**NAME: MUSTAFA HUSSAIN**

**CLASS: BSE-6b**

**ENROLLMENT: 02-131192-004**

**REG#: 65120**

**GITHUB LINK:**

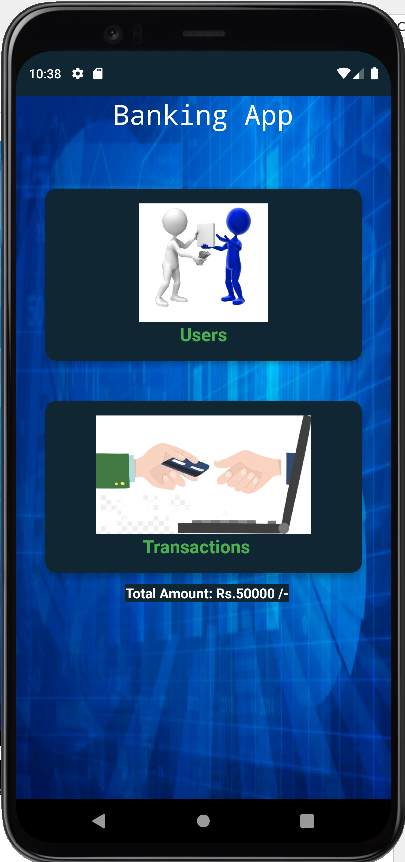
https://github.com/MHUSSAINZAIDI/BANK-SYSTEM

A close-up of a cell phone

Description automatically generated with low confidence

A picture containing text, monitor, screen, electronics

Description automatically generated



Graphical user interface, application

Description automatically generated

A screenshot of a phone

Description automatically generated with medium confidence

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generated

A screenshot of a computer

Description automatically generated with low confidence

CODE:

package com.internship.bank\_sparks;  
  
import android.content.Context;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
  
import androidx.annotation.NonNull;  
import androidx.recyclerview.widget.RecyclerView;  
  
import java.util.ArrayList;  
import java.util.List;  
  
public class CustomeAdapter\_sendtouser extends RecyclerView.Adapter<ViewHolder> {  
  
 sendtouser SendtoUser;  
 List<Model> modelList;  
 Context context;  
  
 public CustomeAdapter\_sendtouser(sendtouser sentoUser, List<Model> modelList) {  
 this.SendtoUser = sentoUser;  
 this.modelList = modelList;  
 }  
  
 @NonNull  
 @Override  
 public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {  
  
 View itemView = LayoutInflater.from(parent.getContext()).inflate(R.layout.userslist, parent, false);  
  
 ViewHolder viewHolder = new ViewHolder(itemView);  
 viewHolder.setOnClickListener(new ViewHolder.ClickListener() {  
 @Override  
 public void onItemClick(View view, int position) {  
 SendtoUser.selectuser(position);  
 }  
 });  
  
 return viewHolder;  
 }  
  
 @Override  
 public void onBindViewHolder(@NonNull ViewHolder holder, int position) {  
 holder.mName.setText(modelList.get(position).getName());  
 holder.mPhonenumber.setText(modelList.get(position).getPhoneno());  
 holder.mBalance.setText(modelList.get(position).getBalance());  
 }  
  
 @Override  
 public int getItemCount() {  
 return modelList.size();  
 }  
  
 public void setFilter(ArrayList<Model> newList){  
 modelList = new ArrayList<>();  
 modelList.addAll(newList);  
 notifyDataSetChanged();  
 }  
}

package com.internship.bank\_sparks;  
  
import android.content.Context;  
import android.graphics.Color;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.TextView;  
  
import androidx.annotation.NonNull;  
import androidx.recyclerview.widget.RecyclerView;  
  
import java.util.List;  
  
public class CustomerAdapter\_history extends RecyclerView.Adapter<ViewHolder> {  
  
 history\_list HistoryList;  
 List<Model> modelList;  
 Context context;  
  
 TextView mTransc\_status;  
  
 public CustomerAdapter\_history(history\_list historyList, List<Model> modelList) {  
 this.HistoryList = historyList;  
 this.modelList = modelList;  
 }  
  
