# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

### “Jnana Sangama”, Belagavi – 590 018, Karnataka



**MINI PROJECT REPORT**

**ON**

“EMPLOYEE SALARY CALCULATOR”

**Submitted in partial fulfillment of the requirements for the Mobile Application Development Lab (18CSMP68)**

**BACHELOR OF ENGINEERING IN**

**COMPUTER SCIENCE & ENGINEERING**

*Submitted by:*

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under the guidance of



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#### Tataguni, Off. Kanakapura Road, Bengaluru – 560 082

**2022 – 2023**

JYOTHY INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering Accredited by NBA, New Delhi Tataguni, Off. Kanakapura Road,

#### Bengaluru - 560 082



C E R T I F I C A T E

This is to certify that the Mini Project titled '**EMPLOYEE-SALARY-CALCULATOR'** carried out by **Mr. S. Sai Praneeth**, **USN:** 1JT20CS076, a bonafide student of Jyothy Institute of Technology, in partial fulfillment for the award of **Bachelor of Engineering**, in **Computer Science and Engineering** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023.

#### The project report has been approved, as it satisfies the academic requirements in respect of Mini Project prescribed for the course Mobile Application Development Lab (18CSMP68).

Signature of Faculty Incharge Signature of HOD

#### .................................................................. ...................................

Prof. Nagaraj. A Prof. Roopa Deshpande Dr. Prabhanjan. S.

Associate Professor Asst Professor Prof & Head of Dept - CSE

Dept of CSE Dept of CSE JIT, Bengaluru JIT, Bengaluru JIT Bengaluru

External Viva

Name of the Examiners Signature with Date

#### 1)

2)

# D E C L A R A T I O N

I, S. Sai Praneeth, 6th Semester student of Computer Science and Engineering, Jyothy Institute of Technology, Bangalore - 560 082, declare that the Mini Project of Mobile Application Development Lab (18CSMP68) is successfully completed.

# This report is submitted in partial fulfillment of the requirements for award of Bachelor Degree in Computer Science and Engineering, during the academic year 2022-2023.

Date: 30/6/2023 Place: Bangalore

# USN: 1JT20CS076

Name: S.Sai Praneeth

# A C K N O W L E D G E M E N T

### This Mini Project is a result of accumulated guidance, direction and support of several important persons. I take this opportunity to express my gratitude to all, who have helped us to complete the Mini Project.

I express our sincere thanks to our Principal Dr K. Gopalakrishna, for providing us adequate facilities to undertake this Mini Project.

### I would like to thank Dr. Prabhanjan. S, Head of Dept - CSE, for providing us an opportunity to carry out Mini Project and for his valuable guidance and support.

I would like to thank, Prof. Nagaraj. A and Prof. Roopa Deshpande, Faculty In Charge, for guiding us during the period of Mini Project.

### I would like to thank all the faculty members of CSE department for the support extended during the course of Mini Project.

I would like to thank the non-teaching members of the Dept of CSE, for helping us during the Mini Project.

### Last but not the least, I would like to thank our parents and friends without whose constant help, the completion of Mini Project would have not been possible.

**S.SAI PRANEETH [1JT20CS076]**

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**CHAPTER 1**

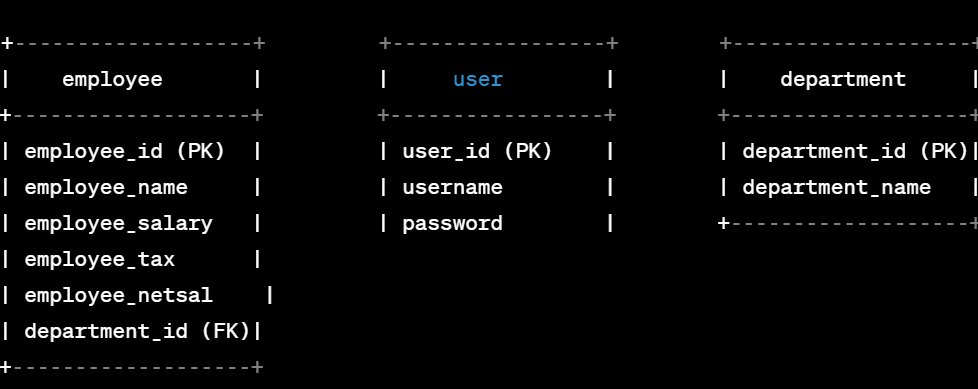
**Problem statement with**

**Input and Output diagram**

**Problem Statement:**

Develop an android application – Employee salary calculator application that helps companies to keep track of all the employees and their details, by adding, deleting, and displaying all the current employees.

