

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belagavi – 590 018, Karnataka



MINI PROJECT REPORT

ON

“Employee Database”

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

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

Submitted by:

RAGHAVENDRA P : 1JT19CS066

under the guidance of

NAGARAJ. A

Associate Professor

Department of Computer Science and Engineering



Department of Computer Science and Engineering

Jyothy Institute of Technology

Tataguni, Off. Kanakapura Road,

Bengaluru – 560 082

2021 – 2022

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 Database**' carried out by **Mr/Ms RAGHAVENDRA P, USN: 1JT19CS066**, a Bonafede 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 2021- 2022.

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

.....

Prof. Nagaraj. A
Associate Professor of CSE
JIT, Bengaluru

Signature of HOD

.....

Dr. Prabhanjan. S.
Prof & Head of Dept - CSE Dept
JIT, Bengaluru

External Viva

Name of the Examiners

1)

2)

Signature with Date

DECLARATION

I, RAGHAVENDRA P, 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 2021-2022.

Date : 15-07-2022

Place : Bangalore

USN : 1JT19CS066

Name : RAGHAVENDRA P

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, 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.

RAGHAVENDRA P [1JT19CS066]

Table of Contents

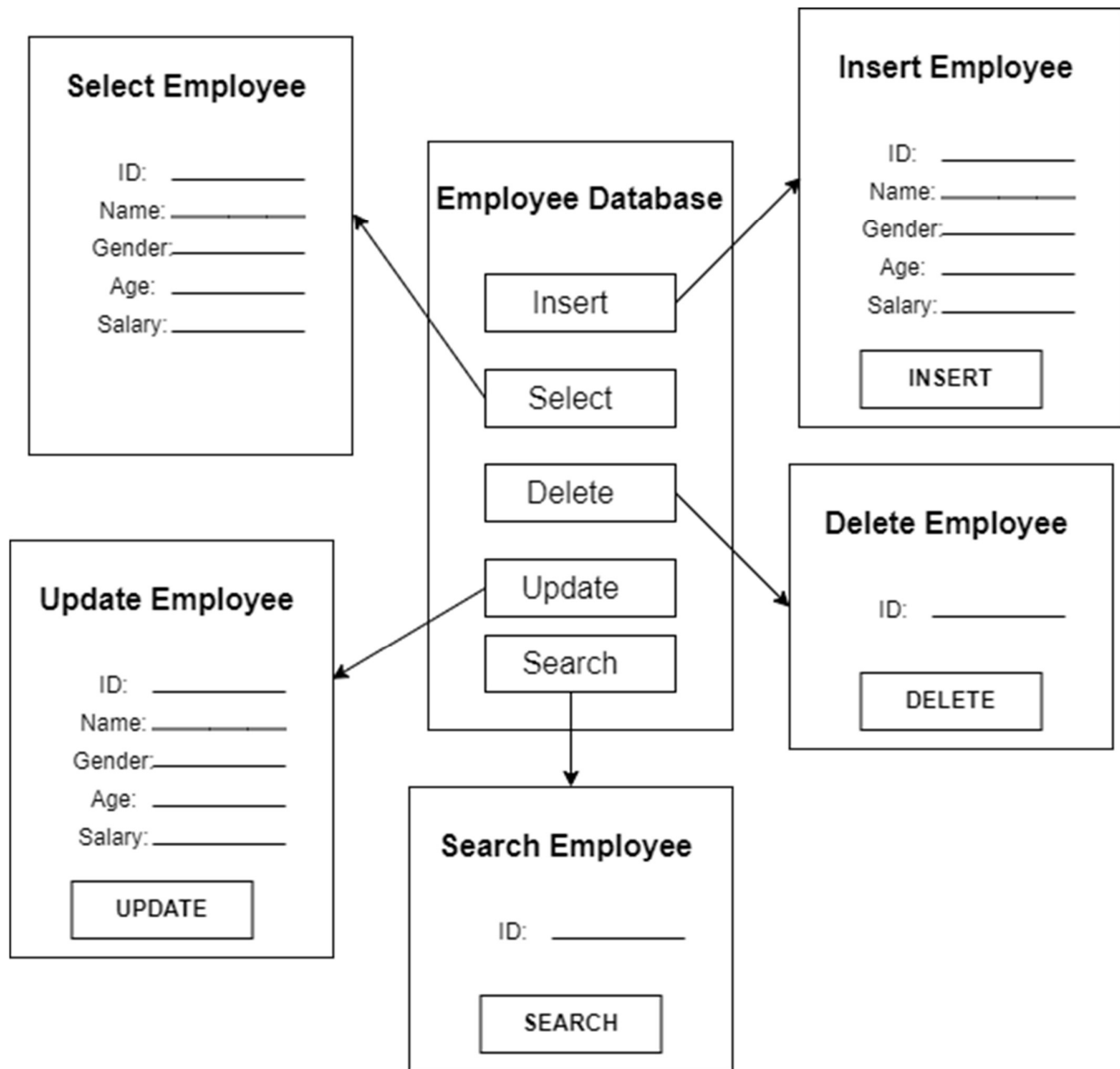
Sr No	Description	Page No
01	Problem statement with input and output diagram	7
02	XML files code	9
03	Java files code	19
04	Screen shots	29