 @NonNull  
 @Override  
 public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {  
  
 View itemView = LayoutInflater.*from*(parent.getContext()).inflate(R.layout.*transfer\_history\_list*, parent, false);  
  
 mTransc\_status = itemView.findViewById(R.id.*transaction\_status*);  
  
 ViewHolder viewHolder = new ViewHolder(itemView);  
 viewHolder.setOnClickListener(new ViewHolder.ClickListener() {  
 @Override  
 public void onItemClick(View view, int position) {  
  
 }  
 });  
  
 return viewHolder;  
 }  
  
 @Override  
 public void onBindViewHolder(@NonNull ViewHolder holder, int position) {  
 holder.mName1.setText(modelList.get(position).getName1());  
 holder.mName2.setText(modelList.get(position).getName2());  
 holder.mBalance.setText(modelList.get(position).getBalance());  
 holder.mDate.setText(modelList.get(position).getDate());  
 holder.mTransc\_status.setText(modelList.get(position).getTransaction\_status());  
  
 if(modelList.get(position).getTransaction\_status().equals("Failed")){  
 holder.mTransc\_status.setTextColor(Color.parseColor("#f40404"));  
 }else{  
 holder.mTransc\_status.setTextColor(Color.parseColor("#4BB543"));  
 }  
 }  
  
 @Override  
 public int getItemCount() {  
 return modelList.size();  
 }  
}

package com.internship.bank\_sparks;  
  
import android.content.Context;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import androidx.annotation.NonNull;  
import androidx.recyclerview.widget.RecyclerView;  
  
import java.util.List;  
  
public class CustomerAdapter\_userlist extends RecyclerView.Adapter<ViewHolder> {  
  
 user\_list UserList;  
 List<Model> modelList;  
 Context context;  
  
 public CustomerAdapter\_userlist(user\_list userList, List<Model> modelList) {  
 this.UserList = userList;  
 this.modelList = modelList;  
 }  
  
 @NonNull  
 @Override  
 public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {  
  
 View itemView = LayoutInflater.*from*(parent.getContext()).inflate(R.layout.*userslist*, parent, false);  
  
 ViewHolder viewHolder = new ViewHolder(itemView);  
 viewHolder.setOnClickListener(new ViewHolder.ClickListener() {  
 @Override  
 public void onItemClick(View view, int position) {  
 UserList.nextActivity(position);  
 }  
 });  
  
 return viewHolder;  
 }  
  
 @Override  
 public void onBindViewHolder(@NonNull ViewHolder holder, int position) {  
 holder.mName.setText(modelList.get(position).getName());  
 holder.mPhonenumber.setText(modelList.get(position).getPhoneno());  
 holder.mBalance.setText(modelList.get(position).getBalance());  
 }  
  
 @Override  
 public int getItemCount() {  
 return modelList.size();  
 }  
}

package com.internship.bank\_sparks;  
  
import android.content.ContentValues;  
import android.content.Context;  
import android.database.Cursor;  
import android.database.sqlite.SQLiteDatabase;  
import android.database.sqlite.SQLiteOpenHelper;  
  
import androidx.annotation.Nullable;  
  
public class DatabaseHelper extends SQLiteOpenHelper {  
 private String TABLE\_NAME = "user\_table";  
 private String TABLE\_NAME1 = "transfers\_table";  
  
 public DatabaseHelper(@Nullable Context context) {  
 super(context, "User.db", null, 1);  
 }  
  
