MOBILE APPLICATION DEVELOPMENT ASSESSMENT

01. CODING:

ANDROID:

```java
package com.example.ticketbookingsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
    EditText name,age,source,destination,ticket;
    TextView result;
    CheckBox need,noneed;
    RadioGroup rg;
    RadioButton rb;
    Button bt;


    @Override
    protected void onCreate(Bundle savedInstanceState) {
```
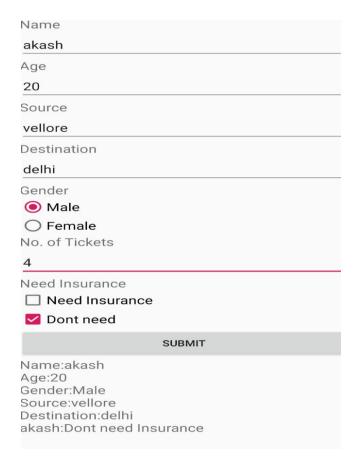
```java
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        name=(EditText)findViewById(R.id.name);
        age=(EditText)findViewById(R.id.age);
        source=(EditText)findViewById(R.id.source);
            destination=(EditText)findViewById(R.id.destination);
        ticket=(EditText)findViewById(R.id.ticket);
        rg=(RadioGroup)findViewById(R.id.radiogroup);
        result=(TextView)findViewById(R.id.tv1);

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


    }
    public void Display(View v){
        need=(CheckBox)findViewById(R.id.cb1);
        noneed=(CheckBox)findViewById(R.id.cb2);
        String n=name.getText().toString();
        int a=Integer.parseInt(age.getText().toString());
        String s=source.getText().toString();
        String d=destination.getText().toString();
        int selected=rg.getCheckedRadioButtonId();
        rb=(RadioButton)findViewById(selected);
        String r=rb.getText().toString();
        if(need.isChecked())
            result.setText(n+"\n"+a+"\n"+s+"\n"+d+"\n"+r+"\n"+"Needs Insurance");
        else
            result.setText(n+"\n"+a+"\n"+s+"\n"+d+"\n"+r+"\n"+"No Needs Insurance");
}
}
```
XML:

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

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">

        <TextView
            android:id="@+id/textView2"
            android:layout_width="match_parent"
```

```xml
        android:layout_height="wrap_content"
        android:text="Name"
        android:textSize="18sp" />

    <EditText
        android:id="@+id/name"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Age"
        android:textSize="18sp" />

    <EditText
        android:id="@+id/age"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Source"
        android:textSize="18sp" />

    <EditText
        android:id="@+id/source"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName" />

    <TextView
        android:id="@+id/textView5"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Destination"
        android:textSize="18sp" />

    <EditText
        android:id="@+id/destination"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
```

```xml
    android:ems="10"
    android:inputType="textPersonName" />

<TextView
    android:id="@+id/textView10"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Gender"
    android:textSize="18sp" />

<RadioGroup
    android:id="@+id/radiogroup"
    android:layout_width="match_parent"
    android:layout_height="62dp">

    <RadioButton
        android:id="@+id/radioButton3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Male"
        android:textSize="18sp" />

    <RadioButton
        android:id="@+id/radioButton4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Female"
        android:textSize="18sp" />
</RadioGroup>

<TextView
    android:id="@+id/textView7"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="No. of Tickets"
    android:textSize="18sp" />

<EditText
    android:id="@+id/ticket"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName" />

<TextView
    android:id="@+id/textView8"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Need Insurance"
    android:textSize="18sp" />
```

```xml
    <CheckBox
        android:id="@+id/cb1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Need Insurance "
        android:textSize="18sp" />

    <CheckBox
        android:id="@+id/cb2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Dont need"
        android:textSize="18sp" />

    <Button
        android:id="@+id/bt"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:onClick="Display"
        android:text="Submit"
        android:visibility="visible"
        tools:visibility="visible" />

    <TextView
        android:id="@+id/tv1"
        android:layout_width="match_parent"
        android:layout_height="163dp"
        android:textSize="18sp" />
    </LinearLayout>
</LinearLayout>
```

