**CODING**

**SplashScreen\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.os.Handler;

public class SplashScreen extends Activity {

// Splash screen timer

private static int SPLASH\_TIME\_OUT = 3000;

@Override

protected void onCreate(Bundle savedInstanceState) {//entry point (Activity class - one method)

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_splash);//To connect xml(UI Design)

new Handler().postDelayed(new Runnable() {

/\*

\* Showing splash screen with a timer. This will be useful when we

\* want to show case our app logo

\*/

@Override

public void run() {

// This method will be executed once the timer is over

// Start your app main activity

Intent intent = new Intent(SplashScreen.this, Login\_Activity.class);//message for android system(OS)

startActivity(intent);//to start or launch a screen

// close this activity

finish();

}

}, SPLASH\_TIME\_OUT);

}

/\*void calender(){

Calendar calendar = Calendar.getInstance();

calendar.set(Calendar.HOUR\_OF\_DAY, 12);

calendar.set(Calendar.MINUTE, 30);

calendar.set(Calendar.SECOND, 0);

Intent intent1 = new Intent(SplashScreen.this, NotifyReceiver.class);

PendingIntent pendingIntent = PendingIntent.getBroadcast(SplashScreen.this, 0,intent1, PendingIntent.FLAG\_UPDATE\_CURRENT);

AlarmManager am = (AlarmManager) SplashScreen.this.getSystemService(SplashScreen.this.ALARM\_SERVICE);

am.setRepeating(AlarmManager.RTC\_WAKEUP, calendar.getTimeInMillis(), AlarmManager.INTERVAL\_DAY, pendingIntent);

}\*/

}

**Activity\_splash.xml:**

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#9C27B0">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_centerInParent="true"

android:orientation="vertical">

<ImageView

android:id="@+id/imageView1"

android:layout\_gravity="center\_horizontal"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:src="@drawable/splash" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center\_horizontal"

android:textSize="24sp"

android:textStyle="bold"

android:textColor="#FFF"

android:text="Personal Finance Management" />

</LinearLayout>

</RelativeLayout>

**Login\_Activity.java:**

package com.personalfinanceapp;

import android.annotation.TargetApi;

import android.app.Activity;

import android.content.Intent;

import android.os.Build;

import android.os.Bundle;

import android.text.Html;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

import com.personalfinanceapp.database.DatabaseHandler;

public class Login\_Activity extends Activity {

Button login, formregistration;

EditText etUserName, etPassword;

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_login);

addButtonListener();

}

private void addButtonListener() {

//initial...

etUserName = (EditText) findViewById(R.id.edit\_username);//findviewById -->to create objects for xml tags.

etPassword = (EditText) findViewById(R.id.edit\_password);

login = (Button) findViewById(R.id.formlogin);

formregistration = (Button) findViewById(R.id.formregistration);

login.setOnClickListener(new View.OnClickListener() {

public void onClick(View v) {//button click listener

if (validate()) {

DatabaseHandler db = new DatabaseHandler(Login\_Activity.this);

if (db.isLoin(etUserName.getText().toString(), etPassword.getText().toString())) {

Intent intent = new Intent(Login\_Activity.this, Dashboard\_Activity.class);

startActivity(intent);

} else {

Toast.makeText(Login\_Activity.this, "Invalid username/password.", Toast.LENGTH\_SHORT).show();

}

}

}

});

formregistration.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

// TODO Auto-generated method stub

Intent intent = new Intent(Login\_Activity.this, Registration\_Activity.class);

startActivity(intent);

}

});

}

@TargetApi(Build.VERSION\_CODES.GINGERBREAD)

public boolean validate() {

boolean valid = true;

String email = etUserName.getText().toString();

String password = etPassword.getText().toString();

if (email.isEmpty()) {

etUserName.setError(Html.fromHtml("<font color='red'>Invalide Username</font>"));//setError --> to show error

valid = false;

} else {

etUserName.setError(null);

}

if (password.isEmpty()) {

etPassword.setError(Html.fromHtml("<font color='red'>Invalide Password</font>"));

valid = false;

} else {

etPassword.setError(null);

}

return valid;

}}

**Activity\_login.xml:**

<?xml version="1.0" encoding="UTF-8"?>

<!-- Root Element or Parent tag -->

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="fill\_parent"

android:layout\_height="fill\_parent"

android:orientation="vertical" >

<TextView

android:id="@+id/login"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="35dp"

android:gravity="center\_horizontal"

android:text="LOGIN"

android:textAppearance="?android:attr/textAppearanceLarge"

android:textColor="#000000" />

<TextView

android:id="@+id/txt\_username"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="35dp"

android:text="UserName :"

android:textColor="#000000" />

<EditText

android:id="@+id/edit\_username"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<TextView

android:id="@+id/txt\_password"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Password :"

android:textColor="#000000" />

<EditText

android:id="@+id/edit\_password"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp"

android:inputType="textPassword" />

<Button

android:id="@+id/formlogin"

android:layout\_width="170dp"

android:layout\_height="45dp"

android:layout\_gravity="center"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp"

android:layout\_marginTop="20dp"

android:text="Login" />

<Button

android:id="@+id/formregistration"

android:layout\_width="170dp"

android:layout\_height="45dp"

android:layout\_gravity="center"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp"

android:layout\_marginTop="20dp"

android:text="Sign Up" />

</LinearLayout>

**Registration\_Activity\_java:**

package com.personalfinanceapp;

import java.util.HashMap;

import java.util.Map;

import com.android.volley.AuthFailureError;

import com.android.volley.Request;

import com.android.volley.RequestQueue;

import com.android.volley.Response;

import com.android.volley.VolleyError;

import com.android.volley.toolbox.StringRequest;

import com.personalfinanceapp.database.DatabaseHandler;

import android.annotation.TargetApi;

import android.app.Activity;

import android.app.ProgressDialog;

import android.content.Context;

import android.content.Intent;

import android.content.SharedPreferences;

import android.os.Build;

import android.os.Bundle;

import android.text.Html;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import android.widget.Toast;

public class Registration\_Activity extends Activity

{

Button btn\_registration;

EditText et\_name,et\_username,et\_password,et\_phone,et\_email,et\_scode;

@Override

protected void onCreate(Bundle savedInstanceState)

{

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_registration);

addButtonListener();

}

private void addButtonListener()

{

et\_name = (EditText) findViewById(R.id.et\_name);

et\_username = (EditText) findViewById(R.id.et\_username);

et\_password = (EditText) findViewById(R.id.et\_password);

et\_phone = (EditText) findViewById(R.id.et\_phone);

et\_email = (EditText) findViewById(R.id.et\_email);

et\_scode = (EditText) findViewById(R.id.et\_scode);

btn\_registration = (Button) findViewById(R.id.btn\_registration);

btn\_registration.setOnClickListener(new View.OnClickListener()

{

public void onClick(View v)

{

if(validate()) {

DatabaseHandler db = new DatabaseHandler(Registration\_Activity.this);

db.addRegistration(et\_name.getText().toString(),et\_username.getText().toString(),et\_password.getText().toString(),et\_phone.getText().toString(),et\_email.getText().toString());

SharedPreferences sharedpreferences = getSharedPreferences("security\_code", Context.MODE\_PRIVATE);

SharedPreferences.Editor edt=sharedpreferences.edit();

edt.putString("scode",et\_scode.getText().toString());

edt.commit();

Intent intent = new Intent(Registration\_Activity.this, Dashboard\_Activity.class);

startActivity(intent);

}

}

});

}

public boolean validate()

{

boolean valid = true;

String mName,mUserName,mPassword,mPhone,mEmail,mSecurtyCode;

mName = et\_name.getText().toString();

mUserName = et\_username.getText().toString();

mPassword = et\_password.getText().toString();

mPhone = et\_phone.getText().toString();

mEmail = et\_email.getText().toString();

mSecurtyCode=et\_scode.getText().toString();

if(mName.isEmpty() || mName.length() < 3)

{

et\_name.setError(Html.fromHtml("<font color='red'>Atleast 3 charcter.</font>"));

valid = false;

} else

{

et\_name.setError(null);

}

if(mUserName.isEmpty() || mUserName.length() < 3)

{

et\_username.setError(Html.fromHtml("<font color='red'>Atleast 3 charcter.</font>"));

valid = false;

} else

{

et\_username.setError(null);

}

if (mPassword.isEmpty() || mPassword.length() < 3)

{

et\_password.setError(Html.fromHtml("<font color='red'>Invalid Password.</font>"));

valid = false;

} else

{

et\_password.setError(null);

}

if (mPhone.isEmpty() || mPhone.length() < 10)

{

et\_phone.setError(Html.fromHtml("<font color='red'>Invalid Phone Number.</font>"));

valid = false;

} else

{

et\_phone.setError(null);

}

if ( mPhone.length() >=10)

{

long pno=Long.parseLong(et\_phone.getText().toString());

if(pno==0) {

et\_phone.setError(Html.fromHtml("<font color='red'>Invalid Phone Number.</font>"));

valid = false;

}

}

if (mEmail.isEmpty() || mEmail.length() < 3)

{

et\_email.setError(Html.fromHtml("<font color='red'>Invalid Email.</font>"));

valid = false;

} else

{

et\_email.setError(null);

}

if (!et\_email.getText().toString().matches("[a-zA-Z0-9.\_-]+@[a-z]+.[a-z]+")) {

et\_email.setError(Html.fromHtml("<font color='red'>Invalid Email.</font>"));

Toast.makeText(getApplicationContext(),"Invalid Email Address",Toast.LENGTH\_LONG).show();

valid = false;

}

if (!et\_email.getText().toString().contains(".com")) {

Toast.makeText(getApplicationContext(),"Invalid Email Address",Toast.LENGTH\_LONG).show();

valid = false;

}

/\*if (!android.util.Patterns.EMAIL\_ADDRESS.matcher(et\_email.getText().toString()).matches()) {

et\_email.setError(Html.fromHtml("<font color='red'>Invalid Email.</font>"));

valid = false;

}\*/

if (mSecurtyCode.isEmpty() || mSecurtyCode.length() < 3)

{

et\_scode.setError(Html.fromHtml("<font color='red'>Minimum 3 digits</font>"));

valid = false;

} else

{

et\_scode.setError(null);

}

return valid;

}

}

**Activity\_registrtion.xml:**

<?xml version="1.0" encoding="UTF-8"?>

<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"

android:id="@+id/scroll"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content">

<LinearLayout

android:id="@+id/container"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="vertical">

<TextView

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="20dp"

android:gravity="center\_horizontal"

android:text="Registration Form"

android:textAppearance="?android:attr/textAppearanceLarge"

android:textColor="#000000" />

<TextView

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Name"

android:textColor="#000000" />

<EditText

android:id="@+id/et\_name"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<TextView

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="UserName"

android:textColor="#000000" />

<EditText

android:id="@+id/et\_username"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<TextView

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Password :"

android:textColor="#000000" />

<EditText

android:id="@+id/et\_password"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp"

android:inputType="textPassword" />

<TextView

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Phone Number :"

android:textColor="#000000" />

<EditText

android:id="@+id/et\_phone"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:inputType="phone"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<TextView

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Email :"

android:textColor="#000000" />

<EditText

android:id="@+id/et\_email"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<TextView

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Security Code :"

android:textColor="#000000" />

<EditText

android:id="@+id/et\_scode"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<Button

android:id="@+id/btn\_registration"

android:layout\_width="200dp"

android:layout\_height="45dp"

android:layout\_gravity="center"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp"

android:layout\_marginTop="10dp"

android:text="Sign Up" />

</LinearLayout>

</ScrollView>

**DashBoard\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.content.Context;

import android.content.Intent;

import android.content.SharedPreferences;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.ImageButton;

import android.widget.LinearLayout;

import android.widget.Toast;

public class Dashboard\_Activity extends Activity {

ImageButton account, report, graph, ib\_add\_info,ib\_notification;

LinearLayout ll\_password;

EditText et\_password;

Button btn\_submit;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_dashboard);

account = (ImageButton) findViewById(R.id.account);

report = (ImageButton) findViewById(R.id.report);

graph = (ImageButton) findViewById(R.id.graph);

ib\_add\_info = (ImageButton) findViewById(R.id.ib\_add\_info);

ib\_notification = (ImageButton) findViewById(R.id.ib\_notification);

account.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent(Dashboard\_Activity.this, Account\_Activity.class);

startActivity(intent);

}

});

report.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

PasswordLayout();

}

});

graph.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

startActivity(new Intent(getApplicationContext(), Graphs\_Home\_Activity.class));

}

});

ib\_add\_info.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent(Dashboard\_Activity.this, AddInfo\_Activity.class);

startActivity(intent);

}

});

ib\_notification.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Intent intent = new Intent(Dashboard\_Activity.this, AndroidTimeActivity.class);

startActivity(intent);

}

});

}

private void PasswordLayout() {

ll\_password = (LinearLayout) findViewById(R.id.ll\_password);

ll\_password.setVisibility(View.VISIBLE);

et\_password = (EditText) findViewById(R.id.et\_password);

btn\_submit = (Button) findViewById(R.id.btn\_submit);

btn\_submit.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String \_password = et\_password.getText().toString();

SharedPreferences sharedpreferences = getSharedPreferences("security\_code", Context.MODE\_PRIVATE);

String scode=sharedpreferences.getString("scode", "def");

//Toast.makeText(getApplicationContext(),""+scode,Toast.LENGTH\_LONG).show();

if (\_password.contains(scode)) {

ll\_password.setVisibility(View.GONE);

Intent intent = new Intent(Dashboard\_Activity.this, Reports\_Activity.class);

startActivity(intent);

} else {

Toast.makeText(getApplicationContext(), "Invalid password.", Toast.LENGTH\_SHORT).show();

}

}

});

}

}

**Activity\_dashboard.xml:**

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

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#F1F1F1">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_centerInParent="true"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="Personal Finance Management"

android:textColor="#FFF"

android:textSize="20sp" />

</RelativeLayout>

<ScrollView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_marginBottom="5dp"

android:layout\_marginTop="50dp">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical">