## Input and Output Diagram:



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**CHAPTER 2**

**XML files Code**

## activity\_main.xml:

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

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

xmlns:app=<http://schemas.android.com/apk/res-auto>

xmlns:tools=<http://schemas.android.com/tools>

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="@drawable/back6"

tools:context=".MainActivity"

android:orientation="horizontal">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:gravity="center"

android:orientation="vertical">

<TextView

android:layout\_width="349dp"

android:layout\_height="163dp"

android:layout\_marginBottom="30dp"

android:gravity="center"

android:text="@string/emptitle"

android:textColor="@color/white"

android:textSize="25sp"

android:textStyle="bold" />

<ImageView

android:layout\_width="248dp"

android:layout\_height="167dp"

android:gravity="center"

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

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:orientation="horizontal">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20sp"

android:text="@string/empname"

android:textColor="@color/white"

android:textStyle="bold" />

<EditText

android:id="@+id/empname"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:textColor="@color/white"

android:textStyle="bold"

tools:ignore="TouchTargetSizeCheck,SpeakableTextPresentCheck" />

</LinearLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:orientation="horizontal">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20sp"

android:text="@string/empsalary"

android:textColor="#FFFFFF"

android:textStyle="bold" />

<EditText

android:id="@+id/empsal"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:textColor="@color/white"

android:textStyle="bold"

tools:ignore="SpeakableTextPresentCheck,TouchTargetSizeCheck" />

</LinearLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:orientation="horizontal">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20sp"

android:text="@string/emptax"

android:textColor="#FFFFFF"

android:textStyle="bold" />

<EditText

android:id="@+id/emptax"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:textColor="@color/white"

android:textStyle="bold"

tools:ignore="TouchTargetSizeCheck,SpeakableTextPresentCheck" />

</LinearLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:orientation="horizontal">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20sp"

android:text="@string/netsal"

android:textColor="#FFFFFF"

android:textStyle="bold" />

<EditText

android:id="@+id/netsal"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:textColor="@color/white"

android:textStyle="bold"

tools:ignore="TouchTargetSizeCheck,SpeakableTextPresentCheck" />

</LinearLayout>

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:gravity="center"

android:orientation="horizontal">

<Button

android:id="@+id/btn1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:backgroundTint="@color/teal\_700"

android:shadowColor="#3F51B5"

android:text="@string/btnok"

android:textColor="#FBF8F8" />

<Button

android:id="@+id/btn2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:backgroundTint="@color/purple\_500"

android:text="@string/btncancel"

android:textColor="#FDFCFC" />

</LinearLayout>

<Button

android:id="@+id/btnView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="View"

android:textColor="@color/white"

android:backgroundTint="@color/purple\_700"

/>

</LinearLayout>

</LinearLayout>

## activity\_login.xml

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

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

xmlns:app=<http://schemas.android.com/apk/res-auto>

xmlns:tools=<http://schemas.android.com/tools>

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical"

android:background="@drawable/back6"

android:padding="16dp">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="LOGIN"

android:paddingBottom="10dp"

android:textSize="50dp"

android:textColor="@color/white"

android:layout\_gravity="center"/>

<ImageView

android:layout\_width="260dp"

android:layout\_height="229dp"

android:layout\_gravity="center"

android:src="@drawable/login\_logo"

android:paddingTop="10dp"/>

<EditText

android:id="@+id/usernameEditText"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Username"

android:textColorHint="@color/white"

android:maxHeight="48dp"

android:inputType="text"

android:textColor="@color/white"

android:maxLines="1"

android:imeOptions="actionNext" />

<EditText

android:id="@+id/passwordEditText"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Password"

android:textColorHint="@color/white"

android:maxHeight="48dp"

android:textColor="@color/white"