CHAPTER 1

**Problem statement
with
input and output diagram**

Problem Statement:

Develop an android application – Employee database application that helps the user to manage Employees by adding Employees, deleting Employees by ID, searching Employees by ID, update and display all Employees in form of a list.

Input and Output Diagram:

CHAPTER 2

XML files Code

activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="44dp"
        android:text="Employee Database"
        android:textSize="40dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="24dp"
        android:text="CRUD Operations"
        android:textSize="30dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView" />

    <Button
        android:id="@+id/btn_insert"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="72dp"
        android:text="INSERT"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView2" />

    <Button
        android:id="@+id/btn_update"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="56dp"
        android:text="Update"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/btn_insert" />
```

```
<Button
    android:id="@+id/btn_delete"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="52dp"
    android:text="DELETE"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.507"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/btn_update" />

<Button
    android:id="@+id/btn_select"
    android:layout_width="96dp"
    android:layout_height="52dp"
    android:layout_marginTop="44dp"
    android:layout_marginEnd="144dp"
    android:text="Select All"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/btn_delete" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

activity_list.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:gravity="center_horizontal"
    tools:context=".ListActivity">

    <ListView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:id="@+id/users_list"/>

</LinearLayout>
```

activity_delete.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    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"
```

```
tools:context=".DeleteActivity">

<TextView
    android:id="@+id/textView8"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="240dp"
    android:text="Employee ID:"
    android:textSize="20dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.145"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<EditText
    android:id="@+id/editText_id"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="224dp"
    android:layout_marginEnd="16dp"
    android:ems="10"
    android:hint="Enter ID"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<Button
    android:id="@+id/button_delete"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="280dp"
    android:text="DELETE"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.495"
    app:layout_constraintStart_toStartOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

search_activity.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    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">

    <EditText
        android:id="@+id/findText"
        android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
android:layout_marginTop="384dp"
android:layout_marginEnd="100dp"
android:ems="10"
android:inputType="textPersonName"
android:minHeight="48dp"
android:text="Name"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

<Button

```
android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="472dp"
android:layout_marginEnd="152dp"
android:text="GET DATA"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

<androidx.cardview.widget.CardView

```
android:layout_width="386dp"
android:layout_height="325dp"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent">
<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=".SearchActivity">
```

<androidx.recyclerview.widget.RecyclerView

```
android:id="@+id/idRVItems"
android:layout_width="385dp"
android:layout_height="match_parent" />
```

</RelativeLayout>

</androidx.cardview.widget.CardView>

</androidx.constraintlayout.widget.ConstraintLayout>

inserty_activity.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    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"
    tools:context=".InsertActivity">
```