<ImageView

android:layout\_width="match\_parent"

android:layout\_height="250dp"

android:background="@drawable/logo"

android:padding="8dp" />

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="horizontal">

<RelativeLayout

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="8dp"

android:layout\_marginTop="8dp"

android:layout\_weight="1"

android:background="#2196F3">

<ImageButton

android:id="@+id/ib\_add\_info"

android:layout\_width="75dp"

android:layout\_height="75dp"

android:layout\_centerHorizontal="true"

android:layout\_margin="20dp"

android:background="@drawable/ic\_bank" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/ib\_add\_info"

android:background="#1976D2"

android:gravity="center\_horizontal"

android:padding="5dp"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="Add Info"

android:textColor="#FFF"

android:textSize="18sp"

android:textStyle="bold" />

</RelativeLayout>

<RelativeLayout

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="8dp"

android:layout\_marginRight="8dp"

android:layout\_marginTop="8dp"

android:layout\_weight="1"

android:background="#00BBA6">

<ImageButton

android:id="@+id/account"

android:layout\_width="75dp"

android:layout\_height="75dp"

android:layout\_centerHorizontal="true"

android:layout\_margin="20dp"

android:background="@drawable/ic\_accounts" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/account"

android:background="#00796B"

android:gravity="center\_horizontal"

android:padding="5dp"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="Add Expenses"

android:textColor="#FFF"

android:textSize="18sp"

android:textStyle="bold" />

</RelativeLayout>

</LinearLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="horizontal">

<RelativeLayout

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="8dp"

android:layout\_marginTop="8dp"

android:layout\_weight="1"

android:background="#9C27B0">

<ImageButton

android:id="@+id/report"

android:layout\_width="75dp"

android:layout\_height="75dp"

android:layout\_centerHorizontal="true"

android:layout\_margin="20dp"

android:background="@drawable/ic\_report" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/report"

android:background="#7B1FA2"

android:gravity="center\_horizontal"

android:padding="5dp"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="Report"

android:textColor="#FFF"

android:textSize="18sp"

android:textStyle="bold" />

</RelativeLayout>

<RelativeLayout

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="8dp"

android:layout\_marginRight="8dp"

android:layout\_marginTop="8dp"

android:layout\_weight="1"

android:background="#4CAF50">

<ImageButton

android:id="@+id/graph"

android:layout\_width="75dp"

android:layout\_height="75dp"

android:layout\_centerHorizontal="true"

android:layout\_margin="20dp"

android:background="@drawable/ic\_graph" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/graph"

android:background="#388E3C"

android:gravity="center\_horizontal"

android:padding="5dp"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="Graph"

android:textColor="#FFF"

android:textSize="18sp"

android:textStyle="bold" />

</RelativeLayout>

</LinearLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="horizontal">

<RelativeLayout

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="8dp"

android:layout\_marginRight="8dp"

android:layout\_marginTop="8dp"

android:layout\_weight="1"

android:background="#795548">

<ImageButton

android:id="@+id/ib\_notification"

android:layout\_width="75dp"

android:layout\_height="75dp"

android:layout\_centerHorizontal="true"

android:layout\_margin="20dp"

android:background="@drawable/ic\_notification" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/ib\_notification"

android:background="#3E2723"

android:gravity="center\_horizontal"

android:padding="5dp"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="Notification"

android:textColor="#FFF"

android:textSize="18sp"

android:textStyle="bold" />

</RelativeLayout>

</LinearLayout>

</LinearLayout>

</ScrollView>

<LinearLayout

android:id="@+id/ll\_password"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_margin="50dp"

android:visibility="gone"

android:layout\_centerInParent="true"

android:background="#88000000"

android:orientation="vertical">

<EditText

android:id="@+id/et\_password"

android:textColor="#FFF"

android:hint="Enter password"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_margin="16dp"

android:ems="10" />

<Button

android:id="@+id/btn\_submit"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_margin="16dp"

android:background="#F44336"

android:textColor="#FFF"

android:textSize="24sp"

android:text="Submit"

android:ems="10" />

</LinearLayout>

</RelativeLayout>

**AddInfo\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.ImageButton;

public class AddInfo\_Activity extends Activity{

ImageButton ic\_back;

Button btn\_insurance\_policies,btn\_bank\_account\_details,btn\_monthly\_expenses\_limit;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.add\_details\_activity);

ic\_back = (ImageButton) findViewById(R.id.ic\_back);

btn\_insurance\_policies = (Button) findViewById(R.id.btn\_insurance\_policies);

btn\_bank\_account\_details = (Button) findViewById(R.id.btn\_bank\_account\_details);

btn\_monthly\_expenses\_limit = (Button) findViewById(R.id.btn\_monthly\_expenses\_limit);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

btn\_insurance\_policies.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

startActivity(new Intent(AddInfo\_Activity.this, Insurance\_Activity.class));

}

});

btn\_bank\_account\_details.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

startActivity(new Intent(AddInfo\_Activity.this,BankDetails\_Activity.class));

}

});

btn\_monthly\_expenses\_limit.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

startActivity(new Intent(AddInfo\_Activity.this,Maximumvalues\_Activity.class));

}

});

}

}

**Adddetails\_activity.xml:**

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

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:background="#F1F1F1" >

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6" >

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_centerInParent="true"

android:layout\_height="wrap\_content"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="20sp"

android:text="Bank, Insurance Policies"/>

</RelativeLayout>

<Button

android:id="@+id/btn\_insurance\_policies"

android:layout\_width="match\_parent"

android:layout\_margin="16dp"

android:drawableLeft="@drawable/ic\_insurence"

android:drawablePadding="8dp"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:gravity="left|center\_vertical"

android:shadowDy="1"

android:shadowRadius="0.6"

android:paddingLeft="16dp"

android:textSize="18sp"

android:text="Insurance Policies"

android:background="#E91E63"

android:layout\_height="wrap\_content" />

<Button

android:id="@+id/btn\_bank\_account\_details"

android:layout\_width="match\_parent"

android:layout\_margin="16dp"

android:drawableLeft="@drawable/ic\_bank\_cards"

android:drawablePadding="8dp"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:gravity="left|center\_vertical"

android:shadowRadius="0.6"

android:paddingLeft="16dp"

android:textSize="18sp"

android:text="Bank Account Details"

android:background="#673AB7"

android:layout\_height="wrap\_content" />

<Button

android:id="@+id/btn\_monthly\_expenses\_limit"

android:layout\_width="match\_parent"

android:layout\_margin="16dp"

android:drawableLeft="@drawable/ic\_expence\_limit"

android:drawablePadding="8dp"

android:paddingLeft="16dp"

android:gravity="left|center\_vertical"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="18sp"

android:text="Monthly Expenses Limit"

android:background="#9C27B0"

android:layout\_height="wrap\_content" />

</LinearLayout>

**Insurance\_Activity.java:**

package com.personalfinanceapp;

import android.annotation.TargetApi;

import android.app.Activity;

import android.app.DatePickerDialog;

import android.app.Dialog;

import android.os.Build;

import android.os.Bundle;

import android.text.Html;

import android.view.View;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.EditText;

import android.widget.ImageButton;

import android.widget.TextView;

import android.widget.Toast;

import com.personalfinanceapp.database.DatabaseHandler;

import java.util.Calendar;

public class Insurance\_Activity extends Activity implements View.OnClickListener {

Button btn\_save;

EditText edit\_insurance\_policy\_number, edit\_insurance\_provider, edit\_insurance\_due\_date, edit\_insurance\_period, edit\_premimum;

ImageButton ib\_insurance\_due\_date, ib\_insurance\_period;

String select;

DatabaseHandler db;

String fg = "due";

private Calendar cal;

private int day;

private int month;

private int year;

private DatePickerDialog.OnDateSetListener datePickerListener = new DatePickerDialog.OnDateSetListener() {

public void onDateSet(DatePicker view, int selectedYear, int selectedMonth, int selectedDay) {

if (fg.equals("due")) {

edit\_insurance\_due\_date.setText(selectedDay + "-" + (selectedMonth + 1) + "-" + selectedYear);

}

if (fg.equals("ins\_per")) {

edit\_insurance\_period.setText(selectedDay + "-" + (selectedMonth + 1) + "-" + selectedYear);

}

}

};

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_insurancepolicies);

ImageButton ic\_back = (ImageButton) findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

db = new DatabaseHandler(this);

//Current Date

cal = Calendar.getInstance();

day = cal.get(Calendar.DAY\_OF\_MONTH);

month = cal.get(Calendar.MONTH);

year = cal.get(Calendar.YEAR);

edit\_insurance\_policy\_number = (EditText) findViewById(R.id.edit\_insurance\_policy\_number);

edit\_insurance\_provider = (EditText) findViewById(R.id.edit\_insurance\_provider);

edit\_insurance\_due\_date = (EditText) findViewById(R.id.edit\_insurance\_due\_date);

edit\_insurance\_period = (EditText) findViewById(R.id.edit\_insurance\_period);

edit\_premimum = (EditText) findViewById(R.id.edit\_premimum);

btn\_save = (Button) findViewById(R.id.btn\_save);

ib\_insurance\_due\_date = (ImageButton) findViewById(R.id.ib\_insurance\_due\_date);

ib\_insurance\_period = (ImageButton) findViewById(R.id.ib\_insurance\_period);

ib\_insurance\_due\_date.setOnClickListener(this);

ib\_insurance\_period.setOnClickListener(this);

btn\_save.setOnClickListener(this);

}

@Override

public void onClick(View v) {

if (v == btn\_save) {

if(validate()) {

long ll = db.addInsurancePolicyDetails(Integer.parseInt(edit\_insurance\_policy\_number.getText().toString()), edit\_insurance\_provider.getText().toString(), edit\_insurance\_due\_date.getText().toString(), edit\_insurance\_period.getText().toString(), Integer.parseInt(edit\_premimum.getText().toString()));

Toast.makeText(Insurance\_Activity.this, "Data is inserted successfuly.", Toast.LENGTH\_SHORT).show();

}

}

if (v == ib\_insurance\_due\_date) {

fg = "due";

showDialog(0);

}

if (v == ib\_insurance\_period) {

fg = "ins\_per";

showDialog(0);

}

}

@Override

protected Dialog onCreateDialog(int id) {

return new DatePickerDialog(this, datePickerListener, year, month, day);

}

public boolean validate() {

boolean valid = true;

String policy\_number = edit\_insurance\_policy\_number.getText().toString();

String provider = edit\_insurance\_provider.getText().toString();

String due\_date = edit\_insurance\_due\_date.getText().toString();

if (policy\_number.isEmpty()) {

edit\_insurance\_policy\_number.setError(Html.fromHtml("<font color='red'>Invalid Policy Number</font>"));

valid = false;

} else {

edit\_insurance\_policy\_number.setError(null);

}

if (provider.isEmpty()) {

edit\_insurance\_provider.setError(Html.fromHtml("<font color='red'>Invalid Insurance Provider</font>"));

valid = false;

} else {

edit\_insurance\_provider.setError(null);

}

if (due\_date.isEmpty()) {

edit\_insurance\_due\_date.setError(Html.fromHtml("<font color='red'>Invalid Due Date</font>"));

valid = false;

} else {

edit\_insurance\_due\_date.setError(null);

}

return valid;

}

}

**activity\_insurancepolicies.java:**

<?xml version="1.0" encoding="UTF-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6" >

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_centerInParent="true"

android:layout\_height="wrap\_content"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="20sp"

android:text="Insurance Policy"/>

</RelativeLayout>

<LinearLayout

android:id="@+id/container"

android:layout\_width="match\_parent"

android:layout\_marginTop="55dp"

android:layout\_height="match\_parent"

android:orientation="vertical">

<TextView

android:id="@+id/txt\_insurance\_policy\_number"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Policy Number :"

android:textColor="#000000" />

<EditText

android:id="@+id/edit\_insurance\_policy\_number"

android:layout\_width="fill\_parent"

android:inputType="number"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<TextView

android:id="@+id/txt\_insurance\_provider"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Insurance Provider :"

android:textColor="#000000" />

<EditText

android:id="@+id/edit\_insurance\_provider"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<TextView

android:id="@+id/txt\_insurance\_due\_date"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Due Date :"

android:textColor="#000000" />

<LinearLayout

android:orientation="horizontal"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<EditText

android:id="@+id/edit\_insurance\_due\_date"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<ImageButton

android:id="@+id/ib\_insurance\_due\_date"

android:layout\_width="35dp"

android:layout\_weight="0"

android:layout\_height="35dp"

android:background="@drawable/calendar\_icon" />

</LinearLayout>

<TextView

android:id="@+id/txt\_insurance\_period"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Insurance Period :"

android:textColor="#000000" />

<LinearLayout

android:orientation="horizontal"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<EditText

android:id="@+id/edit\_insurance\_period"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_weight="1"

android:layout\_marginRight="20dp" />

<ImageButton

android:id="@+id/ib\_insurance\_period"

android:layout\_width="35dp"

android:layout\_weight="0"

android:layout\_height="35dp"

android:background="@drawable/calendar\_icon" />

</LinearLayout>

<TextView

android:id="@+id/txt\_premimum"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Premimum :"

android:textColor="#000000" />

<EditText

android:id="@+id/edit\_premimum"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<Button

android:id="@+id/btn\_save"

android:layout\_width="200dp"

android:layout\_height="45dp"

android:layout\_gravity="center"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp"

android:layout\_marginTop="10dp"

android:text="Save" />

</LinearLayout>

</RelativeLayout>

**BankDetails\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.os.Bundle;

import android.text.Html;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.ImageButton;

import android.widget.Toast;

import com.personalfinanceapp.database.DatabaseHandler;

public class BankDetails\_Activity extends Activity {

Button btn\_save;

EditText edit\_bank\_name, edit\_bank\_account, edit\_card\_no, edit\_bank\_pin;

String bank\_details, account\_no, card\_no, pin\_no;

DatabaseHandler db;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.acitivity\_bankdetails);

ImageButton ic\_back = (ImageButton) findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

db=new DatabaseHandler(this);

addButtonListener();

}

private void addButtonListener() {

edit\_bank\_name = (EditText) findViewById(R.id.edit\_bank\_name);

edit\_bank\_account = (EditText) findViewById(R.id.edit\_bank\_account);

edit\_card\_no = (EditText) findViewById(R.id.edit\_card\_no);

edit\_bank\_pin = (EditText) findViewById(R.id.edit\_bank\_pin);

btn\_save = (Button) findViewById(R.id.btn\_save);

btn\_save.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

if (validate()) {

long count=db.addBankDetails(bank\_details,Integer.parseInt(account\_no),Integer.parseInt(card\_no),Integer.parseInt(pin\_no));

if(count>0)

Toast.makeText(getApplication(), "Data is inserted.", Toast.LENGTH\_LONG).show();

}

}

});

}

public boolean validate() {

boolean valid = true;

bank\_details = edit\_bank\_name.getText().toString();

account\_no = edit\_bank\_account.getText().toString();

card\_no = edit\_card\_no.getText().toString();

pin\_no = edit\_bank\_pin.getText().toString();

if (bank\_details.isEmpty()) {

edit\_bank\_name.setError(Html.fromHtml("<font color='red'>Invalid Bank Name</font>"));

valid = false;

} else {

edit\_bank\_name.setError(null);

}

if (account\_no.isEmpty()) {

edit\_bank\_account.setError(Html.fromHtml("<font color='red'>Invalid Account Number</font>"));

valid = false;

} else {

edit\_bank\_account.setError(null);

}

if (card\_no.isEmpty()) {

edit\_card\_no.setError(Html.fromHtml("<font color='red'>Invalid Card Number</font>"));

valid = false;

} else {

edit\_card\_no.setError(null);

}

if (pin\_no.isEmpty()) {

edit\_bank\_pin.setError(Html.fromHtml("<font color='red'>Invalid Pin Number</font>"));

valid = false;

} else {

edit\_bank\_pin.setError(null);

}

return valid;

}

}

**Activity\_bankdetails.xml:**

<?xml version="1.0" encoding="UTF-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6" >