android:inputType="textPassword"

android:maxLines="1"

android:imeOptions="actionDone" />

<Button

android:id="@+id/loginButton"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:backgroundTint="@color/purple\_200"

android:text="Log In" />

<TextView

android:id="@+id/newUserTextView"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="New User? Sign Up"

android:textColor="@color/white"

android:textStyle="bold"

android:gravity="right"

android:layout\_marginTop="16dp" />

</LinearLayout>

## activity\_signup.xml

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

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

## xmlns:app="http://schemas.android.com/apk/res-auto"

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

## android:layout\_width="match\_parent"

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

## android:orientation="vertical"

## android:background="@drawable/back6"

## android:padding="16dp">

## <TextView

## android:layout\_width="wrap\_content"

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

## android:text="SIGN-UP"

## android:textSize="50dp"

## android:textColor="@color/white"

## android:layout\_gravity="center"/>

## <ImageView

## android:layout\_width="wrap\_content"

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

## android:src="@drawable/signup\_logo"

## android:layout\_gravity="center"/>

## <EditText

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

## android:layout\_width="match\_parent"

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

## android:hint="Username"

## android:textColor="@color/white"

## android:textColorHint="@color/white"

## android:maxHeight="48dp"

## android:inputType="text"

## android:maxLines="1"

## android:imeOptions="actionNext" />

## <EditText

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

## android:layout\_width="match\_parent"

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

## android:hint="Password"

## android:textColorHint="@color/white"

## android:maxHeight="48dp"

## android:textColor="@color/white"

## android:inputType="textPassword"

## android:maxLines="1"

## android:imeOptions="actionNext" />

## <EditText

## android:id="@+id/et\_confirm\_Password"

## android:layout\_width="match\_parent"

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

## android:hint="Confirm Password"

## android:textColorHint="@color/white"

## 

## android:maxHeight="48dp"

## android:textColor="@color/white"

## android:inputType="textPassword"

## android:maxLines="1"

## android:imeOptions="actionDone" />

## <Button

## android:id="@+id/btnsignup"

## android:layout\_width="match\_parent"

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

## android:text="Sign Up"

## android:backgroundTint="@color/purple\_200"

## android:textColor="@color/black"/>

## </LinearLayout>

## activity\_view.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"

## android:padding="16dp"

## android:background="@drawable/back6"

## tools:context=".ViewActivity"

## android:paddingTop="1000dp">

## <ScrollView

## android:layout\_width="match\_parent"

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

## <LinearLayout

## android:layout\_width="match\_parent"

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

## android:orientation="vertical">

## <TextView

## android:id="@+id/text\_view"

## android:layout\_width="wrap\_content"

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

## android:text="No employee data found."

## android:textSize="16sp"

## android:textColor="@color/white"

## android:layout\_gravity="center"/>

## <Button

## android:id="@+id/clear\_button"

## android:layout\_width="wrap\_content"

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