```
<TextView
    android:id="@+id/textView7"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="60dp"
    android:text="Salary"
    android:textSize="20dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.07"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView6" />
```

```
<EditText
    android:id="@+id/editText_salary"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="364dp"
    android:ems="10"
    android:hint="Enter Salary"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.583"
    app:layout_constraintStart_toEndOf="@+id/textView4"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<TextView
    android:id="@+id/textView6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="56dp"
    android:text="Age"
    android:textSize="20dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.122"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView5" />
```

```
<EditText
    android:id="@+id/editText_age"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="284dp"
    android:ems="10"
    android:hint="Enter Age"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.777"
    app:layout_constraintStart_toEndOf="@+id/textView4"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<EditText
    android:id="@+id/editText_gender"
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="204dp"
    android:ems="10"
    android:hint="Enter Gender"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.583"
    app:layout_constraintStart_toEndOf="@+id/textView4"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<TextView
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="60dp"
    android:text="Gender"
    android:textSize="20dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.106"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView4" />
```

```
<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="124dp"
    android:text="Employee Name"
    android:textSize="20dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.06"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<EditText
    android:id="@+id/editText_name"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="116dp"
    android:ems="10"
    android:hint="Enter Name"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.555"
    app:layout_constraintStart_toEndOf="@+id/textView4"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<Button
    android:id="@+id/button_update"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="212dp"
```

```
    android:text="INSERT"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.442"
    app:layout_constraintStart_toStartOf="parent" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

update activity.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"
    tools:context=".UpdateActivity">

    <TextView
        android:id="@+id/textView8"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="120dp"
        android:text="ID"
        android:textSize="20dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.045"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView6" />

    <EditText
        android:id="@+id/editText_id"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="424dp"
        android:ems="10"
        android:hint="Enter ID"
        android:inputType="textPersonName"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.615"
        app:layout_constraintStart_toEndOf="@+id/textView4"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/textView7"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="60dp"
        android:text="Salary"
        android:textSize="20dp"
```

```
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.045"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/textView6" />
```

```
<EditText
    android:id="@+id/editText_salary"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="364dp"
    android:ems="10"
    android:hint="Enter Salary"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.583"
    app:layout_constraintStart_toEndOf="@+id/textView4"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<TextView
    android:id="@+id/textView6"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="48dp"
    android:text="Age"
    android:textSize="20dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.087"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView5" />
```

```
<EditText
    android:id="@+id/editText_age"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="284dp"
    android:ems="10"
    android:hint="Enter Age"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.777"
    app:layout_constraintStart_toEndOf="@+id/textView4"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<EditText
    android:id="@+id/editText_gender"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="204dp"
    android:ems="10"
    android:hint="Enter Gender"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.583"
```



```
app:layout_constraintStart_toEndOf="@+id/textView4"
app:layout_constraintTop_toTopOf="parent" />
```

```
<TextView
    android:id="@+id/textView5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="60dp"
    android:text="Gender"
    android:textSize="20dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.072"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView4" />
```

```
<TextView
    android:id="@+id/textView4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="132dp"
    android:text="Employee Name"
    android:textSize="20dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.06"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<EditText
    android:id="@+id/editText_name"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="116dp"
    android:ems="10"
    android:hint="Enter Name"
    android:inputType="textPersonName"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.555"
    app:layout_constraintStart_toEndOf="@+id/textView4"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<Button
    android:id="@+id/button_update"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="144dp"
    android:text="UPDATE"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.459"
    app:layout_constraintStart_toStartOf="parent" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