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_centerInParent="true"

android:layout\_height="wrap\_content"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="20sp"

android:text="Bank Details"/>

</RelativeLayout>

<LinearLayout

android:id="@+id/container"

android:layout\_width="match\_parent"

android:layout\_marginTop="55dp"

android:layout\_height="match\_parent"

android:orientation="vertical">

<TextView

android:id="@+id/txt\_bank\_name"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Bank Name :"

android:textColor="#000000" />

<EditText

android:id="@+id/edit\_bank\_name"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<TextView

android:id="@+id/txt\_bank\_account"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Bank Account :"

android:textColor="#000000" />

<EditText

android:id="@+id/edit\_bank\_account"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<TextView

android:id="@+id/txt\_cardno"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Card No :"

android:textColor="#000000" />

<EditText

android:id="@+id/edit\_card\_no"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<TextView

android:id="@+id/txt\_bank\_pin"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Pin :"

android:textColor="#000000" />

<EditText

android:id="@+id/edit\_bank\_pin"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<Button

android:id="@+id/btn\_save"

android:layout\_width="200dp"

android:layout\_height="45dp"

android:layout\_gravity="center"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp"

android:layout\_marginTop="10dp"

android:text="Save" />

</LinearLayout>

</RelativeLayout>

**MaximumValues\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.os.Build;

import android.os.Bundle;

import android.text.Html;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.ImageButton;

import android.widget.TextView;

import android.widget.Toast;

import com.personalfinanceapp.database.DatabaseHandler;

import java.util.HashMap;

public class Maximumvalues\_Activity extends Activity {

HashMap<String,Integer> hm;

Button btn\_save;

TextView title, txt\_maximum\_food\_value, txt\_maximum\_health\_value, txt\_maximum\_travel\_value, txt\_maximum\_education\_value,txt\_income\_value;

EditText edit\_maximum\_food\_value, edit\_maximum\_health\_value, edit\_maximum\_travel\_value, edit\_maximum\_education\_value,edit\_maximum\_income\_value;

DatabaseHandler db;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_maximumlimit);

ImageButton ic\_back = (ImageButton) findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

db=new DatabaseHandler(this);

hm= db.getAllMaxExpenses();

edit\_maximum\_food\_value = (EditText) findViewById(R.id.edit\_maximum\_food\_value);

edit\_maximum\_health\_value = (EditText) findViewById(R.id.edit\_maximum\_health\_value);

edit\_maximum\_travel\_value = (EditText) findViewById(R.id.edit\_maximum\_travel\_value);

edit\_maximum\_education\_value = (EditText) findViewById(R.id.edit\_maximum\_education\_value);

edit\_maximum\_income\_value = (EditText) findViewById(R.id.edit\_maximum\_income\_value);

if(hm.size()>0)

{

edit\_maximum\_food\_value.setText(""+hm.get(DatabaseHandler.KEY\_FOOD\_MAX\_EXPENSES));

edit\_maximum\_health\_value.setText(""+hm.get(DatabaseHandler.KEY\_HEALTH\_MAX\_EXPENSES));

edit\_maximum\_travel\_value.setText(""+hm.get(DatabaseHandler.KEY\_TRAVEL\_MAX\_EXPENSES));

edit\_maximum\_education\_value.setText(""+hm.get(DatabaseHandler.KEY\_EDUCATION\_MAX\_EXPENSES));

edit\_maximum\_income\_value.setText(""+hm.get(DatabaseHandler.KEY\_INCOME\_MAX\_EXPENSES));

}

btn\_save = (Button) findViewById(R.id.btn\_save);

btn\_save.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

if(validate()) {

int id = hm.get(DatabaseHandler.KEY\_ID);

int food = Integer.parseInt(edit\_maximum\_food\_value.getText().toString());

int health = Integer.parseInt(edit\_maximum\_health\_value.getText().toString());

int travel = Integer.parseInt(edit\_maximum\_travel\_value.getText().toString());

int edu = Integer.parseInt(edit\_maximum\_education\_value.getText().toString());

int inc = Integer.parseInt(edit\_maximum\_income\_value.getText().toString());

int count = db.getUpdateAllMaxExpenses(id, food, health, travel, edu, inc);

if (count > 0)

Toast.makeText(getApplication(), "Values are updated.", Toast.LENGTH\_LONG).show();

}

}

});

}

public boolean validate() {

boolean valid = true;

String food\_value = edit\_maximum\_food\_value.getText().toString();

String health\_value = edit\_maximum\_health\_value.getText().toString();

String travel\_value = edit\_maximum\_travel\_value.getText().toString();

String education\_value = edit\_maximum\_education\_value.getText().toString();

String income\_value= edit\_maximum\_income\_value.getText().toString();

if (food\_value.isEmpty()) {

edit\_maximum\_food\_value.setError(Html.fromHtml("<font color='red'>Invalid Policy Number</font>"));

valid = false;

} else {

edit\_maximum\_food\_value.setError(null);

}

if (health\_value.isEmpty()) {

edit\_maximum\_health\_value.setError(Html.fromHtml("<font color='red'>Invalid Insurance Provider</font>"));

valid = false;

} else {

edit\_maximum\_health\_value.setError(null);

}

if (travel\_value.isEmpty()) {

edit\_maximum\_travel\_value.setError(Html.fromHtml("<font color='red'>Invalid Due Date</font>"));

valid = false;

} else {

edit\_maximum\_travel\_value.setError(null);

}

if (education\_value.isEmpty()) {

edit\_maximum\_education\_value.setError(Html.fromHtml("<font color='red'>Invalid Due Date</font>"));

valid = false;

} else {

edit\_maximum\_education\_value.setError(null);

}

return valid;

}

}

**Activity\_maximumlimit.xml:**

<?xml version="1.0" encoding="UTF-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6" >

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_centerInParent="true"

android:layout\_height="wrap\_content"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="20sp"

android:text="Expenses Limit"/>

</RelativeLayout>

<LinearLayout

android:id="@+id/container"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_marginTop="55dp"

android:orientation="vertical">

<TextView

android:id="@+id/txt\_maximum\_food\_value"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Food Account :"

android:textColor="#000000" />

<EditText

android:id="@+id/edit\_maximum\_food\_value"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<TextView

android:id="@+id/txt\_maximum\_health\_value"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Health Account :"

android:textColor="#000000" />

<EditText

android:id="@+id/edit\_maximum\_health\_value"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<TextView

android:id="@+id/txt\_maximum\_travel\_value"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Travel Account :"

android:textColor="#000000" />

<EditText

android:id="@+id/edit\_maximum\_travel\_value"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<TextView

android:id="@+id/txt\_maximum\_education\_value"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="Entertainment Account :"

android:textColor="#000000" />

<EditText

android:id="@+id/edit\_maximum\_education\_value"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<TextView

android:id="@+id/txt\_maximum\_income\_value"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="10dp"

android:text="income :"

android:textColor="#000000" />

<EditText

android:id="@+id/edit\_maximum\_income\_value"

android:layout\_width="fill\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp" />

<Button

android:id="@+id/btn\_save"

android:layout\_width="200dp"

android:layout\_height="45dp"

android:layout\_gravity="center"

android:layout\_marginLeft="20dp"

android:layout\_marginRight="20dp"

android:layout\_marginTop="30dp"

android:text="Submit" />

</LinearLayout>

</RelativeLayout>

**AccountActivity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.ImageButton;

import android.widget.LinearLayout;

import android.widget.Toast;

public class Account\_Activity extends Activity

{

ImageButton ic\_back,food,entertainment,health,travel;

@Override

protected void onCreate(Bundle savedInstanceState)

{

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_accounts);

ic\_back = (ImageButton) findViewById(R.id.ic\_back);

food = (ImageButton) findViewById(R.id.food);

entertainment = (ImageButton) findViewById(R.id.entertai);

health = (ImageButton) findViewById(R.id.health);

travel = (ImageButton) findViewById(R.id.travel);

ic\_back.setOnClickListener(new View.OnClickListener()

{

@Override

public void onClick(View v) {

// TODO Auto-generated method stub

finish();

}

});

food.setOnClickListener(new View.OnClickListener()

{

@Override

public void onClick(View v) {

Intent intent = new Intent(Account\_Activity.this, Foodaccount\_Activity.class);

startActivity(intent);

}

});

entertainment.setOnClickListener(new View.OnClickListener()

{

@Override

public void onClick(View v) {

Intent intent = new Intent(Account\_Activity.this, Entertainment\_Activity.class);

startActivity(intent);

}

});

health.setOnClickListener(new View.OnClickListener()

{

@Override

public void onClick(View v) {

Intent intent = new Intent(Account\_Activity.this, Health\_Activity.class);

startActivity(intent);

}

});

travel.setOnClickListener(new View.OnClickListener()

{

@Override

public void onClick(View v) {

Intent intent = new Intent(Account\_Activity.this, Travel\_Activity.class);

startActivity(intent);

}

});

}

}

**Activity\_account.xml:**

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

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#F1F1F1">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6">

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_centerInParent="true"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="Accounts"

android:textColor="#FFF"

android:textSize="20sp" />

</RelativeLayout>

<ScrollView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_marginBottom="5dp"

android:layout\_marginTop="50dp">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical">

<ImageView

android:layout\_width="match\_parent"

android:layout\_height="250dp"

android:background="@drawable/bg\_account"

android:padding="8dp" />

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="horizontal">

<RelativeLayout

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="8dp"

android:layout\_marginRight="8dp"

android:layout\_marginTop="8dp"

android:layout\_weight="1"

android:background="#00BBA6">

<ImageButton

android:id="@+id/food"

android:layout\_width="75dp"

android:layout\_height="75dp"

android:layout\_centerHorizontal="true"

android:layout\_margin="20dp"

android:background="@drawable/ic\_food" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/food"

android:background="#00796B"

android:gravity="center\_horizontal"

android:padding="5dp"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="Food"

android:textColor="#FFF"

android:textSize="18sp"

android:textStyle="bold" />

</RelativeLayout>

<RelativeLayout

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_marginRight="8dp"

android:layout\_marginTop="8dp"

android:layout\_weight="1"

android:background="#9C27B0">

<ImageButton

android:id="@+id/entertai"

android:layout\_width="75dp"

android:layout\_height="75dp"

android:layout\_centerHorizontal="true"

android:layout\_margin="20dp"

android:background="@drawable/ic\_entertainment" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/entertai"

android:background="#7B1FA2"

android:gravity="center\_horizontal"

android:padding="5dp"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="Entertainment"

android:textColor="#FFF"

android:textSize="18sp"

android:textStyle="bold" />

</RelativeLayout>

</LinearLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="horizontal">

<RelativeLayout

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="8dp"

android:layout\_marginRight="8dp"

android:layout\_marginTop="8dp"

android:layout\_weight="1"

android:background="#4CAF50">

<ImageButton

android:id="@+id/travel"

android:layout\_width="75dp"

android:layout\_height="75dp"

android:layout\_centerHorizontal="true"

android:layout\_margin="20dp"

android:background="@drawable/ic\_tranvel" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/travel"

android:background="#388E3C"

android:gravity="center\_horizontal"

android:padding="5dp"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="Travel"

android:textColor="#FFF"

android:textSize="18sp"

android:textStyle="bold" />

</RelativeLayout>

<RelativeLayout

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:layout\_marginRight="8dp"

android:layout\_marginTop="8dp"

android:layout\_weight="1"

android:background="#2196F3">

<ImageButton

android:id="@+id/health"

android:layout\_width="75dp"

android:layout\_height="75dp"

android:layout\_centerHorizontal="true"

android:layout\_margin="20dp"

android:background="@drawable/ic\_health" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/health"

android:background="#1976D2"

android:gravity="center\_horizontal"

android:padding="5dp"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="Health"

android:textColor="#FFF"

android:textSize="18sp"

android:textStyle="bold" />

</RelativeLayout>

</LinearLayout>

</LinearLayout>

</ScrollView>

</RelativeLayout>

**Foodaccount\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.app.AlertDialog;

import android.app.DatePickerDialog;

import android.app.Dialog;

import android.app.ProgressDialog;

import android.content.Context;

import android.database.sqlite.SQLiteDatabase;

import android.graphics.Color;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.EditText;

import android.widget.ImageButton;

import android.widget.TextView;

import android.widget.Toast;

import com.android.volley.AuthFailureError;

import com.android.volley.Request;

import com.android.volley.RequestQueue;

import com.android.volley.Response;

import com.android.volley.VolleyError;

import com.android.volley.toolbox.StringRequest;

import com.personalfinanceapp.database.DatabaseHandler;

import com.personalfinanceapp.database.Expenses;

import java.util.Calendar;

import java.util.HashMap;

import java.util.Map;

public class Foodaccount\_Activity extends Activity implements View.OnClickListener {

DatabaseHandler db;

TextView welcome, date, cost,tv\_max\_limit;

Button submit;//viewall;

private ImageButton ib;

private Calendar cal;

private int day;

private int month;

private int year;

private String mDate="";

private EditText etDate, etCost,et\_description;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_foodaccount);

db= new DatabaseHandler(Foodaccount\_Activity.this);

// mDateButton = (Button) findViewById(R.id.date\_button);

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

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

cost = (TextView) findViewById(R.id.txtcost);

etCost = (EditText) findViewById(R.id.cost);

submit = (Button) findViewById(R.id.submit);

//viewall = (Button) findViewById(R.id.button1);

ib = (ImageButton) findViewById(R.id.imageButton1);

cal = Calendar.getInstance();

day = cal.get(Calendar.DAY\_OF\_MONTH);

month = cal.get(Calendar.MONTH);

year = cal.get(Calendar.YEAR);

mDate=year+"-"+String.format("%02d", (month + 1));

checkLimitExpense();

etDate = (EditText) findViewById(R.id.editText);

et\_description=(EditText) findViewById(R.id.et\_description);

ib.setOnClickListener(this);

submit.setOnClickListener(this);

//viewall.setOnClickListener(this);

ImageButton ic\_back=(ImageButton)findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

}

@Override

public void onClick(View v) {

if (v == submit) {

Expenses exp=new Expenses();

exp.setCategory(DatabaseHandler.KEY\_FOOD\_CATEGORY);

exp.setAmount(Integer.parseInt(etCost.getText().toString()));

exp.setDescription(et\_description.getText().toString());

exp.setDate(etDate.getText().toString());

long l=db.addExpensesDetails(exp);

Toast.makeText(Foodaccount\_Activity.this,"Data is inserted successfuly.",Toast.LENGTH\_SHORT).show();

clearText();

checkLimitExpense();

}

if (v == ib) {

showDialog(0);

}

}

ProgressDialog pd;

@Override

@Deprecated

protected Dialog onCreateDialog(int id) {

return new DatePickerDialog(this, datePickerListener, year, month, day);

}

private DatePickerDialog.OnDateSetListener datePickerListener = new DatePickerDialog.OnDateSetListener() {

public void onDateSet(DatePicker view, int selectedYear,

int selectedMonth, int selectedDay) {

etDate.setText(selectedDay + "-" + (selectedMonth + 1) + "-"

