

MOBILE APPLICATION DEVELOPMENT ASSESSMENT

01. CODING:

ANDROID:

```
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) {
```

```

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 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"

```

```
        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"
```

```
        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" />
```

```
<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 :

```
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);
```

```
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 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>

```



```

<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>

```

```
<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 | <input type="radio"/> Deposit <input checked="" type="radio"/> 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