CHAPTER 3

Java files Code

MainActivity.java:

```
package com.example.madminiprj;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;

public class MainActivity extends AppCompatActivity {

    DatabaseHelper myDb;
    Button btn_insert;
    Button btn_update;
    Button btn_delete;
    Button btn_select;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        myDb = new DatabaseHelper(this);

        btn_insert = (Button) findViewById(R.id.btn_insert);
        btn_insert.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                openInsertActivity();
            }
        });

        btn_update = (Button) findViewById(R.id.btn_update);
        btn_update.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                openUpdateActivity();
            }
        });

        btn_delete = (Button) findViewById(R.id.btn_delete);
        btn_delete.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                openDeleteActivity();
            }
        })
    }
}
```

```
        });

        btn_select = (Button) findViewById(R.id.btn_select);
        btn_select.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                openSelectActivity();
            }
        });
    }

    public void openInsertActivity() {
        Intent intent = new Intent(this, InsertActivity.class);
        startActivity(intent);
    }

    public void openUpdateActivity() {
        Intent intent = new Intent(this, UpdateActivity.class);
        startActivity(intent);
    }

    public void openDeleteActivity() {
        Intent intent = new Intent(this, DeleteActivity.class);
        startActivity(intent);
    }

    public void openSelectActivity() {
        Intent intent = new Intent(this, ListActivity.class);
        startActivity(intent);
    }
}
```

DatabaseHelper.java:

```
package com.example.madminiprj;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;

public class MainActivity extends AppCompatActivity {

    DatabaseHelper myDb;
    Button btn_insert;
    Button btn_update;
    Button btn_delete;
    Button btn_select;
```

```
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

    myDb = new DatabaseHelper(this);

    btn_insert = (Button) findViewById(R.id.btn_insert);
    btn_insert.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            openInsertActivity();
        }
    });

    btn_update = (Button) findViewById(R.id.btn_update);
    btn_update.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            openUpdateActivity();
        }
    });

    btn_delete = (Button) findViewById(R.id.btn_delete);
    btn_delete.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            openDeleteActivity();
        }
    });

    btn_select = (Button) findViewById(R.id.btn_select);
    btn_select.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            openSelectActivity();
        }
    });
}

public void openInsertActivity() {
    Intent intent = new Intent(this, InsertActivity.class);
    startActivity(intent);
}

public void openUpdateActivity() {
    Intent intent = new Intent(this, UpdateActivity.class);
    startActivity(intent);
}

public void openDeleteActivity() {
```

```
        Intent intent = new Intent(this, DeleteActivity.class);
        startActivity(intent);
    }

    public void openSelectActivity() {
        Intent intent = new Intent(this, ListActivity.class);
        startActivity(intent);
    }
}
```

InsertActivity.java:

```
package com.example.madminiprj;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.database.Cursor;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class InsertActivity extends AppCompatActivity {

    DatabaseHelper myDb;

    EditText editName, editGender, editAge, editSalary;
    Button btnAddData;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_insert);

        myDb = new DatabaseHelper(this);

        editName = (EditText) findViewById(R.id.editText_name);
        editGender = (EditText) findViewById(R.id.editText_gender);
        editAge = (EditText) findViewById(R.id.editText_age);
        editSalary = (EditText) findViewById(R.id.editText_salary);
        btnAddData = (Button) findViewById(R.id.button_update);
        AddData();
    }

    public void AddData() {
        btnAddData.setOnClickListener(new View.OnClickListener() {
```

```
@Override
public void onClick(View v) {
    boolean isInserted = myDb.insertData(editName.getText().toString(),
        editGender.getText().toString(),
        editAge.getText().toString(),
        editSalary.getText().toString() );

    if(isInserted == true)
        Toast.makeText(InsertActivity.this, "Data Inserted", Toast.LENGTH_LONG).show();
    else
        Toast.makeText(InsertActivity.this, "Data is NOT Inserted",
        Toast.LENGTH_LONG).show();

}
});
}
```