+ selectedYear);

}

};

public void clearText() {

etDate.setText("");

etCost.setText("");

etDate.requestFocus();

}

private void checkLimitExpense(){

DatabaseHandler db=new DatabaseHandler(getApplicationContext());

int total\_exp=db.getMonthTotalExpense(mDate, DatabaseHandler.KEY\_FOOD\_CATEGORY);

HashMap<String, Integer> hm=db. getAllMaxExpenses();

int max\_exp=hm.get(DatabaseHandler.KEY\_FOOD\_MAX\_EXPENSES);

tv\_max\_limit=(TextView)findViewById(R.id.tv\_max\_limit);

tv\_max\_limit.setText("Max. Month Food Limit : " + max\_exp+"\n This month, Total Food Exp : "+total\_exp);

if(total\_exp>max\_exp){

tv\_max\_limit.setTextColor(Color.RED);

Toast.makeText(getApplicationContext(),"Budget limit is crossed.",Toast.LENGTH\_LONG).show();

}

}

}

**Activity\_foodaccount.xml:**

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6" >

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_centerInParent="true"

android:layout\_height="wrap\_content"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="20sp"

android:text="Food Expenses"/>

</RelativeLayout>

<EditText

android:id="@+id/editText"

android:layout\_width="250dp"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="16dp"

android:layout\_marginTop="70dp"

android:editable="false">

<requestFocus />

</EditText>

<ImageButton

android:id="@+id/imageButton1"

android:layout\_width="40dp"

android:layout\_height="40dp"

android:layout\_alignBottom="@+id/editText"

android:layout\_toRightOf="@+id/editText"

android:cropToPadding="true"

android:background="@drawable/calendar\_icon" />

<EditText

android:id="@+id/cost"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_alignRight="@+id/editText"

android:layout\_below="@+id/editText"

android:layout\_marginTop="34dp"

android:ems="10" />

<TextView

android:id="@+id/date"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="55dp"

android:layout\_alignLeft="@+id/editText"

android:text="Date :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<TextView

android:id="@+id/txtcost"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/cost"

android:layout\_below="@+id/editText"

android:layout\_marginTop="16dp"

android:text="Cost :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<TextView

android:id="@+id/tv\_descroption"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_below="@+id/cost"

android:text="Description :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<EditText

android:id="@+id/et\_description"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_alignRight="@+id/editText"

android:layout\_below="@+id/tv\_descroption"

android:ems="10" />

<Button

android:id="@+id/submit"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/et\_description"

android:layout\_marginLeft="25dp"

android:layout\_marginTop="25dp"

android:text="Submit" />

<TextView

android:id="@+id/tv\_max\_limit"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/submit"

android:text="Maximum Limit : " />

</RelativeLayout>

**Entertainment\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.app.DatePickerDialog;

import android.app.Dialog;

import android.app.ProgressDialog;

import android.graphics.Color;

import android.os.Bundle;

import android.support.v7.app.AlertDialog;

import android.view.View;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.EditText;

import android.widget.ImageButton;

import android.widget.TextView;

import android.widget.Toast;

import com.personalfinanceapp.database.DatabaseHandler;

import com.personalfinanceapp.database.Expenses;

import java.util.Calendar;

import java.util.HashMap;

public class Entertainment\_Activity extends Activity implements View.OnClickListener {

DatabaseHandler db;

TextView welcome, date, cost,tv\_max\_limit ;

Button submit;//viewall;

private ImageButton ib;

private Calendar cal;

private int day;

private int month;

private int year;

private EditText etDate, etCost,et\_description;

private String mDate;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_entertainment);

ImageButton ic\_back=(ImageButton)findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

db= new DatabaseHandler(Entertainment\_Activity.this);

// mDateButton = (Button) findViewById(R.id.date\_button);

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

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

cost = (TextView) findViewById(R.id.txtcost);

etCost = (EditText) findViewById(R.id.cost);

submit = (Button) findViewById(R.id.submit);

//viewall = (Button) findViewById(R.id.button1);

ib = (ImageButton) findViewById(R.id.imageButton1);

cal = Calendar.getInstance();

day = cal.get(Calendar.DAY\_OF\_MONTH);

month = cal.get(Calendar.MONTH);

year = cal.get(Calendar.YEAR);

mDate=year+"-"+String.format("%02d", (month + 1));

checkLimitExpense();

etDate = (EditText) findViewById(R.id.editText);

et\_description=(EditText) findViewById(R.id.et\_description);

ib.setOnClickListener(this);

submit.setOnClickListener(this);

//viewall.setOnClickListener(this);

}

@Override

public void onClick(View v) {

if (v == submit) {

Expenses exp=new Expenses();

exp.setCategory(DatabaseHandler.KEY\_ENTERTAINMENT\_CATEGORY);

exp.setAmount(Integer.parseInt(etCost.getText().toString()));

exp.setDescription(et\_description.getText().toString());

exp.setDate(etDate.getText().toString());

long l=db.addExpensesDetails(exp);

Toast.makeText(Entertainment\_Activity.this,"Data is inserted successfuly.",Toast.LENGTH\_SHORT).show();

clearText();

checkLimitExpense();

}

if (v == ib) {

showDialog(0);

}

}

ProgressDialog pd;

@Override

@Deprecated

protected Dialog onCreateDialog(int id) {

return new DatePickerDialog(this, datePickerListener, year, month, day);

}

private DatePickerDialog.OnDateSetListener datePickerListener = new DatePickerDialog.OnDateSetListener() {

public void onDateSet(DatePicker view, int selectedYear,

int selectedMonth, int selectedDay) {

etDate.setText(selectedDay + "-" + (selectedMonth + 1) + "-"

+ selectedYear);

}

};

public void showMessage(String title, String message) {

AlertDialog.Builder builder = new AlertDialog.Builder(this);

builder.setCancelable(true);

builder.setTitle(title);

builder.setMessage(message);

builder.show();

}

public void clearText() {

etDate.setText("");

etCost.setText("");

etDate.requestFocus();

}

private void checkLimitExpense(){

DatabaseHandler db=new DatabaseHandler(getApplicationContext());

int total\_exp=db.getMonthTotalExpense(mDate, DatabaseHandler.KEY\_ENTERTAINMENT\_CATEGORY);

HashMap<String, Integer> hm=db. getAllMaxExpenses();

int max\_exp=hm.get(DatabaseHandler.KEY\_FOOD\_MAX\_EXPENSES);

tv\_max\_limit = (TextView) findViewById(R.id.tv\_max\_limit);

tv\_max\_limit.setText("Max. Month Entertainment Limit : " + max\_exp + "\n This month, Total Entertainment Exp : " + total\_exp);

if(total\_exp>max\_exp){

tv\_max\_limit.setTextColor(Color.RED);

Toast.makeText(getApplicationContext(),"Budget limit is crossed.",Toast.LENGTH\_LONG).show();

}

}

}

**Activity\_entertainment.xml:**

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6" >

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_centerInParent="true"

android:layout\_height="wrap\_content"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="20sp"

android:text="Entertainment Expenses"/>

</RelativeLayout>

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_marginTop="55dp"

android:padding="16dp"

tools:context=".MainActivity">

<TextView

android:id="@+id/date"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_below="@+id/welcome"

android:text="Date :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<EditText

android:id="@+id/editText"

android:layout\_width="250dp"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="5dp"

android:layout\_below="@+id/date"

android:editable="false">

<requestFocus />

</EditText>

<ImageButton

android:id="@+id/imageButton1"

android:layout\_width="40dp"

android:layout\_height="40dp"

android:layout\_alignBottom="@+id/editText"

android:layout\_toRightOf="@+id/editText"

android:cropToPadding="true"

android:background="@drawable/calendar\_icon" />

<EditText

android:id="@+id/cost"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_alignRight="@+id/editText"

android:layout\_below="@+id/editText"

android:layout\_marginTop="34dp"

android:ems="10" />

<TextView

android:id="@+id/txtcost"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/cost"

android:layout\_below="@+id/editText"

android:layout\_marginTop="16dp"

android:text="Cost :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<TextView

android:id="@+id/tv\_descroption"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_below="@+id/cost"

android:text="Description :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<EditText

android:id="@+id/et\_description"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_alignRight="@+id/editText"

android:layout\_below="@+id/tv\_descroption"

android:ems="10" />

<Button

android:id="@+id/submit"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/welcome"

android:layout\_alignRight="@+id/welcome"

android:layout\_below="@+id/et\_description"

android:layout\_marginTop="25dp"

android:text="Submit" />

<TextView

android:id="@+id/tv\_max\_limit"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/submit"

android:text="Maximum Limit : " />

</RelativeLayout>

</RelativeLayout>

**Travel\_Activity.Java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.app.DatePickerDialog;

import android.app.Dialog;

import android.app.ProgressDialog;

import android.content.Context;

import android.database.sqlite.SQLiteDatabase;

import android.graphics.Color;

import android.os.Bundle;

import android.support.v7.app.AlertDialog;

import android.view.View;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.EditText;

import android.widget.ImageButton;

import android.widget.TextView;

import android.widget.Toast;

import com.android.volley.AuthFailureError;

import com.android.volley.Request;

import com.android.volley.RequestQueue;

import com.android.volley.Response;

import com.android.volley.VolleyError;

import com.android.volley.toolbox.StringRequest;

import com.personalfinanceapp.database.DatabaseHandler;

import com.personalfinanceapp.database.Expenses;

import java.util.Calendar;

import java.util.HashMap;

import java.util.Map;

public class Travel\_Activity extends Activity implements View.OnClickListener {

RequestQueue queue;

DatabaseHandler db;

TextView welcome, date, cost,tv\_max\_limit;

Button submit;//viewall;

private ImageButton ib;

private Calendar cal;

private int day;

private int month;

private int year;

String mDate;

private EditText etDate, etCost,et\_description;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_travel);

ImageButton ic\_back=(ImageButton)findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

db= new DatabaseHandler(Travel\_Activity.this);

// mDateButton = (Button) findViewById(R.id.date\_button);

etCost = (EditText) findViewById(R.id.cost);

et\_description=(EditText) findViewById(R.id.et\_description);

submit = (Button) findViewById(R.id.submit);

//viewall = (Button) findViewById(R.id.button1);

ib = (ImageButton) findViewById(R.id.imageButton1);

cal = Calendar.getInstance();

day = cal.get(Calendar.DAY\_OF\_MONTH);

month = cal.get(Calendar.MONTH);

year = cal.get(Calendar.YEAR);

mDate=year+"-"+String.format("%02d", (month + 1));

checkLimitExpense();

etDate = (EditText) findViewById(R.id.editText);

ib.setOnClickListener(this);

submit.setOnClickListener(this);

//viewall.setOnClickListener(this);

}

@Override

public void onClick(View v) {

if (v == submit) {

Expenses exp=new Expenses();

exp.setCategory(DatabaseHandler.KEY\_TRAVEL\_CATEGORY);

exp.setAmount(Integer.parseInt(etCost.getText().toString()));

exp.setDescription(et\_description.getText().toString());

exp.setDate(etDate.getText().toString());

long l=db.addExpensesDetails(exp);

Toast.makeText(Travel\_Activity.this,"Data is inserted successfuly.",Toast.LENGTH\_SHORT).show();

clearText();

checkLimitExpense();

}

if (v == ib) {

showDialog(0);

}

}

@Override

@Deprecated

protected Dialog onCreateDialog(int id) {

return new DatePickerDialog(this, datePickerListener, year, month, day);

}

private DatePickerDialog.OnDateSetListener datePickerListener = new DatePickerDialog.OnDateSetListener() {

public void onDateSet(DatePicker view, int selectedYear,

int selectedMonth, int selectedDay) {

etDate.setText(selectedDay + "-" + (selectedMonth + 1) + "-"

+ selectedYear);

}

};

public void clearText() {

etDate.setText("");

etCost.setText("");

etDate.requestFocus();

}

private void checkLimitExpense(){

DatabaseHandler db=new DatabaseHandler(getApplicationContext());

int total\_exp=db.getMonthTotalExpense(mDate, DatabaseHandler.KEY\_TRAVEL\_CATEGORY);

HashMap<String, Integer> hm=db. getAllMaxExpenses();

int max\_exp=hm.get(DatabaseHandler.KEY\_FOOD\_MAX\_EXPENSES);

tv\_max\_limit=(TextView)findViewById(R.id.tv\_max\_limit);

tv\_max\_limit.setText("Max. Month Travel Limit : " + max\_exp + "\n This month, Total Travel Exp : " + total\_exp);

if(total\_exp>max\_exp){

tv\_max\_limit.setTextColor(Color.RED);

Toast.makeText(getApplicationContext(),"Budget limit is crossed.",Toast.LENGTH\_LONG).show();

}

}

}

**Activity\_travel.xml:**

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6">

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_centerInParent="true"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="Travel Expenses"

android:textColor="#FFF"

android:textSize="20sp" />

</RelativeLayout>

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_marginTop="55dp"

android:padding="16dp">

<EditText

android:id="@+id/editText"

android:layout\_width="250dp"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="5dp"

android:layout\_marginTop="16dp"

android:editable="false">

<requestFocus />

</EditText>

<ImageButton

android:id="@+id/imageButton1"

android:layout\_width="40dp"

android:layout\_height="40dp"

android:layout\_alignBottom="@+id/editText"

android:layout\_toRightOf="@+id/editText"

android:background="@drawable/calendar\_icon"

android:cropToPadding="true" />

<EditText

android:id="@+id/cost"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_alignRight="@+id/editText"

android:layout\_below="@+id/editText"

android:layout\_marginTop="34dp"

android:ems="10" />

<TextView

android:id="@+id/date"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_below="@+id/welcome"

android:text="Date :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<TextView

android:id="@+id/txtcost"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/cost"

android:layout\_below="@+id/editText"

android:layout\_marginTop="16dp"

android:text="Cost :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<TextView

android:id="@+id/tv\_descroption"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_below="@+id/cost"

android:text="Description :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<EditText

android:id="@+id/et\_description"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_alignRight="@+id/editText"

android:layout\_below="@+id/tv\_descroption"

android:ems="10" />

<Button

android:id="@+id/submit"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/welcome"

android:layout\_alignRight="@+id/welcome"

android:layout\_below="@+id/et\_description"

android:layout\_marginTop="25dp"

android:text="Submit" />

<TextView

android:id="@+id/tv\_max\_limit"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/submit"

android:text="Maximum Limit : " />

</RelativeLayout>

</RelativeLayout>

**Health\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.app.DatePickerDialog;

import android.app.Dialog;

import android.app.ProgressDialog;

import android.content.Context;

import android.database.sqlite.SQLiteDatabase;

import android.graphics.Color;

import android.os.Bundle;

import android.support.v7.app.AlertDialog;

import android.view.View;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.EditText;

import android.widget.ImageButton;

import android.widget.TextView;

import android.widget.Toast;

import com.android.volley.AuthFailureError;

import com.android.volley.Request;

import com.android.volley.RequestQueue;

import com.android.volley.Response;

import com.android.volley.VolleyError;

import com.android.volley.toolbox.StringRequest;

import com.personalfinanceapp.database.DatabaseHandler;

import com.personalfinanceapp.database.Expenses;

import java.util.Calendar;

import java.util.HashMap;

import java.util.Map;

/\*\*

\* Created by neocursor29 on 4/2/16.