 @Override  
 public void onCreate(SQLiteDatabase db) {  
 db.execSQL("create table " + TABLE\_NAME +" (PHONENUMBER INTEGER PRIMARY KEY ,NAME TEXT,BALANCE DECIMAL,EMAIL VARCHAR,ACCOUNT\_NO VARCHAR,IFSC\_CODE VARCHAR)");  
 db.execSQL("create table " + TABLE\_NAME1 +" (TRANSACTIONID INTEGER PRIMARY KEY AUTOINCREMENT,DATE TEXT,FROMNAME TEXT,TONAME TEXT,AMOUNT DECIMAL,STATUS TEXT)");  
 db.execSQL("insert into user\_table values(1234567890,'Umair',9472.00,'umairusmani33@gmail.com','XXXXXXXXXXXX1234','ABC09876543')");  
 db.execSQL("insert into user\_table values(2345678901,'Sparks',582.67,'sparks2@gmail.com','XXXXXXXXXXXX2341','BCA98765432')");  
 db.execSQL("insert into user\_table values(3456789012,'Grip',1359.56,'GRIP@thesparksfoundation@gmail.com','XXXXXXXXXXXX3412','CAB87654321')");  
 db.execSQL("insert into user\_table values(4567890123,'Sid',1500.01,'sid40@gmail.com','XXXXXXXXXXXX4123','ABC76543210')");  
 db.execSQL("insert into user\_table values(5678901234,'Ronaldo',2603.48,'ronaldo07@gmail.com','XXXXXXXXXXXX2345','BCA65432109')");  
 db.execSQL("insert into user\_table values(6789012345,'Harry',945.16,'kane10@gmail.com','XXXXXXXXXXXX3452','CAB54321098')");  
 db.execSQL("insert into user\_table values(7890123456,'Jack',5936.00,'jack.08@gmail.com','XXXXXXXXXXXX4523','ABC43210987')");  
 db.execSQL("insert into user\_table values(8901234567,'Shaw',857.22,'luke23@gmail.com','XXXXXXXXXXXX5234','BCA32109876')");  
 db.execSQL("insert into user\_table values(9012345678,'James',4398.46,'daniel21@gmail.com','XXXXXXXXXXXX3456','CAB21098765')");  
 db.execSQL("insert into user\_table values(1234567809,'Fred',273.90,'rodriguez17@gmail.com','XXXXXXXXXXXX4563','ABC10987654')");  
 }  
  
 @Override  
 public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {  
 db.execSQL("DROP TABLE IF EXISTS "+TABLE\_NAME);  
 db.execSQL("DROP TABLE IF EXISTS "+TABLE\_NAME1);  
 onCreate(db);  
 }  
  
 public Cursor readalldata(){  
 SQLiteDatabase db = this.getWritableDatabase();  
 Cursor cursor = db.rawQuery("select \* from user\_table", null);  
 return cursor;  
 }  
  
 public Cursor readparticulardata(String phonenumber){  
 SQLiteDatabase db = this.getWritableDatabase();  
 Cursor cursor = db.rawQuery("select \* from user\_table where phonenumber = " +phonenumber, null);  
 return cursor;  
 }  
  
 public Cursor readselectuserdata(String phonenumber) {  
 SQLiteDatabase db = this.getWritableDatabase();  
 Cursor cursor = db.rawQuery("select \* from user\_table except select \* from user\_table where phonenumber = " +phonenumber, null);  
 return cursor;  
 }  
  
 public void updateAmount(String phonenumber, String amount){  
 SQLiteDatabase db = this.getWritableDatabase();  
 db.execSQL("update user\_table set balance = " + amount + " where phonenumber = " +phonenumber);  
 }  
  
 public Cursor readtransferdata(){  
 SQLiteDatabase db = this.getWritableDatabase();  
 Cursor cursor = db.rawQuery("select \* from transfers\_table", null);  
 return cursor;  
 }  
  
 public boolean insertTransferData(String date,String from\_name, String to\_name, String amount, String status){  
 SQLiteDatabase db = this.getWritableDatabase();  
 ContentValues contentValues = new ContentValues();  
 contentValues.put("DATE", date);  
 contentValues.put("FROMNAME", from\_name);  
 contentValues.put("TONAME", to\_name);  
 contentValues.put("AMOUNT", amount);  
 contentValues.put("STATUS", status);  
 Long result = db.insert(TABLE\_NAME1, null, contentValues);  
 if(result == -1){  
 return false;  
 }else{  
 return true;  
 }  
 }  
}

package com.internship.bank\_sparks;  
  
import android.content.Intent;  
import android.database.Cursor;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.TextView;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.recyclerview.widget.LinearLayoutManager;  
import androidx.recyclerview.widget.RecyclerView;  
  
import java.text.NumberFormat;  
import java.util.ArrayList;  
import java.util.List;  
  
public class history\_list extends AppCompatActivity {  
 List<Model> modelList\_historylist = new ArrayList<>();  
 RecyclerView mRecyclerView;  
 RecyclerView.LayoutManager layoutManager;  
 CustomerAdapter\_history adapter;  
  
