Implementation of Menus - Android

second.java

```java
package com.example.myapps;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.view.ContextMenu;
import android.view.ContextMenu.ContextMenuInfo;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.ListView;
import android.widget.PopupMenu;
import android.widget.Toast;

public class second extends Activity {
        protected String[] serve = new String[3];

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.list);
        serve[0] = "Bonafide Service";
        serve[1] = "Bill Issues";
        serve[2] = "important Notifications";
        ListView lv = (ListView)findViewById(R.id.listView1);
        ArrayAdapter<String> av = new ArrayAdapter<String>(this, android.R.layout.simple_list_item_1, serve);
        lv.setAdapter(av);
        registerForContextMenu(lv);
        final Button button1 = (Button) findViewById(R.id.button1);
        button1.setOnClickListener(new OnClickListener() {

        @Override
        public void onClick(View v) {
         //Creating the instance of PopupMenu
         PopupMenu popup = new PopupMenu(second.this, button1);
         //Inflating the Popup using xml file
         popup.getMenuInflater().inflate(R.menu.pop, popup.getMenu());

         //registering popup with OnMenuItemClickListener
         popup.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {
          public boolean onMenuItemClick(MenuItem item) {
```

```java
                Toast.makeText(second.this,"You Clicked : " + item.getTitle(),Toast.LENGTH_SHORT).show();
                return true;
               }
             });

             popup.show();//showing popup menu
            }
          });//closing the setOnClickListener metho

   }

   public boolean onContextItemSelected(MenuItem item){
       if(item.getTitle()=="Apply Now"){
          Toast.makeText(getApplicationContext(),"Applying for bonafide",Toast.LENGTH_LONG).show();
       }
       else if(item.getTitle()=="More Details"){
          Toast.makeText(getApplicationContext(),"Getting more info for
bonofide",Toast.LENGTH_LONG).show();
       }else{
          return false;
       }
     return true;
 }

   public void onCreateContextMenu(ContextMenu menu, View v, ContextMenuInfo menuInfo)
   {
       super.onCreateContextMenu(menu, v, menuInfo);
       menu.setHeaderTitle("Available options");
       menu.add(0, v.getId(), 0, "Apply Now");//groupId, itemId, order, title
       menu.add(0, v.getId(), 0, "More Details");
   }
   @Override
   public boolean onCreateOptionsMenu(Menu menu) {
      // Inflate the menu; this adds items to the action bar if it is present.
      getMenuInflater().inflate(R.menu.logout, menu);
      return true;
   }
   public boolean onOptionsItemSelected(MenuItem item)
   {
    switch(item.getItemId())
    {
      case R.id.logout:
         Toast.makeText(getApplicationContext(), "Logout option button
clicked",Toast.LENGTH_LONG).show();
         Intent intent = new Intent(getApplicationContext(),MainActivity.class);
         startActivity(intent);
         return true;
```

```java
        } //end switch
            return false;
    }

}
```

about.java

```java
package com.example.myapps;

import android.app.Activity;
import android.os.Bundle;
import android.widget.TextView;

public class about extends Activity {
        protected void oncreate(Bundle savedinstance)
        {
                super.onCreate(savedinstance);
                setContentView(R.layout.about);
                TextView tv = (TextView)findViewById(R.id.about);
                tv.setText("Your user ID and password will be your TCENET username and
password.users could login with your existing passwords and Access the service.For more detials and
queries contact the office Staffs regarding the login issues.");



        }
}
```

MainActivity.java

```java
package com.example.myapps;

import android.app.Activity;
import android.app.AlertDialog;
import android.content.DialogInterface;
import android.content.Intent;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class MainActivity extends Activity {
```

