

1. ****EmployeeDetailScreen1Activity.java****:

```
``java

import android.os.Bundle;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class EmployeeDetailScreen1Activity extends AppCompatActivity {

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_employee_detail_screen1);

        // Retrieve employee details from intent or database and display them
        Employee employee = getIntent().getParcelableExtra("employee");

        TextView firstNameTextView = findViewById(R.id.firstNameTextView);
        TextView lastNameTextView = findViewById(R.id.lastNameTextView);
        TextView ageTextView = findViewById(R.id.ageTextView);
        TextView addressTextView = findViewById(R.id.addressTextView);
        TextView emailTextView = findViewById(R.id.emailTextView);
        TextView mobileTextView = findViewById(R.id.mobileTextView);

        if (employee != null) {

            firstNameTextView.setText(employee.getFirstName());
            lastNameTextView.setText(employee.getLastName());
            ageTextView.setText(String.valueOf(employee.getAge()));
            addressTextView.setText(employee.getAddress());
            emailTextView.setText(employee.getEmail());
```

```

        mobileTextView.setText(employee.getMobile());
    }
}
}
...

```

2. ****EmployeeDetailScreen2Activity.java****:

```

``java
import android.os.Bundle;
import android.widget.TextView;
import androidx.appcompat.app.AppCompatActivity;

public class EmployeeDetailScreen2Activity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_employee_detail_screen2);

        // Retrieve employee details from intent or database and display them
        Employee employee = getIntent().getParcelableExtra("employee");

        TextView experienceTextView = findViewById(R.id.experienceTextView);
        TextView salaryTextView = findViewById(R.id.salaryTextView);
        TextView lastCompanyNameTextView = findViewById(R.id.lastCompanyNameTextView);
        TextView lastCompanyReferenceTextView =
            findViewById(R.id.lastCompanyReferenceTextView);

        if (employee != null) {
            experienceTextView.setText(employee.getExperience());

```

```

        salaryTextView.setText(String.valueOf(employee.getSalary()));

        lastCompanyNameTextView.setText(employee.getLastCompanyName());

        lastCompanyReferenceTextView.setText(employee.getLastCompanyReferenceName());
    }
}
}
...

```

. **EmployeeListAdapter.java**:

```

```java
import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.BaseAdapter;
import android.widget.TextView;
import java.util.List;

public class EmployeeListAdapter extends BaseAdapter {
 private Context context;
 private List<Employee> employeeList;

 public EmployeeListAdapter(Context context, List<Employee> employeeList) {
 this.context = context;
 this.employeeList = employeeList;
 }

 @Override
 public int getCount() {
 return employeeList.size();
 }
}

```

```
}
```

```
@Override
```

```
public Object getItem(int position) {
 return employeeList.get(position);
}
```

```
@Override
```

```
public long getItemId(int position) {
 return position;
}
```

```
@Override
```

```
public View getView(int position, View convertView, ViewGroup parent) {
 if (convertView == null) {
 convertView = LayoutInflater.from(context).inflate(R.layout.employee_list_item, parent,
false);
 }

```

```
Employee employee = employeeList.get(position);
```

```
TextView nameTextView = convertView.findViewById(R.id.nameTextView);
```

```
TextView detailTextView = convertView.findViewById(R.id.detailTextView);
```

```
nameTextView.setText(employee.getFirstName() + " " + employee.getLastName());
```

```
detailTextView.setText("Experience: " + employee.getExperience() + ", Salary: " +
employee.getSalary());
```

```
return convertView;
```

```
}
```

```
}
```

```
...
```

#### 4. **\*\*EmployeeListActivity.java\*\***:

```
``java
import android.os.Bundle;
import android.widget.ListView;
import androidx.appcompat.app.AppCompatActivity;
import java.util.ArrayList;
import java.util.List;

public class EmployeeListActivity extends AppCompatActivity {

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

 ListView employeeListView = findViewById(R.id.employeeListView);