 TextView history\_empty;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_transfer\_history);  
  
 mRecyclerView = findViewById(R.id.recyclerview);  
 mRecyclerView.setHasFixedSize(true);  
 layoutManager = new LinearLayoutManager(this);  
 mRecyclerView.setLayoutManager(layoutManager);  
  
 history\_empty = findViewById(R.id.empty\_text);  
  
 showData();  
 }  
  
 private void showData() {  
 modelList\_historylist.clear();  
 Cursor cursor = new DatabaseHelper(this).readtransferdata();  
  
 while (cursor.moveToNext()) {  
 String balancefromdb = cursor.getString(4);  
 Double balance = Double.parseDouble(balancefromdb);  
  
 NumberFormat nf = NumberFormat.getNumberInstance();  
 nf.setGroupingUsed(true);  
 nf.setMaximumFractionDigits(2);  
 nf.setMinimumFractionDigits(2);  
 String price = nf.format(balance);  
  
 Model model = new Model(cursor.getString(2), cursor.getString(3), price, cursor.getString(1), cursor.getString(5));  
 modelList\_historylist.add(model);  
 }  
  
 adapter = new CustomerAdapter\_history(history\_list.this, modelList\_historylist);  
 mRecyclerView.setAdapter(adapter);  
  
 if(modelList\_historylist.size() == 0){  
 history\_empty.setVisibility(View.VISIBLE);  
 }  
  
 }  
  
}

package com.internship.bank\_sparks;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.signin);  
  
  
 TextView username =(TextView) findViewById(R.id.username);  
 TextView password =(TextView) findViewById(R.id.password);  
  
 Button loginbtn = (Button) findViewById(R.id.loginbtn);  
  
 *//admin and admin* loginbtn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 if(username.getText().toString().equals("admin") && password.getText().toString().equals("admin")){  
 *//correct* startActivity(new Intent(MainActivity.this,signin.class));  
 }else  
 *//incorrect* Toast.makeText(MainActivity.this,"LOGIN FAILED !!!",Toast.LENGTH\_SHORT).show();  
 }  
 });  
 }  
}

package com.internship.bank\_sparks;  
  
public class Model {  
 String phoneno, name, balance, name1, name2, date, transaction\_status;  
  
 public Model() {  
 }  
  
 public Model(String phoneno, String name, String balance) {  
 this.phoneno = phoneno;  
 this.name = name;  
 this.balance = balance;  
 }  
  
 public Model(String name1, String name2, String balance, String date, String transaction\_status) {  
 this.name1 = name1;  
 this.name2 = name2;  
 this.balance = balance;  
 this.date = date;  
 this.transaction\_status = transaction\_status;  
 }  
  
 public String getPhoneno() {  
 return phoneno;  
 }  
  
 public void setPhoneno(String phoneno) {  
 this.phoneno = phoneno;  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 public void setName(String name) {  
 this.name = name;  
 }  
  
 public String getBalance() {  
 return balance;  
 }  
  
 public void setBalance(String balance) {  
 this.balance = balance;  
 }  
  
 public String getName1() {  
 return name1;  
 }  
  
 public void setName1(String name1) {  
 this.name1 = name1;  
 }  
  
 public String getName2() {  
 return name2;  
 }  
  
 public void setName2(String name2) {  
 this.name2 = name2;  
 }  
  
 public String getDate() {  
 return date;  
 }  
  
 public void setDate(String date) {  
 this.date = date;  
 }  
  
 public String getTransaction\_status() {  
 return transaction\_status;  
 }  
  
 public void setTransaction\_status(String transaction\_status) {  
 this.transaction\_status = transaction\_status;  
 }  
  