\*/

public class Health\_Activity extends Activity implements View.OnClickListener {

RequestQueue queue;

DatabaseHandler db;

TextView welcome, date, cost,tv\_max\_limit;

Button submit;//viewall;

private ImageButton ib;

private Calendar cal;

private int day;

private int month;

private int year;

private EditText etDate, etCost,et\_description;

String mDate;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_health);

db= new DatabaseHandler(Health\_Activity.this);

// mDateButton = (Button) findViewById(R.id.date\_button);

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

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

cost = (TextView) findViewById(R.id.txtcost);

etCost = (EditText) findViewById(R.id.cost);

et\_description=(EditText) findViewById(R.id.et\_description);

submit = (Button) findViewById(R.id.submit);

//viewall = (Button) findViewById(R.id.button1);

ib = (ImageButton) findViewById(R.id.imageButton1);

cal = Calendar.getInstance();

day = cal.get(Calendar.DAY\_OF\_MONTH);

month = cal.get(Calendar.MONTH);

year = cal.get(Calendar.YEAR);

mDate=year+"-"+String.format("%02d", (month + 1));

checkLimitExpense();

etDate = (EditText) findViewById(R.id.editText);

ib.setOnClickListener(this);

submit.setOnClickListener(this);

//viewall.setOnClickListener(this);

ImageButton ic\_back=(ImageButton)findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

}

@Override

public void onClick(View v) {

if (v == submit) {

Expenses exp=new Expenses();

exp.setCategory(DatabaseHandler.KEY\_HEALTH\_CATEGORY);

exp.setAmount(Integer.parseInt(etCost.getText().toString()));

exp.setDescription(et\_description.getText().toString());

exp.setDate(etDate.getText().toString());

long l=db.addExpensesDetails(exp);

Toast.makeText(Health\_Activity.this,"Data is inserted successfuly.",Toast.LENGTH\_SHORT).show();

clearText();

checkLimitExpense();

}

if (v == ib) {

showDialog(0);

}

}

ProgressDialog pd;

@Override

@Deprecated

protected Dialog onCreateDialog(int id) {

return new DatePickerDialog(this, datePickerListener, year, month, day);

}

private DatePickerDialog.OnDateSetListener datePickerListener = new DatePickerDialog.OnDateSetListener() {

public void onDateSet(DatePicker view, int selectedYear,

int selectedMonth, int selectedDay) {

etDate.setText(selectedDay + "-" + (selectedMonth + 1) + "-"

+ selectedYear);

}

};

public void clearText() {

etDate.setText("");

etCost.setText("");

etDate.requestFocus();

}

private void checkLimitExpense(){

DatabaseHandler db=new DatabaseHandler(getApplicationContext());

int total\_exp=db.getMonthTotalExpense(mDate, DatabaseHandler.KEY\_HEALTH\_CATEGORY);

HashMap<String, Integer> hm=db. getAllMaxExpenses();

int max\_exp=hm.get(DatabaseHandler.KEY\_FOOD\_MAX\_EXPENSES);

tv\_max\_limit=(TextView)findViewById(R.id.tv\_max\_limit);

tv\_max\_limit.setText("Max. Month Health Limit : " + max\_exp + "\n This month, Total Health Exp : " + total\_exp);

if(total\_exp>max\_exp){

tv\_max\_limit.setTextColor(Color.RED);

Toast.makeText(getApplicationContext(),"Budget limit is crossed.",Toast.LENGTH\_LONG).show();

}

}

}

**Activity\_health.xml:**

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6" >

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_centerInParent="true"

android:layout\_height="wrap\_content"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="20sp"

android:text="Health Expenses"/>

</RelativeLayout>

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:padding="16dp"

android:layout\_marginTop="55dp">

<EditText

android:id="@+id/editText"

android:layout\_width="250dp"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="5dp"

android:layout\_marginTop="25dp"

android:editable="false">

<requestFocus />

</EditText>

<ImageButton

android:id="@+id/imageButton1"

android:layout\_width="40dp"

android:layout\_height="40dp"

android:layout\_alignBottom="@+id/editText"

android:layout\_toRightOf="@+id/editText"

android:cropToPadding="true"

android:background="@drawable/calendar\_icon" />

<EditText

android:id="@+id/cost"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_alignRight="@+id/editText"

android:layout\_below="@+id/editText"

android:layout\_marginTop="34dp"

android:ems="10" />

<TextView

android:id="@+id/date"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_below="@+id/welcome"

android:text="Date :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<TextView

android:id="@+id/txtcost"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/cost"

android:layout\_below="@+id/editText"

android:layout\_marginTop="16dp"

android:text="Cost :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<TextView

android:id="@+id/tv\_descroption"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_below="@+id/cost"

android:text="Description :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<EditText

android:id="@+id/et\_description"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/editText"

android:layout\_alignRight="@+id/editText"

android:layout\_below="@+id/tv\_descroption"

android:ems="10" />

<Button

android:id="@+id/submit"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_alignLeft="@+id/welcome"

android:layout\_alignRight="@+id/welcome"

android:layout\_below="@+id/et\_description"

android:layout\_marginTop="25dp"

android:text="Submit" />

<TextView

android:id="@+id/tv\_max\_limit"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/submit"

android:text="Maximum Limit : " />

</RelativeLayout>

</RelativeLayout>

**Reports\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.ImageButton;

public class Reports\_Activity extends Activity

{

Button btn\_monthly\_report,btn\_dialy\_report,btn\_bank\_account\_details,btn\_insurance\_policies,btn\_edit\_report;

ImageButton ic\_back;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_reports);

btn\_monthly\_report=(Button)findViewById(R.id.btn\_monthly\_report);

btn\_dialy\_report=(Button)findViewById(R.id.btn\_dialy\_report);

btn\_bank\_account\_details=(Button)findViewById(R.id.btn\_bank\_account\_details);

btn\_insurance\_policies=(Button)findViewById(R.id.btn\_insurance\_policies);

btn\_edit\_report=(Button)findViewById(R.id.btn\_edit\_report);

ic\_back=(ImageButton)findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

btn\_monthly\_report.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

startActivity(new Intent(getApplicationContext(), Monthly\_Activity.class));

}

});

btn\_dialy\_report.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

startActivity(new Intent(getApplicationContext(), Daily\_Activity.class));

}

});

btn\_bank\_account\_details.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

startActivity(new Intent(getApplicationContext(),ListviewBankAccount\_Activity.class));

}

});

btn\_insurance\_policies.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

startActivity(new Intent(getApplicationContext(),ListviewInsurencePolicies\_Activity.class));

}

});

btn\_edit\_report.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

startActivity(new Intent(getApplicationContext(),ListviewEditReports\_Activity.class));

}

});

}

}

**Activity\_reports.xml:**

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

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:background="#F1F1F1" >

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6" >

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_centerInParent="true"

android:layout\_height="wrap\_content"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="20sp"

android:text="Reports"/>

</RelativeLayout>

<Button

android:id="@+id/btn\_insurance\_policies"

android:layout\_width="match\_parent"

android:layout\_margin="16dp"

android:drawableLeft="@drawable/ic\_insurence"

android:drawablePadding="8dp"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:gravity="left|center\_vertical"

android:shadowDy="1"

android:shadowRadius="0.6"

android:paddingLeft="16dp"

android:textSize="18sp"

android:text="View Insurance Policies"

android:background="#E91E63"

android:layout\_height="wrap\_content" />

<Button

android:id="@+id/btn\_bank\_account\_details"

android:layout\_width="match\_parent"

android:layout\_margin="16dp"

android:drawableLeft="@drawable/ic\_bank\_cards"

android:drawablePadding="8dp"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:gravity="left|center\_vertical"

android:shadowRadius="0.6"

android:paddingLeft="16dp"

android:textSize="18sp"

android:text="View Bank Account Details"

android:background="#673AB7"

android:layout\_height="wrap\_content" />

<Button

android:id="@+id/btn\_dialy\_report"

android:layout\_width="match\_parent"

android:layout\_margin="16dp"

android:drawableLeft="@drawable/ic\_daily\_report"

android:drawablePadding="8dp"

android:paddingLeft="16dp"

android:gravity="left|center\_vertical"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="18sp"

android:text="Dialy Report"

android:background="#9C27B0"

android:layout\_height="wrap\_content" />

<Button

android:id="@+id/btn\_monthly\_report"

android:layout\_width="match\_parent"

android:layout\_margin="16dp"

android:drawableLeft="@drawable/ic\_monthly\_report"

android:drawablePadding="8dp"

android:paddingLeft="16dp"

android:gravity="left|center\_vertical"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="18sp"

android:text="Monthly Report"

android:background="#4CAF50"

android:layout\_height="wrap\_content" />

<Button

android:id="@+id/btn\_edit\_report"

android:layout\_width="match\_parent"

android:layout\_margin="16dp"

android:drawableLeft="@drawable/ic\_daily\_report"

android:drawablePadding="8dp"

android:paddingLeft="16dp"

android:gravity="left|center\_vertical"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="18sp"

android:text="Delete Report"

android:background="#F44336"

android:layout\_height="wrap\_content" />

</LinearLayout>

**ListViewBankAccount\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.content.Context;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.BaseAdapter;

import android.widget.ImageButton;

import android.widget.ListView;

import android.widget.TextView;

import com.personalfinanceapp.database.DatabaseHandler;

import java.util.ArrayList;

import java.util.HashMap;

public class ListviewBankAccount\_Activity extends Activity {

private static LayoutInflater inflater = null;

ListView lv\_insurence\_policies;

ArrayList<HashMap<String, String>> al;

TextView tv\_no\_data;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_listview\_insurence\_policies);

ImageButton ic\_back=(ImageButton)findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

TextView tv\_title=(TextView)findViewById(R.id.tv\_title);

tv\_title.setText("Bank Account Details");

lv\_insurence\_policies = (ListView) findViewById(R.id.lv\_insurence\_policies);

tv\_no\_data=(TextView)findViewById(R.id.tv\_no\_data);

DatabaseHandler db = new DatabaseHandler(this);

al = db.getAllBankAccountDetails();

lv\_insurence\_policies.setAdapter(new CustomAdapter(this));

if(al.size()<=0){

tv\_no\_data.setVisibility(View.VISIBLE);

}else{

tv\_no\_data.setVisibility(View.GONE);

}

}

public class CustomAdapter extends BaseAdapter {

Context context;

public CustomAdapter(Context mainActivity) {

context = mainActivity;

inflater = (LayoutInflater) context.getSystemService(Context.LAYOUT\_INFLATER\_SERVICE);

}

@Override

public int getCount() {

return al.size();

}

@Override

public Object getItem(int position) {

return position;

}

@Override

public long getItemId(int position) {

return position;

}

@Override

public View getView(int position, View convertView, ViewGroup parent) {

if (convertView == null) {

convertView = inflater.inflate(R.layout.row\_bank\_account\_details, null);

}

TextView tv\_bank\_name = (TextView) convertView.findViewById(R.id.tv\_bank\_name);

TextView tv\_bank\_account = (TextView) convertView.findViewById(R.id.tv\_bank\_account);

TextView tv\_card\_no = (TextView) convertView.findViewById(R.id.tv\_card\_no);

TextView tv\_bank\_pin = (TextView) convertView.findViewById(R.id.tv\_bank\_pin);

HashMap<String, String> hm = al.get(position);

tv\_bank\_name.setText("Bank Name : " + hm.get(DatabaseHandler.KEY\_BANK\_NAME));

tv\_bank\_account.setText("Bank Account No : " + hm.get(DatabaseHandler.KEY\_BANK\_ACCOUNT));

tv\_card\_no.setText("Card No : " + hm.get(DatabaseHandler.KEY\_CARD\_NO));

tv\_bank\_pin.setText("Pin No : " + hm.get(DatabaseHandler.KEY\_BANK\_PIN));

return convertView;

}

}

}

**Row\_bankaccount\_detailos.xml:**

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

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_margin="8dp"

android:background="#673AB7"

android:orientation="vertical"

android:padding="8dp">

<TextView

android:id="@+id/tv\_bank\_name"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center\_horizontal"

android:text="bank\_name"

android:textColor="#FFF"

android:textSize="16sp" />

<TextView

android:id="@+id/tv\_bank\_account"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="8dp"

android:gravity="center\_horizontal"

android:text="bank\_account"

android:textColor="#FFF"

android:textSize="16sp" />

<TextView

android:id="@+id/tv\_card\_no"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="8dp"

android:gravity="center\_horizontal"

android:text="card\_no"

android:textColor="#FFF"

android:textSize="16sp" />

<TextView

android:id="@+id/tv\_bank\_pin"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginBottom="8dp"

android:layout\_marginTop="8dp"

android:gravity="center\_horizontal"

android:text="BANK\_PIN"

android:textColor="#EEEEEE"

android:textSize="16sp" />

</LinearLayout>

</RelativeLayout>

**ListViewInsurancePolicies\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.content.Context;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.BaseAdapter;

import android.widget.ImageButton;

import android.widget.ListView;

import android.widget.TextView;

import android.widget.Toast;

import com.personalfinanceapp.database.DatabaseHandler;

import java.util.ArrayList;

import java.util.HashMap;

public class ListviewInsurencePolicies\_Activity extends Activity{

ListView lv\_insurence\_policies;

ArrayList<HashMap<String,String>> al;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_listview\_insurence\_policies);

lv\_insurence\_policies=(ListView)findViewById(R.id.lv\_insurence\_policies);

ImageButton ic\_back=(ImageButton)findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

DatabaseHandler db= new DatabaseHandler(this);

al=db.getAllInsurencePolicies();

lv\_insurence\_policies.setAdapter(new CustomAdapter(this));

TextView tv\_no\_data=(TextView)findViewById(R.id.tv\_no\_data);

if(al.size()<=0){

tv\_no\_data.setVisibility(View.VISIBLE);

}else{

tv\_no\_data.setVisibility(View.GONE);

}

}

private static LayoutInflater inflater=null;

public class CustomAdapter extends BaseAdapter {

Context context;

public CustomAdapter(Context mainActivity) {

context=mainActivity;

inflater = ( LayoutInflater )context. getSystemService(Context.LAYOUT\_INFLATER\_SERVICE);

}

@Override

public int getCount() {

return al.size();

}

@Override

public Object getItem(int position) {

return position;

}

@Override

public long getItemId(int position) {

return position;

}

@Override

public View getView( int position, View convertView, ViewGroup parent) {

if(convertView==null){

convertView = inflater.inflate(R.layout.row\_insurence\_policies, null);

}

TextView tv\_policy\_num=(TextView) convertView.findViewById(R.id.tv\_policy\_num);

