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="Batal"  
 android:background="@drawable/custom\_button3"/>  
 </LinearLayout>  
  
 </LinearLayout>  
</LinearLayout>