}

package com.internship.bank\_sparks;  
  
import android.content.DialogInterface;  
import android.content.Intent;  
import android.database.Cursor;  
import android.os.Bundle;  
import android.util.Log;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.widget.SearchView;  
import android.widget.Toast;  
  
import androidx.appcompat.app.AlertDialog;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.view.MenuItemCompat;  
import androidx.recyclerview.widget.LinearLayoutManager;  
import androidx.recyclerview.widget.RecyclerView;  
  
import java.text.NumberFormat;  
import java.text.SimpleDateFormat;  
import java.util.ArrayList;  
import java.util.Calendar;  
import java.util.List;  
  
public class sendtouser extends AppCompatActivity {  
  
 List<Model> modelList\_sendtouser = new ArrayList<>();  
 RecyclerView mRecyclerView;  
 RecyclerView.LayoutManager layoutManager;  
 CustomeAdapter\_sendtouser adapter;  
  
 String phonenumber, name, currentamount, transferamount, remainingamount;  
 String selectuser\_phonenumber, selectuser\_name, selectuser\_balance, date;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_sendtouser*);  
  
 mRecyclerView = findViewById(R.id.*recyclerview*);  
 mRecyclerView.setHasFixedSize(true);  
 layoutManager = new LinearLayoutManager(this);  
 mRecyclerView.setLayoutManager(layoutManager);  
  
 Calendar calendar = Calendar.*getInstance*();  
 SimpleDateFormat simpleDateFormat = new SimpleDateFormat("dd-MMM-yyyy, hh:mm a");  
 date = simpleDateFormat.format(calendar.getTime());  
  
 Bundle bundle = getIntent().getExtras();  
 if(bundle != null){  
 phonenumber = bundle.getString("phonenumber");  
 name = bundle.getString("name");  
 currentamount = bundle.getString("currentamount");  
 transferamount = bundle.getString("transferamount");  
 showData(phonenumber);  
 }  
 }  
  
 private void showData(String phonenumber) {  
 modelList\_sendtouser.clear();  
 Log.*d*("DEMO",phonenumber);  
 Cursor cursor = new DatabaseHelper(this).readselectuserdata(phonenumber);  
 while(cursor.moveToNext()){  
 String balancefromdb = cursor.getString(2);  
 Double balance = Double.*parseDouble*(balancefromdb);  
  
 NumberFormat nf = NumberFormat.*getNumberInstance*();  
 nf.setGroupingUsed(true);  
 nf.setMaximumFractionDigits(2);  
 nf.setMinimumFractionDigits(2);  
 String price = nf.format(balance);  
  
 Model model = new Model(cursor.getString(0), cursor.getString(1), price);  
 modelList\_sendtouser.add(model);  
 }  
  
 adapter = new CustomeAdapter\_sendtouser(sendtouser.this, modelList\_sendtouser);  
 mRecyclerView.setAdapter(adapter);  
 }  
  
 public void selectuser(int position) {  
 selectuser\_phonenumber = modelList\_sendtouser.get(position).getPhoneno();  
 Cursor cursor = new DatabaseHelper(this).readparticulardata(selectuser\_phonenumber);  
 while(cursor.moveToNext()) {  
 selectuser\_name = cursor.getString(1);  
 selectuser\_balance = cursor.getString(2);  
 Double Dselectuser\_balance = Double.parseDouble(selectuser\_balance);  
 Double Dselectuser\_transferamount = Double.parseDouble(transferamount);  
 Double Dselectuser\_remainingamount = Dselectuser\_balance + Dselectuser\_transferamount;  
  
 new DatabaseHelper(this).insertTransferData(date, name, selectuser\_name, transferamount, "Success");  
 new DatabaseHelper(this).updateAmount(selectuser\_phonenumber, Dselectuser\_remainingamount.toString());  
 calculateAmount();  
 Toast.makeText(this, "Transaction Successful!", Toast.LENGTH\_LONG).show();  
 startActivity(new Intent(sendtouser.this, user\_list.class));  
 finish();  
 }  
 }  
  
 private void calculateAmount() {  
 Double Dcurrentamount = Double.parseDouble(currentamount);  
 Double Dtransferamount = Double.parseDouble(transferamount);  
 Double Dremainingamount = Dcurrentamount - Dtransferamount;  
 remainingamount = Dremainingamount.toString();  
 new DatabaseHelper(this).updateAmount(phonenumber, remainingamount);  
 }  
  