TextView tv\_insurence\_provider=(TextView) convertView.findViewById(R.id.tv\_insurence\_provider);

TextView tv\_due\_date=(TextView) convertView.findViewById(R.id.tv\_due\_date);

TextView tv\_installment\_period=(TextView) convertView.findViewById(R.id.tv\_installment\_period);

TextView tv\_premimum=(TextView) convertView.findViewById(R.id.tv\_premimum);

HashMap<String,String> hm=al.get(position);

tv\_policy\_num.setText("Policy Number : "+hm.get(DatabaseHandler.KEY\_POLICY\_NUM));

tv\_insurence\_provider.setText("Insurence Provider : "+hm.get(DatabaseHandler.KEY\_INSURANCE\_PROVIDER));

tv\_due\_date.setText("Due Date : "+hm.get(DatabaseHandler.KEY\_DUE\_DATES));

tv\_installment\_period.setText("Installment period : "+hm.get(DatabaseHandler.KEY\_INSTALLMENT\_PERIOD));

tv\_premimum.setText(getResources().getString(R.string.rs)+" "+hm.get(DatabaseHandler.KEY\_PREMIUM));

return convertView;

}

}

}

**Activity\_listview\_insurancepolicies.xml:**

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

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:orientation="vertical" android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6" >

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:id="@+id/tv\_title"

android:layout\_width="wrap\_content"

android:layout\_centerInParent="true"

android:layout\_height="wrap\_content"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="20sp"

android:text="Insurence Policies"/>

</RelativeLayout>

<ListView

android:id="@+id/lv\_insurence\_policies"

android:layout\_marginTop="51dp"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"/>

<TextView

android:id="@+id/tv\_no\_data"

android:text="No Data Found"

android:textSize="24sp"

android:textStyle="bold"

android:visibility="gone"

android:layout\_centerInParent="true"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content" />

</RelativeLayout>

**ListViewDailyReports\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.content.Context;

import android.os.Bundle;

import android.view.LayoutInflater; //displaying records...list of items

import android.view.View;

import android.view.ViewGroup;

import android.widget.BaseAdapter;

import android.widget.ImageButton;

import android.widget.ListView;

import android.widget.TextView;

import com.personalfinanceapp.database.DatabaseHandler;

import java.util.ArrayList;

import java.util.HashMap;

public class ListviewDailyReports\_Activity extends Activity {

ListView lv\_insurence\_policies;

ArrayList<HashMap<String, String>> al;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_listview\_insurence\_policies);

String category=getIntent().getExtras().getString("category");

String r\_date=getIntent().getExtras().getString("r\_date");

ImageButton ic\_back = (ImageButton) findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

TextView tv\_title = (TextView) findViewById(R.id.tv\_title);

tv\_title.setText("Daily Reports");

lv\_insurence\_policies = (ListView) findViewById(R.id.lv\_insurence\_policies);

TextView tv\_no\_data=(TextView)findViewById(R.id.tv\_no\_data);

DatabaseHandler db = new DatabaseHandler(ListviewDailyReports\_Activity.this);

al = db.getAllRecords(category, r\_date);

lv\_insurence\_policies.setAdapter(new CustomAdapter(this));

if(al.size()<=0){

tv\_no\_data.setVisibility(View.VISIBLE);

}else{

tv\_no\_data.setVisibility(View.GONE);

}

}

LayoutInflater inflater;

public class CustomAdapter extends BaseAdapter {

Context context;

public CustomAdapter(Context mainActivity) {

context = mainActivity;

inflater = (LayoutInflater) context.getSystemService(Context.LAYOUT\_INFLATER\_SERVICE);

}

@Override

public int getCount() {

return al.size();

}

@Override

public Object getItem(int position) {

return position;

}

@Override

public long getItemId(int position) {

return position;

}

@Override

public View getView(int position, View convertView, ViewGroup parent) {

if (convertView == null) {

convertView = inflater.inflate(R.layout.row\_daily\_report, null);

}

TextView tv\_exp\_date = (TextView) convertView.findViewById(R.id.tv\_exp\_date);

TextView tv\_category = (TextView) convertView.findViewById(R.id.tv\_category);

TextView tv\_amount = (TextView) convertView.findViewById(R.id.tv\_amount);

TextView tv\_description = (TextView) convertView.findViewById(R.id.tv\_description);

HashMap<String, String> hm = al.get(position);

tv\_exp\_date.setText("" + hm.get(DatabaseHandler.KEY\_EXP\_DATE));

tv\_category.setText("" + hm.get(DatabaseHandler.KEY\_CATEGORY));

tv\_amount.setText(getResources().getString(R.string.rs)+" "+ hm.get(DatabaseHandler.KEY\_AMOUNT));

tv\_description.setText("" + hm.get(DatabaseHandler.KEY\_DESCRIPTION));

return convertView;

}

}

}

**Row\_daily\_report.xml:**

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

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:background="#E91E63"

android:layout\_margin="8dp"

android:orientation="vertical"

android:padding="8dp">

<TextView

android:id="@+id/tv\_exp\_date"

android:layout\_marginTop="8dp"

android:layout\_marginBottom="8dp"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="exp\_date"

android:gravity="center\_horizontal"

android:textSize="20sp"

android:textColor="#EEEEEE" />

<TextView

android:id="@+id/tv\_category"

android:layout\_width="match\_parent"

android:gravity="center\_horizontal"

android:layout\_height="wrap\_content"

android:text="tv\_category"

android:textColor="#FFF"

android:textSize="16sp" />

<TextView

android:id="@+id/tv\_amount"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:shadowColor="#000"

android:shadowDx="1"

android:layout\_marginTop="8dp"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="amount"

android:gravity="center\_horizontal"

android:textColor="#FFF"

android:textSize="24sp"

android:textStyle="bold" />

<TextView

android:id="@+id/tv\_description"

android:layout\_width="match\_parent"

android:gravity="center\_horizontal"

android:layout\_height="wrap\_content"

android:layout\_marginTop="8dp"

android:textSize="16sp"

android:text="tv\_description"

android:textColor="#FFF" />

</LinearLayout>

</RelativeLayout>

**Reports\_Daily\_activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.app.AlertDialog;

import android.app.DatePickerDialog;

import android.app.Dialog;

import android.os.Bundle;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.EditText;

import android.widget.ImageButton;

import android.widget.Spinner;

import android.widget.TextView;

import com.github.mikephil.charting.charts.PieChart;

import com.personalfinanceapp.database.DatabaseHandler;

import java.util.ArrayList;

import java.util.Calendar;

import java.util.HashMap;

import com.github.mikephil.charting.data.Entry;

import com.github.mikephil.charting.data.PieData;

import com.github.mikephil.charting.data.PieDataSet;

import com.github.mikephil.charting.utils.ColorTemplate;

public class Report\_Daily\_Activity extends Activity implements View.OnClickListener {

Button getreport;

TextView date;

String selected\_category;

Spinner category;

String[] categort\_data = new String[]{DatabaseHandler.KEY\_FOOD\_CATEGORY, DatabaseHandler.KEY\_ENTERTAINMENT\_CATEGORY, DatabaseHandler.KEY\_HEALTH\_CATEGORY, DatabaseHandler.KEY\_TRAVEL\_CATEGORY};

private ImageButton ib\_calender;

private Calendar cal;

private int day;

private int month;

private int year;

private EditText etDate;

PieChart pieChart;

private DatePickerDialog.OnDateSetListener datePickerListener = new DatePickerDialog.OnDateSetListener() {

public void onDateSet(DatePicker view, int selectedYear,

int selectedMonth, int selectedDay) {

etDate.setText(selectedDay + "-" + (selectedMonth + 1) + "-" + selectedYear);

}

};

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_daily\_graphs);

ImageButton ic\_back = (ImageButton) findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

ib\_calender = (ImageButton) findViewById(R.id.imageButton1);

pieChart = (PieChart) findViewById(R.id.chart);

getreport = (Button) findViewById(R.id.button1);

cal = Calendar.getInstance();

day = cal.get(Calendar.DAY\_OF\_MONTH);

month = cal.get(Calendar.MONTH);

year = cal.get(Calendar.YEAR);

etDate = (EditText) findViewById(R.id.editText);

category = (Spinner) findViewById(R.id.spinnerCategory);

ArrayAdapter<CharSequence> categoryAdapter = new ArrayAdapter<CharSequence>(this, android.R.layout.simple\_spinner\_item, categort\_data);

categoryAdapter.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item);

category.setAdapter(categoryAdapter);

ib\_calender.setOnClickListener(this);

getreport.setOnClickListener(this);

category.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {

@Override

public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {

selected\_category = parent.getItemAtPosition(position).toString();

}

@Override

public void onNothingSelected(AdapterView<?> parent) { //onNothingSelected is invoked when selection disappears from the view

}

});

}

@Override

public void onClick(View v) {

if (v == ib\_calender) {

showDialog(0);

}

if (v == getreport) {

if (etDate.getText().toString().trim().length() == 0) {

showMessage("Error", "Please enter date");

return;

}

graphs();

}

}

@Override

@Deprecated

protected Dialog onCreateDialog(int id) {

return new DatePickerDialog(this, datePickerListener, year, month, day);

}

public void showMessage(String title, String message) {

AlertDialog.Builder builder = new AlertDialog.Builder(this);

builder.setCancelable(true);

builder.setTitle(title);

builder.setMessage(message);

builder.show();

}

public void clearText() {

etDate.setText("");

etDate.requestFocus();

}

void graphs(){

DatabaseHandler db = new DatabaseHandler(Report\_Daily\_Activity.this);

ArrayList<HashMap<String, String>> al = db.getAllRecordsByDate(etDate.getText().toString());

ArrayList<String> labels = new ArrayList<String>();

ArrayList<Entry> entries = new ArrayList<>();

for(int i=0;i<al.size();i++){

HashMap<String, String> hm=al.get(i);

int amt=Integer.parseInt(hm.get(DatabaseHandler.KEY\_AMOUNT));

entries.add(new Entry(amt, i));

labels.add(hm.get(DatabaseHandler.KEY\_CATEGORY));

}

PieDataSet dataset = new PieDataSet(entries, "Dialy Expense Report");

PieData data = new PieData(labels, dataset);

dataset.setColors(ColorTemplate.COLORFUL\_COLORS); //to display in various colors

pieChart.setDescription("Description");

pieChart.setData(data);

pieChart.animateY(5000);

}}

**ListViewMonthlyReports\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.content.Context;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.BaseAdapter;

import android.widget.ImageButton;

import android.widget.ListView;

import android.widget.TextView;

import com.personalfinanceapp.database.DatabaseHandler;

import java.util.ArrayList;

import java.util.HashMap;

public class ListviewMonthlyReports\_Activity extends Activity {

ListView lv\_insurence\_policies;

ArrayList<HashMap<String, String>> al;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_listview\_insurence\_policies);

String category=getIntent().getExtras().getString("category");

String s\_date=getIntent().getExtras().getString("s\_date");

String e\_date=getIntent().getExtras().getString("e\_date");

ImageButton ic\_back = (ImageButton) findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

TextView tv\_title = (TextView) findViewById(R.id.tv\_title);

tv\_title.setText("Montly Reports");

lv\_insurence\_policies = (ListView) findViewById(R.id.lv\_insurence\_policies);

TextView tv\_no\_data=(TextView)findViewById(R.id.tv\_no\_data);

DatabaseHandler db=new DatabaseHandler(ListviewMonthlyReports\_Activity.this);

al=db.getMontlyRecords(category, s\_date, e\_date);

lv\_insurence\_policies.setAdapter(new CustomAdapter(this));

if(al.size()<=0){

tv\_no\_data.setVisibility(View.VISIBLE);

}else{

tv\_no\_data.setVisibility(View.GONE);

}

}

LayoutInflater inflater;

public class CustomAdapter extends BaseAdapter {

Context context;

public CustomAdapter(Context mainActivity) {

context = mainActivity;

inflater = (LayoutInflater) context.getSystemService(Context.LAYOUT\_INFLATER\_SERVICE);

}

@Override

public int getCount() {

return al.size();

}

@Override

public Object getItem(int position) {

return position;

}

@Override

public long getItemId(int position) {

return position;

}

@Override

public View getView(int position, View convertView, ViewGroup parent) {

if (convertView == null) {

convertView = inflater.inflate(R.layout.row\_daily\_report, null);

}

TextView tv\_exp\_date = (TextView) convertView.findViewById(R.id.tv\_exp\_date);

TextView tv\_category = (TextView) convertView.findViewById(R.id.tv\_category);

TextView tv\_amount = (TextView) convertView.findViewById(R.id.tv\_amount);

TextView tv\_description = (TextView) convertView.findViewById(R.id.tv\_description);

HashMap<String, String> hm = al.get(position);

tv\_exp\_date.setText("" + hm.get(DatabaseHandler.KEY\_EXP\_DATE));

tv\_category.setText("" + hm.get(DatabaseHandler.KEY\_CATEGORY));

tv\_amount.setText(getResources().getString(R.string.rs)+" "+ hm.get(DatabaseHandler.KEY\_AMOUNT));

tv\_description.setText("" + hm.get(DatabaseHandler.KEY\_DESCRIPTION));

return convertView;

}

}

}

**Monthly\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.app.AlertDialog;

import android.app.DatePickerDialog;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.EditText;

import android.widget.ImageButton;

import android.widget.Spinner;

import android.widget.Toast;

import com.personalfinanceapp.database.DatabaseHandler;

import java.text.SimpleDateFormat;

import java.util.ArrayList;

import java.util.Calendar;

import java.util.HashMap;

import java.util.Locale;

public class Monthly\_Activity extends Activity implements View.OnClickListener {

Button getreport;

private EditText fromDateEtxt;

private EditText toDateEtxt;

private DatePickerDialog fromDatePickerDialog;

private DatePickerDialog toDatePickerDialog;

private ImageButton ib\_from\_date,ib\_to\_date;

private SimpleDateFormat dateFormatter;

Spinner category;

String selected\_category;

String[] categort\_data = new String[]{DatabaseHandler.KEY\_FOOD\_CATEGORY, DatabaseHandler.KEY\_ENTERTAINMENT\_CATEGORY, DatabaseHandler.KEY\_HEALTH\_CATEGORY, DatabaseHandler.KEY\_TRAVEL\_CATEGORY};

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_monthly);

ImageButton ic\_back = (ImageButton) findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

dateFormatter = new SimpleDateFormat("dd-MM-yyyy", Locale.US);

findViewsById();

setDateTimeField();

}

private void findViewsById() {

fromDateEtxt = (EditText) findViewById(R.id.et\_from\_date);

getreport = (Button) findViewById(R.id.button1);

toDateEtxt = (EditText) findViewById(R.id.toDate);

ib\_from\_date = (ImageButton) findViewById(R.id.ib\_from\_date);

ib\_to\_date = (ImageButton) findViewById(R.id.ib\_to\_date);

category = (Spinner) findViewById(R.id.spinnerCategory);