 List<Employee> employeeList = generateEmployeeData();method

 EmployeeListAdapter adapter = new EmployeeListAdapter(this, employeeList);
 employeeListView.setAdapter(adapter);
 }

 private List<Employee> generateEmployeeData() {
 List<Employee> employeeList = new ArrayList<>();
 // Add sample employee data here
 return employeeList;
 }
}
```

...

## 5. **\*\*Employee.java\*\***:

```
```java
```

```
import android.os.Parcel;
```

```
import android.os.Parcelable;
```

```
public class Employee implements Parcelable {
```

```
    private String firstName;
```

```
    private String lastName;
```

```
    private int age;
```

```
    private String address;
```

```
    private String email;
```

```
    private String mobile;
```

```
    private String experience;
```

```
    private double salary;
```

```
    private String lastCompanyName;
```

```
    private String lastCompanyReferenceName;
```

```
    // Constructor, getters, and setters
```

```
    // Implement Parcelable interface
```

```
}
```

...

=== 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"
xmlns:custom="http://schemas.android.com/apk/res-auto"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity">
```

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/welcome_to_the_employee_database"
    android:textSize="30sp"
    android:gravity="center"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    tools:ignore="MissingConstraints" />
```

```
<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:orientation="horizontal"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintBottom_toBottomOf="parent">
```

```
<Button
    android:id="@+id/main_add_employee"
    android:text="@string/add_employee"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"/>
```

```
<Button
    android:id="@+id/main_display_employee"
```

```
        android:layout_marginStart="10sp"
        android:text="@string/display_employee"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>
    </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
```

```
<?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=".Screen_1">
```

```
<TextView
    android:id="@+id/sc1_welcome"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/enter_employee_detail"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    android:textSize="30sp"
    android:layout_marginTop="20sp"
/>
```

```
<EditText
    android:gravity="center"
    android:id="@+id/sc1_first_name"
```



```
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:hint="@string/enter_first_name"
app:layout_constraintTop_toBottomOf="@id/sc1_welcome"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
android:inputType="text"
android:layout_marginTop="20sp"
android:autofillHints="name"
/>
```

<EditText

```
android:gravity="center"
android:id="@+id/sc1_last_name"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:hint="@string/enter_last_name"
app:layout_constraintTop_toBottomOf="@id/sc1_first_name"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
android:autofillHints="name"
android:inputType="text" />
```

<EditText

```
android:gravity="center"
android:id="@+id/sc1_age"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:hint="@string/enter_age"
```

```
app:layout_constraintTop_toBottomOf="@id/sc1_last_name"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
android:inputType="numberDecimal"
android:autofillHints="phone"
/>
```

```
<EditText
    android:gravity="center"
    android:id="@+id/sc1_address"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:hint="@string/enter_address"
    app:layout_constraintTop_toBottomOf="@id/sc1_age"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintLeft_toLeftOf="parent"
    android:autofillHints="postalAddress"
    android:inputType="textPostalAddress"
/>
```

```
<EditText
    android:gravity="center"
    android:id="@+id/sc1_email"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:hint="@string/enter_e_mail_id"
    app:layout_constraintTop_toBottomOf="@id/sc1_address"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintLeft_toLeftOf="parent"
```

```
android:inputType="textEmailAddress"
android:autofillHints="emailAddress"
/>
```

```
<EditText
    android:gravity="center"
    android:id="@+id/sc1_mobile"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintTop_toBottomOf="@id/sc1_email"
    android:hint="@string/enter_mobile_no"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintLeft_toLeftOf="parent"
    android:autofillHints="phone"
    android:inputType="phone"
/>
```

```
<Button
    android:id="@+id/sc1_next"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/next"
    app:layout_constraintTop_toBottomOf="@id/sc1_mobile"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:layout_marginTop="20sp"
    android:textSize="20sp"
/>
```