## android:text="Clear Employee Details"

## android:layout\_gravity="center"

## android:backgroundTint="@color/teal\_700"

## 

## android:paddingTop="10dp"/>

## </LinearLayout>

## </ScrollView>

## </LinearLayout>

**CHAPTER 3**

**Java files Code**

## MainActivity.java

## package com.example.employeemonthlysalary;

## import android.content.Intent;

## import android.support.v7.app.AppCompatActivity;

## import android.os.Bundle;

## import android.view.View;

## import android.widget.Button;

## import android.widget.EditText;

## import android.widget.Toast;

## public class MainActivity extends AppCompatActivity {

## EditText ed1, ed2, ed3, ed4;

## Button btn1, btn2, btnView;

## DBHelper dbHelper; // Declare the DBHelper object

## @Override

## protected void onCreate(Bundle savedInstanceState) {

## super.onCreate(savedInstanceState);

## setContentView(R.layout.activity\_main);

## dbHelper = new DBHelper(this); // Instantiate the DBHelper object

## ed1 = findViewById(R.id.empsal);

## ed2 = findViewById(R.id.emptax);

## ed3 = findViewById(R.id.netsal);

## ed4 = findViewById(R.id.empname);

## btn1 = findViewById(R.id.btn1);

## btn2 = findViewById(R.id.btn2);

## btnView = findViewById(R.id.btnView);

## btn2.setOnClickListener(new View.OnClickListener() {

## @Override

## public void onClick(View v) {

## ed1.setText("");

## ed2.setText("");

## ed3.setText("");

## ed4.setText("");

## ed4.requestFocus();

## }

## });

## btn1.setOnClickListener(new View.OnClickListener() {

## @Override

## public void onClick(View v) {

## double salary = Double.parseDouble(ed1.getText().toString());

## double tax;

## if (salary > 50000) {

## tax = salary \* 13 / 100;

## } else if (salary > 30000) {

## tax = salary \* 7 / 100;

## } else {

## tax = 0;

## }

## ed2.setText(String.valueOf(tax));

## double netSalary = salary - tax;

## ed3.setText(String.valueOf(netSalary));

## // Convert double values to String

## String employeeName = ed4.getText().toString();

## String salaryString = String.valueOf(salary);

## String taxString = String.valueOf(tax);

## String netSalaryString = String.valueOf(netSalary);

## // Generate a unique employee ID

## long employeeId = System.currentTimeMillis();

## // Insert employee data into the database

## dbHelper.insertEmployee(employeeName, salary, tax, netSalary);

## Toast.makeText(MainActivity.this, "Data inserted successfully", Toast.LENGTH\_SHORT).show();

## }

## });

## btnView.setOnClickListener(new View.OnClickListener() {

## @Override

## public void onClick(View v) {

## Intent intent = new Intent(MainActivity.this, ViewActivity.class);

## startActivity(intent);

## }

## });

## }

## }

## LoginActivity.java

## package com.example.employeemonthlysalary;

## import android.content.Intent;

## import android.os.Bundle;

## import android.support.v7.app.AppCompatActivity;

## import android.view.View;

## import android.widget.Button;

## import android.widget.EditText;

## import android.widget.TextView;

## import android.widget.Toast;

## import com.example.employeemonthlysalary.DBHelper;

## public class LoginActivity extends AppCompatActivity {

## EditText usernameEditText, passwordEditText;

## Button loginButton;

## TextView newUserTextView;

## DBHelper dbHelper;

## @Override

## protected void onCreate(Bundle savedInstanceState) {

## super.onCreate(savedInstanceState);

## setContentView(R.layout.activity\_login);

## dbHelper = new DBHelper(this);

## usernameEditText = findViewById(R.id.usernameEditText);

## passwordEditText = findViewById(R.id.passwordEditText);

## loginButton = findViewById(R.id.loginButton);

## newUserTextView = findViewById(R.id.newUserTextView);

## loginButton.setOnClickListener(new View.OnClickListener() {

## @Override

## public void onClick(View v) {

## String username = usernameEditText.getText().toString().trim();

## String password = passwordEditText.getText().toString().trim();

## // Validate the input fields

## if (username.isEmpty() || password.isEmpty()) {

## Toast.makeText(LoginActivity.this, "Please enter all fields", Toast.LENGTH\_SHORT).show();

## } else {

## // Check if the username and password match in the database

## if (dbHelper.checkUserCredentials(username, password)) {

## Toast.makeText(LoginActivity.this, "Login successful", Toast.LENGTH\_SHORT).show();

## startActivity(new Intent(LoginActivity.this, MainActivity.class));

## finish();

## } else {

## Toast.makeText(LoginActivity.this, "Invalid credentials", Toast.LENGTH\_SHORT).show();

## }

## }