ArrayAdapter<CharSequence> categoryAdapter = new ArrayAdapter<CharSequence>(this, android.R.layout.simple\_spinner\_item, categort\_data);

categoryAdapter.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item);

category.setAdapter(categoryAdapter);

category.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {

@Override

public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {

selected\_category = parent.getItemAtPosition(position).toString();

}

@Override

public void onNothingSelected(AdapterView<?> parent) {

}

});

}

private void setDateTimeField() {

ib\_from\_date.setOnClickListener(this);

ib\_to\_date.setOnClickListener(this);

getreport.setOnClickListener(this);

Calendar newCalendar = Calendar.getInstance();

fromDatePickerDialog = new DatePickerDialog(this, new DatePickerDialog.OnDateSetListener() {

public void onDateSet(DatePicker view, int year, int monthOfYear, int dayOfMonth) {

Calendar newDate = Calendar.getInstance();

newDate.set(year, monthOfYear, dayOfMonth);

fromDateEtxt.setText(dateFormatter.format(newDate.getTime()));

}

}, newCalendar.get(Calendar.YEAR), newCalendar.get(Calendar.MONTH), newCalendar.get(Calendar.DAY\_OF\_MONTH));

toDatePickerDialog = new DatePickerDialog(this, new DatePickerDialog.OnDateSetListener() {

public void onDateSet(DatePicker view, int year, int monthOfYear, int dayOfMonth) {

Calendar newDate = Calendar.getInstance();

newDate.set(year, monthOfYear, dayOfMonth);

toDateEtxt.setText(dateFormatter.format(newDate.getTime()));

}

}, newCalendar.get(Calendar.YEAR), newCalendar.get(Calendar.MONTH), newCalendar.get(Calendar.DAY\_OF\_MONTH));

}

@Override

public void onClick(View view) {

if (view == ib\_from\_date) {

fromDatePickerDialog.show();

} else if (view == ib\_to\_date) {

toDatePickerDialog.show();

}

if (view == getreport) {

if (fromDateEtxt.getText().toString().trim().length() == 0 && toDateEtxt.getText().toString().trim().length() == 0) {

showMessage("Error", "Please enter date");

return;

}

String from\_date=fromDateEtxt.getText().toString().trim();

String to\_date=toDateEtxt.getText().toString().trim();

Intent intent=new Intent(getApplicationContext(),ListviewMonthlyReports\_Activity.class);

intent.putExtra("category",selected\_category);

intent.putExtra("s\_date",from\_date);

intent.putExtra("e\_date",to\_date);

startActivity(intent);

clearText();

}

}

public void showMessage(String title, String message) {

AlertDialog.Builder builder = new AlertDialog.Builder(this);

builder.setCancelable(true);

builder.setTitle(title);

builder.setMessage(message);

builder.show();

}

public void clearText() {

fromDateEtxt.setText("");

toDateEtxt.setText("");

fromDateEtxt.requestFocus();

}

}

**Activity\_monthly.xml:**

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

tools:context=".MainActivity">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6">

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_centerInParent="true"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="Monthly Report"

android:textColor="#FFF"

android:textSize="20sp" />

</RelativeLayout>

<TextView

android:id="@+id/category"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Category :"

android:layout\_marginLeft="16dp"

android:textAppearance="?android:attr/textAppearanceMedium" />

<Spinner

android:id="@+id/spinnerCategory"

android:layout\_width="match\_parent"

android:layout\_margin="16dp"

android:layout\_height="wrap\_content"

/>

<TextView

android:id="@+id/fromdate"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="15dp"

android:layout\_marginTop="30dp"

android:text="From Date :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="25dp"

android:orientation="horizontal">

<EditText

android:id="@+id/et\_from\_date"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1" />

<ImageButton

android:id="@+id/ib\_from\_date"

android:layout\_width="35dp"

android:layout\_height="35dp"

android:layout\_weight="0"

android:background="@drawable/calendar\_icon" />

</LinearLayout>

<TextView

android:id="@+id/todate"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="15dp"

android:layout\_marginTop="30dp"

android:text="To Date :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="25dp"

android:orientation="horizontal">

<EditText

android:id="@+id/toDate"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1" />

<ImageButton

android:id="@+id/ib\_to\_date"

android:layout\_width="35dp"

android:layout\_height="35dp"

android:layout\_weight="0"

android:background="@drawable/calendar\_icon" />

</LinearLayout>

<Button

android:id="@+id/button1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_gravity="center\_horizontal"

android:layout\_marginTop="20dp"

android:text="Get Report" />

</LinearLayout>

**ListViewEditReorts\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.content.Context;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.BaseAdapter;

import android.widget.Button;

import android.widget.ImageButton;

import android.widget.ListView;

import android.widget.TextView;

import android.widget.Toast; //popup notification

import com.personalfinanceapp.database.DatabaseHandler;

import java.util.ArrayList;

import java.util.HashMap;

public class ListviewEditReports\_Activity extends Activity {

ListView lv\_insurence\_policies;

ArrayList<HashMap<String, String>> al;

DatabaseHandler db;

@Override

protected void onCreate(Bundle savedInstanceState) { //entry point

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_listview\_insurence\_policies); //to connect xml layout

ImageButton ic\_back = (ImageButton) findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

TextView tv\_title = (TextView) findViewById(R.id.tv\_title);

tv\_title.setText("Edit Reports");

lv\_insurence\_policies = (ListView) findViewById(R.id.lv\_insurence\_policies);

TextView tv\_no\_data=(TextView)findViewById(R.id.tv\_no\_data);

db = new DatabaseHandler(ListviewEditReports\_Activity.this);

al = db.getAllRecordsForEdit();

lv\_insurence\_policies.setAdapter(new CustomAdapter(this));

if(al.size()<=0){

tv\_no\_data.setVisibility(View.VISIBLE);

}else{

tv\_no\_data.setVisibility(View.GONE);

}

}

LayoutInflater inflater;

public class CustomAdapter extends BaseAdapter {

Context context;

public CustomAdapter(Context mainActivity) {

context = mainActivity;

inflater = (LayoutInflater) context.getSystemService(Context.LAYOUT\_INFLATER\_SERVICE);

}

@Override

public int getCount() {

return al.size();

}

@Override

public Object getItem(int position) {

return position;

}

@Override

public long getItemId(int position) {

return position;

}

@Override

public View getView(int position, View convertView, ViewGroup parent) {

if (convertView == null) { //display list view

convertView = inflater.inflate(R.layout.row\_edit\_reports, null);

}

TextView tv\_exp\_date = (TextView) convertView.findViewById(R.id.tv\_exp\_date);

TextView tv\_category = (TextView) convertView.findViewById(R.id.tv\_category);

TextView tv\_amount = (TextView) convertView.findViewById(R.id.tv\_amount);

TextView tv\_description = (TextView) convertView.findViewById(R.id.tv\_description);

Button btn\_delete=(Button) convertView.findViewById(R.id.btn\_delete);

final HashMap<String, String> hm = al.get(position);

tv\_exp\_date.setText("" + hm.get(DatabaseHandler.KEY\_EXP\_DATE));

tv\_category.setText("" + hm.get(DatabaseHandler.KEY\_CATEGORY));

tv\_amount.setText(getResources().getString(R.string.rs)+" "+ hm.get(DatabaseHandler.KEY\_AMOUNT));

tv\_description.setText("" + hm.get(DatabaseHandler.KEY\_DESCRIPTION));

btn\_delete.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

int rec=db.deleteRecords("" + hm.get(DatabaseHandler.KEY\_ID));

Toast.makeText(ListviewEditReports\_Activity.this, "" + rec, Toast.LENGTH\_SHORT).show();

finish();

}

});

return convertView;

}

}

}

**Row\_edit\_reports.xml:**

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

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:background="#607D8B"

android:layout\_margin="8dp"

android:orientation="vertical"

android:padding="8dp">

<TextView

android:id="@+id/tv\_exp\_date"

android:layout\_marginTop="8dp"

android:layout\_marginBottom="8dp"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="exp\_date"

android:gravity="center\_horizontal"

android:textSize="20sp"

android:textColor="#EEEEEE" />

<TextView

android:id="@+id/tv\_category"

android:layout\_width="match\_parent"

android:gravity="center\_horizontal"

android:layout\_height="wrap\_content"

android:text="tv\_category"

android:textColor="#FFF"

android:textSize="16sp" />

<TextView

android:id="@+id/tv\_amount"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:shadowColor="#000"

android:shadowDx="1"

android:layout\_marginTop="8dp"

android:shadowDy="1"

android:shadowRadius="0.6"

android:text="amount"

android:gravity="center\_horizontal"

android:textColor="#FFF"

android:textSize="24sp"

android:textStyle="bold" />

<TextView

android:id="@+id/tv\_description"

android:layout\_width="match\_parent"

android:gravity="center\_horizontal"

android:layout\_height="wrap\_content"

android:layout\_marginTop="8dp"

android:textSize="16sp"

android:visibility="gone"

android:text="tv\_description"

android:textColor="#FFF" />

<Button

android:id="@+id/btn\_delete"

android:layout\_width="wrap\_content"

android:layout\_gravity="right"

android:layout\_height="wrap\_content"

android:layout\_marginTop="8dp"

android:background="#F44336"

android:textSize="16sp"

android:text="Delete"

android:textColor="#FFF" />

</LinearLayout>

</RelativeLayout>

**Graphs\_Home\_Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.ImageButton;

public class Graphs\_Home\_Activity extends Activity{

Button btn\_daily\_report,btn\_monthly\_report;

ImageButton ic\_back;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_graphs\_home);

btn\_monthly\_report=(Button)findViewById(R.id.btn\_monthly\_report);

btn\_daily\_report=(Button)findViewById(R.id.btn\_daily\_report);

ic\_back=(ImageButton)findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

btn\_monthly\_report.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

startActivity(new Intent(getApplicationContext(),Monthly\_Graphs\_Activity.class));

}

});

btn\_daily\_report.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

startActivity(new Intent(getApplicationContext(),Report\_Daily\_Activity.class));

}

});

}

}

**Activity\_graphs\_home.xml:**

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

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:background="#F1F1F1" >

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6" >

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_centerInParent="true"

android:layout\_height="wrap\_content"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="20sp"

android:text="Graphs"/>

</RelativeLayout>

<Button

android:id="@+id/btn\_daily\_report"

android:layout\_width="match\_parent"

android:layout\_margin="16dp"

android:drawableLeft="@drawable/ic\_insurence"

android:drawablePadding="8dp"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:gravity="left|center\_vertical"

android:shadowDy="1"

android:shadowRadius="0.6"

android:paddingLeft="16dp"

android:textSize="18sp"

android:text="Daily Report"

android:background="#E91E63"

android:layout\_height="wrap\_content" />

<Button

android:id="@+id/btn\_monthly\_report"

android:layout\_width="match\_parent"

android:layout\_margin="16dp"

android:drawableLeft="@drawable/ic\_bank\_cards"

android:drawablePadding="8dp"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:gravity="left|center\_vertical"

android:shadowRadius="0.6"

android:paddingLeft="16dp"

android:textSize="18sp"

android:text="Monthly Reports"

android:background="#673AB7"

android:layout\_height="wrap\_content" />

</LinearLayout>

**Monthly\_Graphs\_activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.app.AlertDialog;

import android.app.DatePickerDialog;

import android.app.Dialog;

import android.os.Bundle;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.EditText;

import android.widget.ImageButton;

import android.widget.Spinner;

import android.widget.TextView;

import android.widget.Toast;

import com.github.mikephil.charting.charts.PieChart;

import com.github.mikephil.charting.data.Entry;

import com.github.mikephil.charting.data.PieData;

import com.github.mikephil.charting.data.PieDataSet;

import com.github.mikephil.charting.utils.ColorTemplate;

import com.personalfinanceapp.database.DatabaseHandler;

import java.util.ArrayList;

import java.util.Calendar;

import java.util.HashMap;

public class Monthly\_Graphs\_Activity extends Activity implements View.OnClickListener {

Button getreport;

TextView welcome, date, category11;

String selected\_category;

Spinner category;

String[] categort\_data = new String[]{DatabaseHandler.KEY\_FOOD\_CATEGORY, DatabaseHandler.KEY\_ENTERTAINMENT\_CATEGORY, DatabaseHandler.KEY\_HEALTH\_CATEGORY, DatabaseHandler.KEY\_TRAVEL\_CATEGORY};

int \_month;

PieChart pieChart;

private ImageButton ib\_calender;

private Calendar cal;

private int day;

private int month;

private int year;

private EditText etDate;

private DatePickerDialog.OnDateSetListener datePickerListener = new DatePickerDialog.OnDateSetListener() {

public void onDateSet(DatePicker view, int selectedYear,

int selectedMonth, int selectedDay) {

etDate.setText(selectedDay + "-" + (selectedMonth + 1) + "-" + selectedYear);

\_month = (selectedMonth + 1) ;

}

};

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_month\_graphs);

ImageButton ic\_back = (ImageButton) findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

ib\_calender = (ImageButton) findViewById(R.id.imageButton1);

pieChart = (PieChart) findViewById(R.id.chart);

getreport = (Button) findViewById(R.id.button1);

cal = Calendar.getInstance();

day = cal.get(Calendar.DAY\_OF\_MONTH);

month = cal.get(Calendar.MONTH);

year = cal.get(Calendar.YEAR);

etDate = (EditText) findViewById(R.id.editText);

category = (Spinner) findViewById(R.id.spinnerCategory);

ArrayAdapter<CharSequence> categoryAdapter = new ArrayAdapter<CharSequence>(this, android.R.layout.simple\_spinner\_item, categort\_data);

categoryAdapter.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item);

category.setAdapter(categoryAdapter);

ib\_calender.setOnClickListener(this);

getreport.setOnClickListener(this);

category.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {

@Override

public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {

selected\_category = parent.getItemAtPosition(position).toString();

}

@Override

public void onNothingSelected(AdapterView<?> parent) {

}

});

}

@Override

public void onClick(View v) {

if (v == ib\_calender) {

showDialog(0);

}

if (v == getreport) {

if (etDate.getText().toString().trim().length() == 0) {

showMessage("Error", "Please enter date");

return;

}

graphs();

}

}

@Override

@Deprecated

protected Dialog onCreateDialog(int id) {

return new DatePickerDialog(this, datePickerListener, year, month, day);

}

public void showMessage(String title, String message) {

AlertDialog.Builder builder = new AlertDialog.Builder(this);

builder.setCancelable(true);

builder.setTitle(title);

builder.setMessage(message);

builder.show();

}

public void clearText() {

etDate.setText("");

etDate.requestFocus();

}

void graphs() {

DatabaseHandler db = new DatabaseHandler(Monthly\_Graphs\_Activity.this);

ArrayList<HashMap<String, String>> al = db.getAllRecordsByMonth(\_month);

Toast.makeText(Monthly\_Graphs\_Activity.this,""+al.size(),Toast.LENGTH\_LONG).show();

ArrayList<String> labels = new ArrayList<String>();