```
Name
akash
Age
20
Source
vellore
Destination
delhi
Gender
◉ Male
○ Female
No. of Tickets
4
Need Insurance
☐ Need Insurance
☑ Dont need
            SUBMIT
Name:akash
Age:20
Gender:Male
Source:vellore
Destination:delhi
akash:Dont need Insurance
```

02. ANDROID :

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

import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.RadioButton;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {


    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    public void display(View view){

        EditText acc_inp = findViewById(R.id.Acc_inp);
        EditText dt_inp = findViewById(R.id.Dt_inp);
```

```java
        EditText amm_inp = findViewById(R.id.Amm_inp);
        EditText cn_inp = findViewById(R.id.Cn_inp);
        EditText cp_inp = findViewById(R.id.Cp_inp);
        EditText cd_inp = findViewById(R.id.Cd_inp);
        EditText rem_inp = findViewById(R.id.Rem_inp);

        TextView acc_out = findViewById(R.id.Acc_out);
        TextView dt_out = findViewById(R.id.Dt_out);
        TextView amm_out = findViewById(R.id.Amm_out);
        TextView cn_out = findViewById(R.id.Cn_out);
        TextView cp_out = findViewById(R.id.Cp_out);
        TextView cd_out = findViewById(R.id.Cd_out);
        TextView rem_out = findViewById(R.id.Rem_out);

        acc_out.setText(acc_inp.getText().toString());
        dt_out.setText(dt_inp.getText().toString());
        amm_out.setText(amm_inp.getText().toString());
        cn_out.setText(cn_inp.getText().toString());
        cp_out.setText(cp_inp.getText().toString());
        cd_out.setText(cd_inp.getText().toString());
        rem_out.setText(rem_inp.getText().toString());

    }

    public void onRadioButtonClicked(View view) {
        TextView type = findViewById(R.id.type_out);

        boolean checked = ((RadioButton) view).isChecked();

            switch(view.getId()) {
          case R.id.Withdraw:
            if (checked)
               type.setText("Withdraw");
            break;
          case R.id.Deposit:
            if (checked)
               type.setText("Deposit");
            break;
        }
    }
}
```

XML PROGRAM:

```xml
<?xml version="1.0" encoding="utf-8"?>
<TableLayout xmlns:android="http://schemas.android.com/apk/res/android"
  android:layout_width="match_parent"
  android:layout_height="match_parent"
  android:stretchColumns="1">
  <TableRow>
    <TextView
      android:text="Account"
      android:padding="3dip" />

    <EditText
      android:id="@+id/Acc_inp"
      android:layout_gravity="center"
      android:padding="3dip"
      android:text="Account" />
  </TableRow>

  <TableRow>
    <TextView
      android:text="Type"
      android:padding="3dip" />
    <RadioGroup>

      <RadioButton
        android:id="@+id/Deposit"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:onClick="onRadioButtonClicked"
        android:text="Deposit" />

      <RadioButton
        android:id="@+id/Withdraw"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:onClick="onRadioButtonClicked"
        android:text="Withdraw" />
    </RadioGroup>
  </TableRow>

  <TableRow>
  <TextView
    android:hint="Date"
    android:padding="3dip" />

    <EditText
      android:id="@+id/Dt_inp"
      android:layout_gravity="center"
      android:padding="3dip" />
</TableRow>
```

```xml
<TableRow>
  <TextView
    android:hint="Amount"
    android:padding="3dip" />

  <EditText
    android:id="@+id/Amm_inp"
    android:layout_gravity="center"
    android:padding="3dip"
    android:text="" />
</TableRow>

<TableRow>

  <TextView
    android:hint="Cheque No."
    android:padding="3dip" />

  <EditText
    android:id="@+id/Cn_inp"
    android:layout_gravity="center"
    android:padding="3dip"
    android:text="" />
</TableRow>

<TableRow>

  <TextView
    android:hint="Cheque party"
    android:padding="3dip" />

  <EditText
    android:id="@+id/Cp_inp"
    android:layout_gravity="center"
    android:padding="3dip"
    android:text="" />
</TableRow>

<TableRow>

  <TextView
    android:hint="Cheque details"
    android:padding="3dip" />

  <EditText
    android:id="@+id/Cd_inp"
    android:layout_gravity="center"
    android:padding="3dip"
    android:text="" />
</TableRow>
```

```xml
<TableRow>

    <TextView
        android:hint="Remarks"
        android:padding="3dip" />

    <EditText
        android:id="@+id/Rem_inp"
        android:layout_gravity="center"
        android:padding="3dip"
        android:text="" />
</TableRow>

<Button
    android:onClick="display"
    android:text="Add Transaction" />

<TextView
    android:id="@+id/Acc_out"
    android:text="Account" />

<TextView
    android:id="@+id/type_out"
    android:text="Type" />

<TextView
    android:id="@+id/Dt_out"
    android:text="Date" />

<TextView
    android:id="@+id/Amm_out"
    android:text="amount" />

<TextView
    android:id="@+id/Cn_out"
    android:text="Cheque no" />

<TextView
    android:id="@+id/Cp_out"
    android:text="Cheque party" />

<TextView
    android:id="@+id/Cd_out"
    android:text="Cheque details" />

<TextView
    android:id="@+id/Rem_out"
    android:text="Remarks" />
```

</**TableLayout**>

OUTPUT:

Account	Akash. v
Type	◯ Deposit
	◉ Withdraw
Date	2/3/2019
Amount	25000
Cheque No.	457
Cheque party	Mr. sakthivel
Cheque details	State
Remarks	nil

ADD TRANSACTION

Akash. v
Withdraw
2/3/2019
25000
457
Mr. sakthivel
State
nil