## }

## });

## newUserTextView.setOnClickListener(new View.OnClickListener() {

## @Override

## public void onClick(View v) {

## startActivity(new Intent(LoginActivity.this, SignupActivity.class));

## }

## });

## }

## }

## DBHelper.java

## package com.example.employeemonthlysalary;

## import android.content.ContentValues;

## import android.content.Context;

## import android.database.Cursor;

## import android.database.sqlite.SQLiteDatabase;

## import android.database.sqlite.SQLiteOpenHelper;

## public class DBHelper extends SQLiteOpenHelper {

## public static final String DATABASE\_NAME = "EmployeeDB";

## public static final int DATABASE\_VERSION = 1;

## public static final String TABLE\_EMPLOYEE = "employee";

## public static final String COLUMN\_EMPLOYEE\_ID = "employee\_id";

## public static final String COLUMN\_EMPLOYEE\_NAME = "employee\_name";

## public static final String COLUMN\_EMPLOYEE\_SALARY = "employee\_salary";

## public static final String COLUMN\_EMPLOYEE\_TAX = "employee\_tax";

## public static final String COLUMN\_EMPLOYEE\_NETSAL = "employee\_netsal";

## public static final String TABLE\_USER = "user";

## public static final String COLUMN\_USER\_ID = "user\_id";

## public static final String COLUMN\_USER\_USERNAME = "username";

## public static final String COLUMN\_USER\_PASSWORD = "password";

## public DBHelper(Context context) {

## super(context, DATABASE\_NAME, null, DATABASE\_VERSION);

## }

## @Override

## public void onCreate(SQLiteDatabase db) {

## String createEmployeeTableQuery = "CREATE TABLE " + TABLE\_EMPLOYEE + "("

## + COLUMN\_EMPLOYEE\_ID + " INTEGER PRIMARY KEY AUTOINCREMENT,"

## + COLUMN\_EMPLOYEE\_NAME + " TEXT,"

## + COLUMN\_EMPLOYEE\_SALARY + " REAL,"

## + COLUMN\_EMPLOYEE\_TAX + " REAL,"

## + COLUMN\_EMPLOYEE\_NETSAL + " REAL" + ")";

## db.execSQL(createEmployeeTableQuery);

## String createUserTableQuery = "CREATE TABLE " + TABLE\_USER + "("

## + COLUMN\_USER\_ID + " INTEGER PRIMARY KEY AUTOINCREMENT,"

## + COLUMN\_USER\_USERNAME + " TEXT,"

## + COLUMN\_USER\_PASSWORD + " TEXT" + ")";

## db.execSQL(createUserTableQuery);

## }

## @Override

## public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {

## db.execSQL("DROP TABLE IF EXISTS " + TABLE\_EMPLOYEE);

## db.execSQL("DROP TABLE IF EXISTS " + TABLE\_USER);

## onCreate(db);

## }

## public long insertEmployee(String name, double salary, double tax, double netSalary) {

## SQLiteDatabase db = this.getWritableDatabase();

## ContentValues values = new ContentValues();

## values.put(COLUMN\_EMPLOYEE\_NAME, name);

## values.put(COLUMN\_EMPLOYEE\_SALARY, salary);

## values.put(COLUMN\_EMPLOYEE\_TAX, tax);

## values.put(COLUMN\_EMPLOYEE\_NETSAL, netSalary);

## long id = db.insert(TABLE\_EMPLOYEE, null, values);

## db.close();

## return id;

## }

## public Cursor getAllEmployees() {

## String query = "SELECT \* FROM " + TABLE\_EMPLOYEE;

## SQLiteDatabase db = this.getReadableDatabase();

## return db.rawQuery(query, null);

## }

## public void deleteAllEmployees() {

## SQLiteDatabase db = this.getWritableDatabase();

## db.delete(TABLE\_EMPLOYEE, null, null);

## db.close();

## }

## public long insertUser(String username, String password) {

## SQLiteDatabase db = this.getWritableDatabase();

## ContentValues values = new ContentValues();

## values.put(COLUMN\_USER\_USERNAME, username);

## values.put(COLUMN\_USER\_PASSWORD, password);

## long id = db.insert(TABLE\_USER, null, values);

## db.close();

## return id;

## }

## public boolean checkUserExists(String username) {

## SQLiteDatabase db = this.getReadableDatabase();

## String query = "SELECT \* FROM " + TABLE\_USER + " WHERE " + COLUMN\_USER\_USERNAME + " = ?";

## Cursor cursor = db.rawQuery(query, new String[]{username});

## boolean exists = cursor.getCount() > 0;

## cursor.close();

## db.close();

## return exists;

## }

## public boolean checkUserCredentials(String username, String password) {

## SQLiteDatabase db = this.getReadableDatabase();

## String query = "SELECT \* FROM " + TABLE\_USER + " WHERE " + COLUMN\_USER\_USERNAME + " = ? AND " + COLUMN\_USER\_PASSWORD + " = ?";