UpdateActivity.java:

```
package com.example.madminiprj;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.database.Cursor;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class UpdateActivity extends AppCompatActivity {

    DatabaseHelper myDb;

    Button btnUpdate;
    EditText editId;
    EditText editName, editGender, editAge, editSalary;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_update);
        myDb = new DatabaseHelper(this);

        editName = (EditText) findViewById(R.id.editText_name);
        editGender = (EditText) findViewById(R.id.editText_gender);
        editAge = (EditText) findViewById(R.id.editText_age);
    }
}
```

```
editSalary = (EditText) findViewById(R.id.editText_salary);
editId = (EditText) findViewById(R.id.editText_id);
btnUpdate = (Button) findViewById(R.id.button_update);
UpdateData();

}

public void UpdateData() {
    btnUpdate.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            boolean isUpdate = myDb.updateData(editId.getText().toString(),
editName.getText().toString(),editGender.getText().toString()
            ,editAge.getText().toString(),editSalary.getText().toString()); //this will get text,convert
to string and pass it to this fn.
            if(isUpdate == true)
                Toast.makeText(UpdateActivity.this,"Data Updated Succesfully",
Toast.LENGTH_LONG).show();
            else
                Toast.makeText(UpdateActivity.this,"Data is NOT Updated",
Toast.LENGTH_LONG).show();
        }
    });
}

}
```

ListActivity.java:

```
package com.example.madminipri;

import androidx.appcompat.app.AppCompatActivity;

import android.database.Cursor;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.Toast;

import java.util.ArrayList;

public class ListActivity extends AppCompatActivity {

    DatabaseHelper myDb;

    ListView userList;
```



```
ArrayList<String> listItem;  
ArrayAdapter adapter;  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_list);  
  
    myDb = new DatabaseHelper(this);  
  
    listItem = new ArrayList<>();  
    userList = findViewById(R.id.users_list);  
    viewData();  
  
    userList.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
        @Override  
        public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {  
  
            String text = userList.getItemAtPosition(i).toString();  
            Toast.makeText(ListActivity.this, ""+text, Toast.LENGTH_SHORT).show();  
  
        }  
    });  
  
}  
  
private void viewData() {  
    Cursor cursor = myDb.viewData();  
  
    if (cursor.getCount() == 0) {  
        Toast.makeText(this, "No Data to show", Toast.LENGTH_SHORT).show();  
    }  
    else {  
        while (cursor.moveToNext()) {  
            listItem.add("ID:" + cursor.getString(0) );  
            listItem.add("Name:" + cursor.getString(1) );  
            listItem.add("Gender:" + cursor.getString(2) );  
            listItem.add("Age:" + cursor.getString(3) );  
            listItem.add("Salary:" + cursor.getString(4) + "\n\n\n");  
        }  
  
        adapter = new ArrayAdapter<>(this, android.R.layout.simple_list_item_1, listItem);  
        userList.setAdapter(adapter);  
    }  
}  
}
```

DeleteActivity.java:

package com.example.madminipri;

import androidx.appcompat.app.AlertDialog;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.database.Cursor;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class DeleteActivity extends AppCompatActivity {

 DatabaseHelper myDb;

 Button btnDelete;

 EditText editId;

 @Override

 protected void onCreate(Bundle savedInstanceState) {

 super.onCreate(savedInstanceState);

 setContentView(R.layout.activity_delete);

 myDb = new DatabaseHelper(this);

 editId = (EditText) findViewById(R.id.editText_id);

 btnDelete = (Button) findViewById(R.id.button_delete);

 DeleteData();

 }

 public void DeleteData() {

 btnDelete.setOnClickListener(new View.OnClickListener() {

 @Override

 public void onClick(View v) {

 Integer deletedRows = myDb.deleteData(editId.getText().toString());

 if(deletedRows > 0)

 Toast.makeText(DeleteActivity.this, "Data Deleted Succesfully",

 Toast.LENGTH_LONG).show();