 @Override  
 public void onBackPressed() {  
 AlertDialog.Builder builder\_exitbutton = new AlertDialog.Builder(sendtouser.this);  
 builder\_exitbutton.setTitle("Do you want to cancel the transaction?").setCancelable(false)  
 .setPositiveButton("yes", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
 new DatabaseHelper(sendtouser.this).insertTransferData(date, name, "Not selected", transferamount, "Failed");  
 Toast.makeText(sendtouser.this, "Transaction Cancelled!", Toast.LENGTH\_LONG).show();  
 startActivity(new Intent(sendtouser.this, user\_list.class));  
 finish();  
 }  
 }).setNegativeButton("No", null);  
 AlertDialog alertexit = builder\_exitbutton.create();  
 alertexit.show();  
 }  
  
 @Override  
 public boolean onCreateOptionsMenu(Menu menu) {  
 getMenuInflater().inflate(R.menu.menu, menu);  
 MenuItem search = menu.findItem(R.id.action\_search);  
 SearchView searchView = (SearchView) MenuItemCompat.getActionView(search);  
 searchView.setOnQueryTextListener(new SearchView.OnQueryTextListener() {  
 @Override  
 public boolean onQueryTextSubmit(String query) {  
 return false;  
 }  
  
 @Override  
 public boolean onQueryTextChange(String newText) {  
 newText = newText.toLowerCase();  
 ArrayList<Model> newList = new ArrayList<>();  
 for(Model model : modelList\_sendtouser){  
 String name = model.getName().toLowerCase();  
 if(name.contains(newText)){  
 newList.add(model);  
 }  
 }  
 adapter.setFilter(newList);  
 return true;  
 }  
 });  
 return super.onCreateOptionsMenu(menu);  
 }  
}

package com.internship.bank\_sparks;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.ImageView;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class signin extends AppCompatActivity {  
 ImageView customer,transaction;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 customer=findViewById(R.id.*customer*);  
 transaction=findViewById(R.id.*Transactions*);  
  
 customer.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 startActivity(new Intent(signin.this,user\_list.class));  
 }  
 });  
 transaction.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 startActivity(new Intent(signin.this,history\_list.class));  
 }  
 });  
 }  
}

package com.internship.bank\_sparks;  
  
import android.app.Activity;  
import android.content.Intent;  
import android.os.Bundle;  
import android.os.Handler;  
import android.view.View;  
import android.view.animation.AnimationUtils;  
import android.widget.ImageView;  
import android.widget.TextView;  
  
public class SplashScreen extends Activity {  
  
 TextView designed, name, app\_name;  
 ImageView logo;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_splash\_screen);  
  
 logo = findViewById(R.id.logo);  
  
  
 new Handler().postDelayed(new Runnable() {  
 @Override  
 public void run() {  
  
 }  
 }, 1000);  
  
 new Handler().postDelayed(new Runnable() {  
 @Override  
 public void run() {  
  
  
 startActivity(new Intent(getApplicationContext(), MainActivity.class));  
 finish();  
  
 }  
 }, 2500);  
 }  
  
  
}

package com.internship.bank\_sparks;  
  
import android.app.ProgressDialog;  
import android.content.DialogInterface;  
import android.content.Intent;  
import android.database.Cursor;  
import android.os.Bundle;  
import android.util.Log;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.ProgressBar;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import androidx.appcompat.app.AlertDialog;  
import androidx.appcompat.app.AppCompatActivity;  
import java.text.NumberFormat;  
import java.text.SimpleDateFormat;  
import java.util.Calendar;  
  
  
public class user\_data extends AppCompatActivity {  
  
 ProgressDialog progressDialog;  
 String phonenumber;  
 Double newbalance;  
 TextView name, phoneNumber, email, account\_no, ifsc\_code, balance;  
 Button transfer\_button;  
 AlertDialog dialog;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_userdata*);  
  
 name = findViewById(R.id.*username*);  
 phoneNumber = findViewById(R.id.*userphonenumber*);  
 email = findViewById(R.id.*email*);  
 account\_no = findViewById(R.id.*account\_no*);  
 ifsc\_code = findViewById(R.id.*ifsc\_code*);  
 balance = findViewById(R.id.*balance*);  
 transfer\_button = findViewById(R.id.*transfer\_button*);  
  
 progressDialog = new ProgressDialog(user\_data.this);  
 progressDialog.setTitle("Loading data...");  
 progressDialog.show();  
  