## Cursor cursor = db.rawQuery(query, new String[]{username, password});

## boolean credentialsMatch = cursor.getCount() > 0;

## cursor.close();

## db.close();

## return credentialsMatch;

## }

## }

## SignupActivity.java

## package com.example.employeemonthlysalary;

## import android.support.v7.app.AppCompatActivity;

## import android.os.Bundle;

## import android.view.View;

## import android.widget.Button;

## import android.widget.EditText;

## import android.widget.Toast;

## public class SignupActivity extends AppCompatActivity {

## EditText etUsername, etPassword, etConfirmPassword;

## Button btnSignup;

## DBHelper dbHelper; // Declare the DBHelper object

## @Override

## protected void onCreate(Bundle savedInstanceState) {

## super.onCreate(savedInstanceState);

## setContentView(R.layout.activity\_signup);

## dbHelper = new DBHelper(this); // Instantiate the DBHelper object

## etUsername = findViewById(R.id.et\_username);

## etPassword = findViewById(R.id.et\_password);

## etConfirmPassword = findViewById(R.id.et\_confirm\_Password);

## btnSignup = findViewById(R.id.btnsignup);

## btnSignup.setOnClickListener(new View.OnClickListener() {

## @Override

## public void onClick(View v) {

## String username = etUsername.getText().toString();

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

## String confirmPassword = etConfirmPassword.getText().toString();

## // Check if the username already exists

## if (dbHelper.checkUserExists(username)) {

## Toast.makeText(SignupActivity.this, "Username already exists", Toast.LENGTH\_SHORT).show();

## } else if (!password.equals(confirmPassword)) {

## Toast.makeText(SignupActivity.this, "Passwords do not match", Toast.LENGTH\_SHORT).show();

## } else {

## // Insert the user into the database

## dbHelper.insertUser(username, password);

## Toast.makeText(SignupActivity.this, "User registered successfully", Toast.LENGTH\_SHORT).show();

## finish();

## }

## }

## });

## }

## }

## ViewActivity.java

package com.example.employeemonthlysalary;

import android.database.Cursor;

import android.os.Bundle;

import android.support.v7.app.AppCompatActivity;

import android.view.View;

import android.widget.Button;

import android.widget.TextView;

public class ViewActivity extends AppCompatActivity {

private TextView textView;

private Button clearButton;

private DBHelper dbHelper;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_view);

textView = findViewById(R.id.text\_view);

clearButton = findViewById(R.id.clear\_button);

dbHelper = new DBHelper(this);

clearButton.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

clearEmployeeDetails();

}

});

displayEmployeeDetails();

}

private void displayEmployeeDetails() {

Cursor cursor = dbHelper.getAllEmployees();

if (cursor != null && cursor.moveToFirst()) {

StringBuilder sb = new StringBuilder();

int employeeNameIndex = cursor.getColumnIndex(DBHelper.COLUMN\_EMPLOYEE\_NAME);

int salaryIndex = cursor.getColumnIndex(DBHelper.COLUMN\_EMPLOYEE\_SALARY);

int taxIndex = cursor.getColumnIndex(DBHelper.COLUMN\_EMPLOYEE\_TAX);

int netSalaryIndex = cursor.getColumnIndex(DBHelper.COLUMN\_EMPLOYEE\_NETSAL);

do {

String employeeName = cursor.getString(employeeNameIndex);

double salary = cursor.getDouble(salaryIndex);

double tax = cursor.getDouble(taxIndex);

double netSalary = cursor.getDouble(netSalaryIndex);

sb.append("Employee Name: ").append(employeeName).append("\n")

.append("Salary: ").append(salary).append("\n")

.append("Tax: ").append(tax).append("\n")

.append("Net Salary: ").append(netSalary).append("\n\n");

} while (cursor.moveToNext());

textView.setText(sb.toString());

} else {

textView.setText("No employee data found.");

}

if (cursor != null) {

cursor.close();

}

}

private void clearEmployeeDetails() {

dbHelper.deleteAllEmployees();

textView.setText("Employee details cleared.");

}

}

**CHAPTER 4**

**Screen Shots**

