Login Page

package com.example.filenewproject;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.Statement;

import android.content.Intent;

import android.content.SharedPreferences;

import android.content.SharedPreferences.Editor;

import android.app.Activity;

import android.graphics.Color;

import android.os.AsyncTask;

import android.os.Bundle;

import android.view.Menu;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import android.widget.Toast;

public class MainActivity extends Activity {

public EditText username=null;

public EditText password=null;

private TextView attempts;

private Button login;

public String usrnm, psswd;

public String usrnmLogged, psswdLogged;

boolean resultMatch= false;;

boolean loggedIn= false;

int counter = 3;

DataBaseConnection dbc;

Connection connLogin;

Statement stmt;

SharedPreferences sh\_Pref;

private static final String MY\_PREFERENCES = "Login Credentials";

Editor toEdit;

boolean flag\_on\_Create = false;

boolean flag\_on\_Resume = false;

boolean flag\_on\_Start = false;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

attempts = (TextView)findViewById(R.id.textView5);

//attempts.setText(Integer.toString(counter));

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

sh\_Pref = getSharedPreferences(MY\_PREFERENCES, MODE\_PRIVATE);

boolean secondCreate;

secondCreate = sh\_Pref.getBoolean("first", loggedIn);

if (secondCreate == true)

{

flag\_on\_Create = true;

Intent intent = new Intent(getApplicationContext(), Second.class);

startActivity(intent);

}

}

@Override

protected void onResume(){

super.onResume();

if( flag\_on\_Create == false && flag\_on\_Start == false)

{

boolean secondResume;

secondResume = sh\_Pref.getBoolean("first", loggedIn);

if (secondResume == true )

{

flag\_on\_Resume = true;

Intent intent = new Intent(getApplicationContext(), Second.class);

startActivity(intent);

}

}

}

@Override

protected void onStart(){

super.onStart();

if(flag\_on\_Create == false)

{

flag\_on\_Start = true;

boolean secondStart;

secondStart = sh\_Pref.getBoolean("first", loggedIn);

if (secondStart == true )

{

Intent intent = new Intent(getApplicationContext(), Second.class);

startActivity(intent);

}

}

}

public void login(View view){

username = (EditText)findViewById(R.id.editText1);

password = (EditText)findViewById(R.id.editText2);

usrnm = username.getText().toString();

psswd = password.getText().toString();

new ConnectToDatabaseTask().execute();

}

public void logged()

{

loggedIn= true;

Toast.makeText(getApplicationContext(), "Redirecting...",

Toast.LENGTH\_SHORT).show();

sharedPrefernces();

}

public void sharedPrefernces()

{

sh\_Pref = getSharedPreferences(MY\_PREFERENCES, MODE\_PRIVATE);

toEdit = sh\_Pref.edit();

toEdit.putString("usrnmLogged", usrnmLogged);

toEdit.putString("psswdLogged", psswdLogged);

toEdit.putBoolean("first",loggedIn);

toEdit.commit();

}

public void notLogged()

{

Toast.makeText(getApplicationContext(), "Wrong Credentials",

Toast.LENGTH\_SHORT).show();

attempts.setBackgroundColor(Color.RED);

counter--;

attempts.setText(Integer.toString(counter));

if(counter==0){

login.setEnabled(false);

}

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

// Inflate the menu; this adds items to the action bar if it is present.

getMenuInflater().inflate(R.menu.main, menu);

return true;

}

class ConnectToDatabaseTask extends AsyncTask<Void, Void, Void> {

@Override

protected void onPostExecute(Void result) {

if (resultMatch == true)

logged();

else

notLogged();

}

@Override

protected Void doInBackground(Void... arg0) {

// TODO Auto-generated method stub

dbc = new DataBaseConnection();

connLogin = dbc.getDataBaseConnection();

if(usrnm != null && psswd != null){

String query = "select \* from USER where USERNAME= '"+usrnm+"' AND PASSWORD= '"+psswd+"'";

try {

if(connLogin != null){

stmt = connLogin.createStatement();

stmt.executeQuery(query);

ResultSet rs = stmt.executeQuery(query);

if (rs.next()){

usrnmLogged = rs.getString("USERNAME");

psswdLogged = rs.getString("PASSWORD");

resultMatch = true;

}

}

}

catch (Exception e) {

System.out.println("Error in execute query::"+e.getMessage());

e.printStackTrace();

} }

return null;

}

}

}

Database Connection

package com.example.filenewproject;

import java.sql.Connection;

import java.sql.DriverManager;

public class DataBaseConnection {

Connection connect = null;

boolean result = false;

public Connection getDataBaseConnection(){

if(connect == null){

try {

Class.forName("com.mysql.jdbc.Driver");// loading MySQL driver

connect = DriverManager.getConnection("jdbc:mysql://cmpe277.c38qsf0avgvg.us-west-1.rds.amazonaws.com:3306/CMPE277?user=root&password=rootcmpe277");

//Set up connection with DB, username, password

} catch (Exception e) {

System.out.println("Exception in Login::"+e.getMessage());

e.printStackTrace();

}

}

return connect;

}

}

Empty Screen (to show that once user has logged in and if he/she closed the app, he/she need not to be log-in again unless logged out)

package com.example.filenewproject;

import android.app.Activity;

import android.os.Bundle;

public class Second extends Activity {

/\*\* Called when the activity is first created. \*/

@Override

public void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.second);

// TODO Auto-generated method stub

}

}