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

    Button btn = (Button)findViewById(R.id.button);
    final EditText edit1 = (EditText)findViewById(R.id.editText1);
    final EditText edit2 = (EditText)findViewById(R.id.editText2);


    btn.setOnClickListener(new OnClickListener() {

        @Override
        public void onClick(View arg0) {
            // TODO Auto-generated method stub
            String username = edit1.getText().toString();
            String password = edit2.getText().toString();
            if(username.equals("shiva") && password.equals("papa"))
            {
            Intent intent = new Intent(getApplicationContext(),second.class);
            startActivity(intent);
            }
            else
            {
                    new AlertDialog.Builder(MainActivity.this)
                .setTitle("Password Error")
                .setMessage("Retry Entering correct password!")
                .setPositiveButton(android.R.string.yes, new
DialogInterface.OnClickListener() {
                    public void onClick(DialogInterface dialog, int which) {
                        // continue with delete
                    }
                })
                .setNegativeButton(android.R.string.no, new
DialogInterface.OnClickListener() {
                    public void onClick(DialogInterface dialog, int which) {
                        // do nothing
                    }
                })
                .setIcon(android.R.drawable.ic_dialog_alert)
                .show();
            }

        }
    });

}
```

```java
    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.main, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item)
    {
     switch(item.getItemId())
     {
        case R.id.login:
            Toast.makeText(getApplicationContext(), "Login option button
clicked",Toast.LENGTH_LONG).show();
            Intent intent = new Intent(getApplicationContext(),about.class);
            startActivity(intent);
            return true;
        case R.id.about:
            Toast.makeText(getApplicationContext(), "about option button clicked",
Toast.LENGTH_LONG).show();

            return true;


        default:
            Toast.makeText(getApplicationContext(), "paste clicked", Toast.LENGTH_LONG).show();
            return super.onOptionsItemSelected(item);

    } //end switch
}

}
```

activity_main.xml:

```xml
<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"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:background="#EED2ED"
    tools:context=".MainActivity" >
```

```xml
<TextView
    android:id="@+id/textView1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginLeft="30dp"
    android:layout_marginTop="55dp"
    android:textSize="18dp"
    android:singleLine="true"
    android:text="Username" />

<EditText
    android:id="@+id/editText1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView1"
    android:layout_below="@+id/textView1"
    android:layout_marginTop="16dp"
    android:ems="10"
    android:hint="Your Username here" >

    <requestFocus />
</EditText>

<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/editText2"
    android:layout_alignParentBottom="true"
    android:layout_alignRight="@+id/editText2"
    android:layout_marginBottom="81dp"
    android:text="Log In" />

<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_above="@+id/editText2"
    android:layout_alignLeft="@+id/editText1"
    android:layout_marginBottom="23dp"
    android:text="Password"
    android:textSize="18dp" />

<EditText
    android:id="@+id/editText2"
    android:layout_width="wrap_content"
```

```xml
            android:layout_height="wrap_content"
            android:layout_alignLeft="@+id/textView2"
            android:layout_centerVertical="true"
            android:ems="10"
            android:hint="Your Password here"
            android:inputType="textPassword" />

</RelativeLayout>
```

about.xml :

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_margin="10dp"
    android:orientation="vertical" >

    <TextView
        android:id="@+id/textView1"
        android:textColor="#000000"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Your user ID and password will be your TCENET username and password.users could
login with your existing passwords and Access the service.For more detials and queries contact the office
Staffs regarding the login issues."
        android:textAppearance="?android:attr/textAppearanceMedium" />

</LinearLayout>
```