 Bundle bundle = getIntent().getExtras();  
 if(bundle != null){  
 phonenumber = bundle.getString("phonenumber");  
 showData(phonenumber);  
 }  
  
 transfer\_button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 enterAmount();  
 }  
 });  
 }  
  
 private void showData(String phonenumber) {  
 Cursor cursor = new DatabaseHelper(this).readparticulardata(phonenumber);  
 while(cursor.moveToNext()) {  
 String balancefromdb = cursor.getString(2);  
 newbalance = Double.parseDouble(balancefromdb);  
  
 NumberFormat nf = NumberFormat.getNumberInstance();  
 nf.setGroupingUsed(true);  
 nf.setMaximumFractionDigits(2);  
 nf.setMinimumFractionDigits(2);  
 String price = nf.format(newbalance);  
  
 progressDialog.dismiss();  
  
 phoneNumber.setText(cursor.getString(0));  
 name.setText(cursor.getString(1));  
 email.setText(cursor.getString(3));  
 balance.setText(price);  
 account\_no.setText(cursor.getString(4));  
 ifsc\_code.setText(cursor.getString(5));  
 }  
  
 }  
  
 private void enterAmount() {  
 final AlertDialog.Builder mBuilder = new AlertDialog.Builder(user\_data.this);  
 View mView = getLayoutInflater().inflate(R.layout.activity\_transfer\_money, null);  
 mBuilder.setTitle("Enter amount").setView(mView).setCancelable(false);  
  
 final EditText mAmount = (EditText) mView.findViewById(R.id.enter\_money);  
  
 mBuilder.setPositiveButton("SEND", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
 }  
 }).setNegativeButton("CANCEL", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialog, int which) {  
 dialog.dismiss();  
 transactionCancel();  
 }  
 });  
  
 dialog = mBuilder.create();  
 dialog.show();  
 dialog.getButton(AlertDialog.BUTTON\_POSITIVE).setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 if(mAmount.getText().toString().isEmpty()){  
 mAmount.setError("Amount can't be empty");  
 }else if(Double.parseDouble(mAmount.getText().toString()) > newbalance){  
 mAmount.setError("Your account don't have enough balance");  
 }else{  
 Intent intent = new Intent(user\_data.this, sendtouser.class);  
 intent.putExtra("phonenumber", phoneNumber.getText().toString());  
 intent.putExtra("name", name.getText().toString());  
 intent.putExtra("currentamount", newbalance.toString());  
 intent.putExtra("transferamount", mAmount.getText().toString());  
 startActivity(intent);  
 finish();  
 }  
 }  
 });  
 }  
  
 private void transactionCancel() {  
 AlertDialog.Builder builder\_exitbutton = new AlertDialog.Builder(user\_data.this);  
 builder\_exitbutton.setTitle("Do you want to cancel the transaction?").setCancelable(false)  
 .setPositiveButton("yes", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialogInterface, int i) {  
  
 Calendar calendar = Calendar.getInstance();  
 SimpleDateFormat simpleDateFormat = new SimpleDateFormat("dd-MMM-yyyy, hh:mm a");  
 String date = simpleDateFormat.format(calendar.getTime());  
  
 new DatabaseHelper(user\_data.this).insertTransferData(date, name.getText().toString(), "Not selected", "0", "Failed");  
 Toast.makeText(user\_data.this, "Transaction Cancelled!", Toast.LENGTH\_LONG).show();  
 }  
 }).setNegativeButton("No", new DialogInterface.OnClickListener() {  
 @Override  
 public void onClick(DialogInterface dialog, int which) {  
 dialog.dismiss();  
 enterAmount();  
 }  
 });  
 AlertDialog alertexit = builder\_exitbutton.create();  
 alertexit.show();  
 }  
  