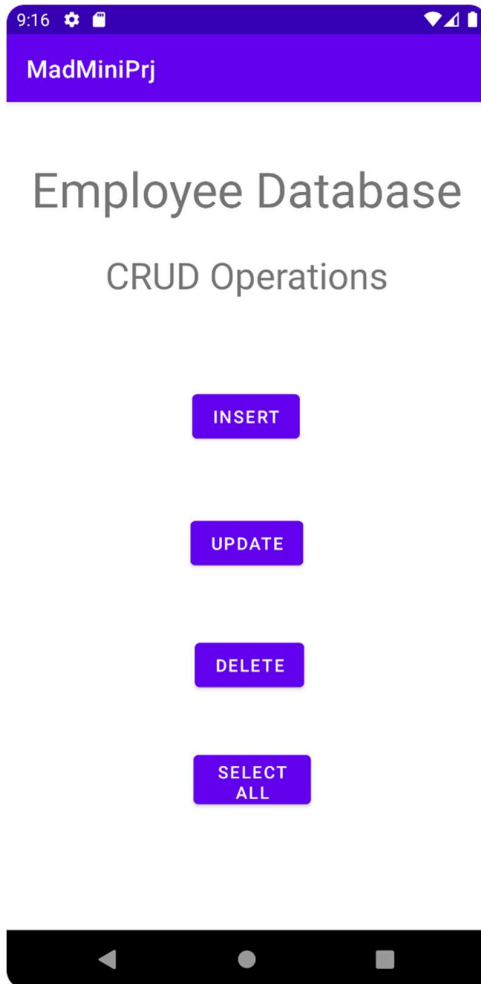
 else

```
Toast.makeText(DeleteActivity.this,"Data is NOT Deleted",  
Toast.LENGTH_LONG).show();  
}  
});  
  
}  
  
}
```

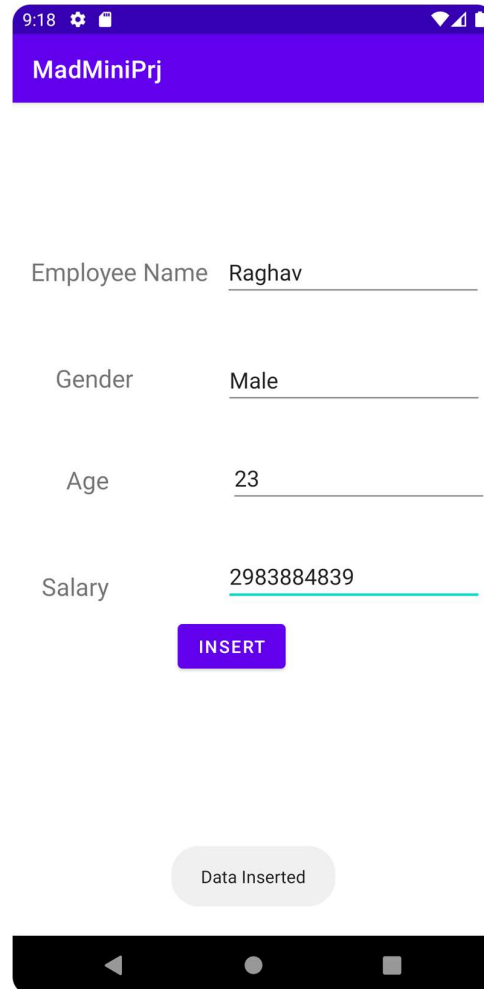
CHAPTER 4

Screen Shots



Screenshots:



Home page



Successful Insertion

9:20  

MadMiniPrj


Employee Name

Gender



Age

Salary

ID



Update page

9:21  

MadMiniPrj


Employee Name

Gender

Age

Salary

ID



Successfully updated



Employee ID:

DELETE



Delete Page






Employee ID:

DELETE

Data Deleted Successfully



Successful Deletion

9:24   

MadMiniPrj

ID:35

Name:Prasad

Gender:M

Age:45

Salary:43235656

ID:36

Name:saharsh

Gender:F




Age:21

Salary:87878878




ID:37

Name:Prasad

Gender:male

ListView of all the Employees

9:26   

MadMiniPrj




Employee Name

Gender

Age

Salary

INSERT

Insert Page