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

```
=====
```

```
Screen_2.java
```

```
=====
```

```
package com.example.assignment_1;
```

```
import androidx.appcompat.app.AppCompatActivity;
```

```
import android.content.Intent;
```

```
import android.os.Bundle;
```

```
import android.view.View;
```

```
import android.widget.Button;
```

```
import android.widget.EditText;
```

```
import android.widget.Toast;
```

```
import java.util.ArrayList;
```

```
public class Screen_2 extends AppCompatActivity {
```

```
    EditText et_salary, et_experience, et_last_company, et_last_company_ref;
```

```
    Button bt_submit;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_screen2);
```

```
        et_salary = findViewById(R.id.sc2_salary);
```

```
        et_experience = findViewById(R.id.sc2_experience);
```

```
        et_last_company = findViewById(R.id.sc2_last_company_name);
```

```
        et_last_company_ref = findViewById(R.id.sc2_last_company_ref);
```

```
        bt_submit = findViewById(R.id.sc2_submit);
```

```
        bt_submit.setOnClickListener(new View.OnClickListener() {
```

```

@Override

public void onClick(View v) {

    if (et_salary.getText().toString().isEmpty()){

        et_salary.setError("Enter Salary");

    } else if (et_experience.getText().toString().isEmpty()) {

        et_experience.setError("Enter Experience");

    } else if (et_last_company.getText().toString().isEmpty()) {

        et_last_company.setError("Enter Last Company Name");

    } else if (et_last_company_ref.getText().toString().isEmpty()){

        et_last_company_ref.setError("Enter last company Reference");

    } else {

        ArrayList<Employee> employeeArrayList = (ArrayList<Employee>)
getIntent().getSerializableExtra("employee");

        if (employeeArrayList != null) {

            Employee employee = employeeArrayList.get(employeeArrayList.size() - 1);

            assert employee != null;

            employee.setSalary(et_salary.getText().toString());

            employee.setExperience(et_experience.getText().toString());

            employee.setLast_company(et_last_company.getText().toString());

            employee.setLast_company_ref(et_last_company_ref.getText().toString());

            Intent intent1 = new Intent(Screen_2.this, MainActivity.class);

            employeeArrayList.set(employeeArrayList.size()-1,employee);

            intent1.putExtra("employee",employeeArrayList);

            startActivity(intent1);

        }

    }

}

});

}

}

```

=== 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=".Screen_2">
```

```
<TextView
```

```
    android:id="@+id/sc2_welcome"
```

```
    android:layout_width="wrap_content"
```

```
    android:layout_height="wrap_content"
```

```
    android:text="@string/enter_employee_detail"
```

```
    app:layout_constraintTop_toTopOf="parent"
```

```
    app:layout_constraintLeft_toLeftOf="parent"
```

```
    app:layout_constraintRight_toRightOf="parent"
```

```
    android:textSize="30sp"
```

```
    android:layout_marginTop="20sp"
```

```
/>
```

```
<EditText
```

```
    android:gravity="center"
```

```
    android:id="@+id/sc2_salary"
```

```
    android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"
android:hint="@string/enter_salary"
app:layout_constraintTop_toBottomOf="@id/sc2_welcome"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
android:inputType="numberDecimal"
android:layout_marginTop="20sp"
android:autofillHints="phone"
/>
```

<EditText

```
android:gravity="center"
android:id="@+id/sc2_experience"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:hint="@string/enter_experience"
app:layout_constraintTop_toBottomOf="@id/sc2_salary"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
android:autofillHints="phone"
android:inputType="numberDecimal" />
```

<EditText

```
android:gravity="center"
android:id="@+id/sc2_last_company_name"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:hint="@string/enter_last_company_name"
app:layout_constraintTop_toBottomOf="@id/sc2_experience"
```

```
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
android:inputType="textCapWords"
android:autofillHints="name"
/>
```

```
<EditText
    android:gravity="center"
    android:id="@+id/sc2_last_company_ref"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:hint="@string/enter_last_company_reference"
    app:layout_constraintTop_toBottomOf="@id/sc2_last_company_name"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintLeft_toLeftOf="parent"
    android:autofillHints="name"
    android:inputType="text"
/>
```

```
<Button
    android:id="@+id/sc2_submit"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/submit"
    app:layout_constraintTop_toBottomOf="@id/sc2_last_company_ref"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:layout_marginTop="20sp"
    android:textSize="20sp"
```



```
/>
```

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