}

package com.internship.bank\_sparks;  
  
import android.app.ProgressDialog;  
import android.content.Intent;  
import android.content.SharedPreferences;  
import android.database.Cursor;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.ProgressBar;  
import android.widget.SearchView;  
import android.widget.Toast;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.view.MenuItemCompat;  
import androidx.recyclerview.widget.LinearLayoutManager;  
import androidx.recyclerview.widget.RecyclerView;  
  
import java.text.NumberFormat;  
import java.text.ParseException;  
import java.text.SimpleDateFormat;  
import java.util.ArrayList;  
import java.util.Calendar;  
import java.util.Date;  
import java.util.List;  
  
public class user\_list extends AppCompatActivity {  
 List<Model> modelList\_showlist = new ArrayList<>();  
 RecyclerView mRecyclerView;  
 RecyclerView.LayoutManager layoutManager;  
 CustomerAdapter\_userlist adapter;  
  
 String phonenumber;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_show\_allusers*);  
  
 mRecyclerView = findViewById(R.id.*recyclerview*);  
 mRecyclerView.setHasFixedSize(true);  
 layoutManager = new LinearLayoutManager(this);  
 mRecyclerView.setLayoutManager(layoutManager);  
  
 showData();  
 }  
  
 private void showData() {  
 modelList\_showlist.clear();  
 Cursor cursor = new DatabaseHelper(this).readalldata();  
 while(cursor.moveToNext()){  
 String balancefromdb = cursor.getString(2);  
 Double balance = Double.*parseDouble*(balancefromdb);  
  
 NumberFormat nf = NumberFormat.*getNumberInstance*();  
 nf.setGroupingUsed(true);  
 nf.setMaximumFractionDigits(2);  
 nf.setMinimumFractionDigits(2);  
 String price = nf.format(balance);  
  
 Model model = new Model(cursor.getString(0), cursor.getString(1), price);  
 modelList\_showlist.add(model);  
 }  
  
 adapter = new CustomerAdapter\_userlist(user\_list.this, modelList\_showlist);  
 mRecyclerView.setAdapter(adapter);  
  
 }  
  
 public void nextActivity(int position) {  
 phonenumber = modelList\_showlist.get(position).getPhoneno();  
 Intent intent = new Intent(user\_list.this, user\_data.class);  
 intent.putExtra("phonenumber",phonenumber);  
 startActivity(intent);  
 }  
  
  
  
  
}

package com.internship.bank\_sparks;  
  
import android.view.View;  
import android.widget.ImageView;  
import android.widget.TextView;  
  
import androidx.annotation.NonNull;  
import androidx.recyclerview.widget.RecyclerView;  
  
public class ViewHolder extends RecyclerView.ViewHolder {  
  
 TextView mName, mPhonenumber, mBalance, mRupee, mRupeeslash, mName1, mName2, mDate, mTransc\_status;  
 ImageView mPhone, mArrow;  
 View mView;  
  
 public ViewHolder(@NonNull View itemView) {  
 super(itemView);  
 mView = itemView;  
  
 mName = itemView.findViewById(R.id.*username*);  
 mPhonenumber = itemView.findViewById(R.id.*userphonenumber*);  
 mBalance = itemView.findViewById(R.id.*balance*);  
 mRupee = itemView.findViewById(R.id.*rupee*);  
 mRupeeslash = itemView.findViewById(R.id.*rupeeslash*);  
  
 mName1 = itemView.findViewById(R.id.*name1*);  
 mName2 = itemView.findViewById(R.id.*name2*);  
 mDate = itemView.findViewById(R.id.*date*);  
 mArrow = itemView.findViewById(R.id.*arrow*);  
 mTransc\_status = itemView.findViewById(R.id.*transaction\_status*);  
  
 itemView.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 mClickListener.onItemClick(view, getAdapterPosition());  
 }  
 });  
  
 }  
 private ViewHolder.ClickListener mClickListener;  
 public interface ClickListener{  
 void onItemClick(View view, int position);  
 }  
  
 public void setOnClickListener(ViewHolder.ClickListener clickListener){  
 mClickListener = clickListener;  
 }  
}