second.xml :

```xml
<?xml version="1.0" encoding="utf-8"?>
<ScrollView
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#7FFFD4"
    android:orientation="vertical">
<RelativeLayout
     android:layout_width="match_parent"
    android:layout_height="match_parent"
     android:orientation="vertical"
    >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
```

```xml
    android:layout_height="wrap_content"
    android:layout_alignParentLeft="true"
    android:layout_alignParentTop="true"
    android:layout_marginLeft="22dp"
    android:textStyle="bold"
    android:layout_marginTop="17dp"
    android:text="Welcome User,"
    android:textAppearance="?android:attr/textAppearanceMedium" />

<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/textView1"
    android:layout_below="@+id/textView1"
    android:textStyle="bold"
    android:layout_marginTop="25dp"
    android:text="Name :" />

<EditText
    android:id="@+id/editText1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignBaseline="@+id/textView2"
    android:layout_alignBottom="@+id/textView2"
    android:layout_marginLeft="26dp"
    android:layout_toRightOf="@+id/textView2"
    android:ems="10" >

    <requestFocus />
</EditText>

<DatePicker
    android:id="@+id/datePicker1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignLeft="@+id/editText1"
    android:layout_below="@+id/editText1"
    android:layout_marginTop="23dp" />

<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignBaseline="@+id/datePicker1"
    android:layout_alignBottom="@+id/datePicker1"
    android:layout_toLeftOf="@+id/editText1"
    android:textStyle="bold"
```

```xml
        android:text="Dob :" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/textView3"
        android:layout_marginTop="25dp"
        android:textStyle="bold"
        android:layout_toLeftOf="@+id/editText1"
        android:text="Father :" />

    <EditText
        android:id="@+id/editText2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBaseline="@+id/textView4"
        android:layout_alignBottom="@+id/textView4"
        android:layout_alignLeft="@+id/datePicker1"
        android:ems="10" />

    <TextView
        android:id="@+id/textView5"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignRight="@+id/textView4"
        android:layout_below="@+id/editText2"
        android:layout_marginTop="30dp"
        android:textStyle="bold"
        android:text="Reason:" />

    <EditText
        android:id="@+id/editText3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBaseline="@+id/textView5"
        android:layout_alignBottom="@+id/textView5"
        android:layout_alignLeft="@+id/editText2"
        android:ems="10" />

    <RadioButton
        android:id="@+id/radioButton1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/editText3"
        android:layout_below="@+id/editText3"
        android:layout_marginTop="30dp"
        android:text="male" />
```

```xml
    <RadioButton
        android:id="@+id/radioButton2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBaseline="@+id/radioButton1"
        android:layout_alignBottom="@+id/radioButton1"
        android:layout_toRightOf="@+id/datePicker1"
        android:text="female" />

    <TextView
        android:id="@+id/textView6"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBottom="@+id/radioButton1"
        android:layout_alignRight="@+id/textView5"
        android:textStyle="bold"
        android:text="Gender:" />

    <CheckBox
        android:id="@+id/checkBox1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/textView3"
        android:layout_below="@+id/radioButton1"
        android:layout_marginTop="51dp"
        android:text="i assure that Above given details are true to my knowledge and can be verified by office
at any point of time in future." />

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/checkBox1"
        android:layout_alignLeft="@+id/textView2"
        android:layout_alignParentBottom="true"
        android:layout_alignRight="@+id/editText3"
        android:text="Apply for Bonafide" />

</RelativeLayout></ScrollView>
```

AndroidManiest.xml :

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.myapps"
    android:versionCode="1"
    android:versionName="1.0" >
```

```xml
    <uses-sdk
        android:minSdkVersion="11"
        android:targetSdkVersion="17" />

    <application
        android:allowBackup="true"
        android:icon="@drawable/icon"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <activity
            android:name="com.example.myapps.MainActivity"
            android:label="Login" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
        <activity
            android:name="com.example.myapps.second"
            android:label="Bonafide Apply" >

        </activity>
        <activity
            android:name=".about"
            android:label="About" >

        </activity>
    </application>

</manifest>
```

main.xml : menu

```xml
<menu xmlns:android="http://schemas.android.com/apk/res/android" >


<item
    android:id="@+id/login"
    android:icon="@drawable/icon"
    android:title="Login Details"
    />
<item
    android:id="@+id/about"
    android:title="About App"
    android:icon="@drawable/about"
```

```
    />

</menu>
```

pop.xml : menu

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android" >
    <item android:id="@+id/events" android:title="Event info"></item>
    <item android:id="@+id/timeevents" android:title="Exam Timetable"></item>
    <item android:id="@+id/coeevents" android:title="COE announcements"></item>
</menu>
```

logout.xml : menu

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android" >
    <item android:id="@+id/logout" android:title="Logout">

    </item>
</menu>
```