ArrayList<Entry> entries = new ArrayList<>();

for (int i = 0; i < al.size(); i++) {

HashMap<String, String> hm = al.get(i);

int amt = Integer.parseInt(hm.get(DatabaseHandler.KEY\_AMOUNT));

entries.add(new Entry(amt, i));

labels.add(hm.get(DatabaseHandler.KEY\_CATEGORY));

}

PieDataSet dataset = new PieDataSet(entries, "Dialy Expense Report");

PieData data = new PieData(labels, dataset);

dataset.setColors(ColorTemplate.COLORFUL\_COLORS); //

pieChart.setDescription("Description");

pieChart.setData(data);

pieChart.animateY(5000);

// pieChart.saveToGallery("/sd/mychart.jpg", 85); // 85 is the quality of the image

}

}

**Activity\_month\_graphs.xml:**

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6" >

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_centerInParent="true"

android:layout\_height="wrap\_content"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="20sp"

android:text="Monthly Report"/>

</RelativeLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_marginTop="52dp"

android:padding="16dp"

android:orientation="vertical"

tools:context=".MainActivity">

<TextView

android:id="@+id/date"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Date :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="horizontal">

<EditText

android:id="@+id/editText"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:editable="false"

android:ems="10">

<requestFocus />

</EditText>

<ImageButton

android:id="@+id/imageButton1"

android:layout\_width="35dp"

android:layout\_height="35dp"

android:layout\_weight="0"

android:background="@drawable/calendar\_icon" />

</LinearLayout>

<TextView

android:id="@+id/category"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Category :"

android:visibility="gone"

android:textAppearance="?android:attr/textAppearanceMedium" />

<Spinner

android:id="@+id/spinnerCategory"

android:visibility="gone"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

/>

<Button

android:id="@+id/button1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Get Report" />

<com.github.mikephil.charting.charts.PieChart

android:id="@+id/chart"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent" />

</LinearLayout>

</RelativeLayout>

**Daily Activity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.app.AlertDialog.Builder;

import android.app.DatePickerDialog;

import android.app.Dialog;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.view.View.OnClickListener;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.EditText;

import android.widget.ImageButton;

import android.widget.Spinner;

import android.widget.TextView;

import com.personalfinanceapp.database.DatabaseHandler;

import java.util.Calendar;

public class Daily\_Activity extends Activity implements OnClickListener {

Button getreport;

TextView date;

String selected\_category;

Spinner category;

String[] categort\_data = new String[]{DatabaseHandler.KEY\_FOOD\_CATEGORY, DatabaseHandler.KEY\_ENTERTAINMENT\_CATEGORY, DatabaseHandler.KEY\_HEALTH\_CATEGORY, DatabaseHandler.KEY\_TRAVEL\_CATEGORY};

private ImageButton ib\_calender;

private Calendar cal;

private int day;

private int month;

private int year;

private EditText etDate;

private DatePickerDialog.OnDateSetListener datePickerListener = new DatePickerDialog.OnDateSetListener() {

public void onDateSet(DatePicker view, int selectedYear,

int selectedMonth, int selectedDay) {

etDate.setText(selectedDay + "-" + (selectedMonth + 1) + "-" + selectedYear);

}

};

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_daily);

ImageButton ic\_back = (ImageButton) findViewById(R.id.ic\_back);

ic\_back.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

finish();

}

});

ib\_calender = (ImageButton) findViewById(R.id.imageButton1);

getreport = (Button) findViewById(R.id.button1);

cal = Calendar.getInstance();

day = cal.get(Calendar.DAY\_OF\_MONTH);

month = cal.get(Calendar.MONTH);

year = cal.get(Calendar.YEAR);

etDate = (EditText) findViewById(R.id.editText);

category = (Spinner) findViewById(R.id.spinnerCategory);

ArrayAdapter<CharSequence> categoryAdapter = new ArrayAdapter<CharSequence>(this, android.R.layout.simple\_spinner\_item, categort\_data);

categoryAdapter.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item);

category.setAdapter(categoryAdapter);

ib\_calender.setOnClickListener(this);

getreport.setOnClickListener(this);

category.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {

@Override

public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {

selected\_category = parent.getItemAtPosition(position).toString();

}

@Override

public void onNothingSelected(AdapterView<?> parent) {

}

});

}

@Override

public void onClick(View v) {

if (v == ib\_calender) {

showDialog(0);

}

if (v == getreport) {

if (etDate.getText().toString().trim().length() == 0) {

showMessage("Error", "Please enter date");

return;

}

Intent intent = new Intent(getApplicationContext(), ListviewDailyReports\_Activity.class);

intent.putExtra("category", selected\_category);

intent.putExtra("r\_date", etDate.getText().toString()); //putextra adds data to the content

startActivity(intent);

}

}

@Override

protected Dialog onCreateDialog(int id) {

return new DatePickerDialog(this, datePickerListener, year, month, day);

}

public void showMessage(String title, String message) { //provides a way to set the fields

Builder builder = new Builder(this);

builder.setCancelable(true);

builder.setTitle(title);

builder.setMessage(message);

builder.show();

}

public void clearText() {

etDate.setText("");

etDate.requestFocus();

}

}

**Activity\_daily\_graphs.xml:**

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<RelativeLayout

android:layout\_width="match\_parent"

android:layout\_height="50dp"

android:background="#00BBA6" >

<ImageButton

android:id="@+id/ic\_back"

android:layout\_width="50dp"

android:layout\_height="50dp"

android:background="@drawable/ic\_back" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_centerInParent="true"

android:layout\_height="wrap\_content"

android:textColor="#FFF"

android:shadowColor="#000"

android:shadowDx="1"

android:shadowDy="1"

android:shadowRadius="0.6"

android:textSize="20sp"

android:text="Daily Report"/>

</RelativeLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_marginTop="52dp"

android:padding="16dp"

android:orientation="vertical"

tools:context=".MainActivity">

<TextView

android:id="@+id/date"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Date :"

android:textAppearance="?android:attr/textAppearanceMedium" />

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="horizontal">

<EditText

android:id="@+id/editText"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:editable="false"

android:ems="10">

<requestFocus />

</EditText>

<ImageButton

android:id="@+id/imageButton1"

android:layout\_width="35dp"

android:layout\_height="35dp"

android:layout\_weight="0"

android:background="@drawable/calendar\_icon" />

</LinearLayout>

<TextView

android:id="@+id/category"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Category :"

android:visibility="gone"

android:textAppearance="?android:attr/textAppearanceMedium" />

<Spinner

android:id="@+id/spinnerCategory"

android:visibility="gone"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

/>

<Button

android:id="@+id/button1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Get Report" />

<com.github.mikephil.charting.charts.PieChart

android:id="@+id/chart"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent" />

</LinearLayout>

</RelativeLayout>

**AndroidTimeActivity.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.app.AlarmManager;

import android.app.PendingIntent;

import android.app.TimePickerDialog;

import android.app.TimePickerDialog.OnTimeSetListener;

import android.content.Context;

import android.content.Intent;

import android.os.Bundle;

import android.view.View;

import android.view.View.OnClickListener;

import android.widget.Button;

import android.widget.TextView;

import android.widget.TimePicker;

import java.util.Calendar;

public class AndroidTimeActivity extends Activity {

TimePicker myTimePicker;

Button stn, btnStop;

TextView textAlarmPrompt;

TimePickerDialog timePickerDialog;

PendingIntent pendingIntent;

AlarmManager alarmManager;

final static int RQS\_1 = 1;

/\*\*

\* Called when the activity is first created.

\*/

@Override

public void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_alarm);

textAlarmPrompt = (TextView) findViewById(R.id.alarmprompt);

stn = (Button) findViewById(R.id.stn);

btnStop = (Button) findViewById(R.id.btnStop);

stn.setOnClickListener(new OnClickListener() {

@Override

public void onClick(View v) {

textAlarmPrompt.setText("");

openTimePickerDialog(false);

}

});

btnStop.setOnClickListener(new OnClickListener() {

@Override

public void onClick(View view) {

AlarmManager alarmManager = (AlarmManager) getSystemService(Context.ALARM\_SERVICE);

alarmManager.cancel(pendingIntent);

}

});

}

private void openTimePickerDialog(boolean is24r) {

Calendar calendar = Calendar.getInstance();

timePickerDialog = new TimePickerDialog(

AndroidTimeActivity.this,

onTimeSetListener,

calendar.get(Calendar.HOUR\_OF\_DAY),

calendar.get(Calendar.MINUTE),

is24r);

timePickerDialog.setTitle("Set Alarm Time");

timePickerDialog.show();

}

OnTimeSetListener onTimeSetListener = new OnTimeSetListener() {

@Override

public void onTimeSet(TimePicker view, int hourOfDay, int minute) {

Calendar calNow = Calendar.getInstance();

Calendar calSet = (Calendar) calNow.clone();

calSet.set(Calendar.HOUR\_OF\_DAY, hourOfDay);

calSet.set(Calendar.MINUTE, minute);

calSet.set(Calendar.SECOND, 0);

calSet.set(Calendar.MILLISECOND, 0);

if (calSet.compareTo(calNow) <= 0) {

//Today Set time passed, count to tomorrow

calSet.add(Calendar.DATE, 1);

}

setAlarm(calSet);

}

};

private void setAlarm(Calendar targetCal) {

textAlarmPrompt.setText("\n\n\*\*\*\n" + "Alarm is set for 24 hours @ " + targetCal.getTime() + "\n" + "\*\*\*\n");

Intent intent = new Intent(getBaseContext(), NotifyReceiver.class);

pendingIntent = PendingIntent.getBroadcast(getBaseContext(), RQS\_1, intent, 0);

alarmManager = (AlarmManager) getSystemService(Context.ALARM\_SERVICE);

alarmManager.setRepeating(AlarmManager.RTC\_WAKEUP, targetCal.getTimeInMillis(),1000\*60\*60\*24,pendingIntent);

}

}

**Activity\_alarm.xml:**

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

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:orientation="vertical" android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="--"

android:id="@+id/alarmprompt" />

<Button

android:layout\_width="match\_parent"

android:layout\_marginTop="25dp"

android:layout\_height="wrap\_content"

android:text="Set Notification Time"

android:id="@+id/stn" />

<Button

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:visibility="gone"

android:text="Stop"

android:id="@+id/btnStop" />

</LinearLayout>

**Notification\_Details.java:**

package com.personalfinanceapp;

import android.app.Activity;

import android.content.Context;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.widget.LinearLayout;

import android.widget.TextView;

import com.personalfinanceapp.database.DatabaseHandler;

import java.util.ArrayList;

import java.util.Calendar;

import java.util.HashMap;

public class Notification\_Details extends Activity{

LinearLayout ll\_details;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_notification\_details);

ll\_details=(LinearLayout)findViewById(R.id.ll\_details);

DatabaseHandler db=new DatabaseHandler(Notification\_Details.this);

Calendar cal = Calendar.getInstance();

int day = cal.get(Calendar.DAY\_OF\_MONTH);

int month = cal.get(Calendar.MONTH);

int year = cal.get(Calendar.YEAR);

ArrayList<HashMap<String,String>> al=db.getAllDueDateRecords(day+"-"+(month+1)+"-"+year);

LayoutInflater inflater = (LayoutInflater) Notification\_Details.this.getSystemService(Context.LAYOUT\_INFLATER\_SERVICE);//Step-3

//to display a list of records

//Step-4

for(int i=0;i<al.size();i++){

View child = inflater.inflate(R.layout.row\_policy\_details, null);

TextView tv\_policy\_num=(TextView)child.findViewById(R.id.tv\_policy\_num);

TextView tv\_policy\_provider=(TextView)child.findViewById(R.id.tv\_policy\_provider);

TextView tv\_due\_date=(TextView)child.findViewById(R.id.tv\_due\_date);

TextView tv\_installment\_period=(TextView)child.findViewById(R.id.tv\_installment\_period);

TextView tv\_premimum=(TextView)child.findViewById(R.id.tv\_premimum);

HashMap<String, String> hm = al.get(i);

tv\_policy\_num.setText("Policy Number : "+hm.get(DatabaseHandler.KEY\_POLICY\_NUM));

tv\_policy\_provider.setText("Insurence Provider : "+hm.get(DatabaseHandler.KEY\_INSURANCE\_PROVIDER));

tv\_due\_date.setText("Due Date : "+hm.get(DatabaseHandler.KEY\_DUE\_DATES));

tv\_installment\_period.setText("Installment Period : "+hm.get(DatabaseHandler.KEY\_INSTALLMENT\_PERIOD));

tv\_premimum.setText("Premium : "+hm.get(DatabaseHandler.KEY\_PREMIUM));

ll\_details.addView(child);//Step-5

}

}

}

**Activity\_Notification\_details.xml:**

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

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical" >

<ScrollView

android:layout\_width="match\_parent"

android:layout\_height="match\_parent" >

<LinearLayout

android:id="@+id/ll\_details"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="vertical" >

</LinearLayout>

</ScrollView>

</LinearLayout>

**NotifyReciever\_Activity.java:**

package com.personalfinanceapp;

import android.app.NotificationManager;

import android.app.PendingIntent;

import android.content.BroadcastReceiver;

import android.content.Context;

import android.content.Intent;

import android.media.RingtoneManager;

import android.net.Uri;

import android.support.v4.app.NotificationCompat;

import com.personalfinanceapp.database.DatabaseHandler;

import java.util.ArrayList;

import java.util.Calendar;

import java.util.HashMap;

public class NotifyReceiver extends BroadcastReceiver{

int MID=0;

@Override

public void onReceive(Context context, Intent intent) {

DatabaseHandler db=new DatabaseHandler(context);

Calendar cal = Calendar.getInstance();

int day = cal.get(Calendar.DAY\_OF\_MONTH);

int month = cal.get(Calendar.MONTH);

int year = cal.get(Calendar.YEAR);

ArrayList<HashMap<String,String>> al=db.getAllDueDateRecords(day+"-"+(month+1)+"-"+year);

int size=al.size();

if(size>0) {

HashMap<String,String> hm=al.get(0);

String p\_num=hm.get(DatabaseHandler.KEY\_POLICY\_NUM);

long when = System.currentTimeMillis();

NotificationManager notificationManager = (NotificationManager) context.getSystemService(Context.NOTIFICATION\_SERVICE);

Intent notificationIntent = new Intent(context, Notification\_Details.class);

notificationIntent.setFlags(Intent.FLAG\_ACTIVITY\_CLEAR\_TOP);

PendingIntent pendingIntent = PendingIntent.getActivity(context, 0, notificationIntent, PendingIntent.FLAG\_UPDATE\_CURRENT);

Uri alarmSound = RingtoneManager.getDefaultUri(RingtoneManager.TYPE\_NOTIFICATION);

NotificationCompat.Builder mNotifyBuilder = new NotificationCompat.Builder(context)

.setSmallIcon(R.drawable.calendar\_icon)

.setContentTitle("Insurence Due Date")

.setContentText("Policy Number : "+p\_num).setSound(alarmSound)

.setAutoCancel(true).setWhen(when)

.setContentIntent(pendingIntent);

notificationManager.notify(MID, mNotifyBuilder.build());

MID++;

}

}

}