# FINAL ASSESSMENT

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## PRACTICAL TEST

SESSION II: 2023/2024

### DFP50293 MOBILE APPLICATION DEVELOPMENT

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**FINAL ASSESSMENT – MOBILE APPLICATION DEVELOPMENT**

1. activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
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"
    android:background="@color/black">

    <LinearLayout
        android:layout_width="409dp"
        android:layout_height="729dp"
        android:orientation="vertical"
        tools:layout_editor_absoluteX="1dp"
        tools:layout_editor_absoluteY="1dp">

        <TextView
            android:id="@+id/titleLbl"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="100px"
            android:layout_marginRight="100px"
            android:layout_marginTop="200px"
            android:layout_marginBottom="300px"
            android:textSize="100px"
            android:textAlignment="center"
            android:text="Welcome User!"
            android:textColor="@color/white"/>

        <TextView
            android:id="@+id/nameLbl"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="100px"
            android:layout_marginRight="100px"
            android:textSize="50px"
            android:textAlignment="center"
            android:text="Please enter your full name"
            android:textColor="@color/white"/>

        <EditText
            android:id="@+id/nameTxt"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="100px"
            android:layout_marginRight="100px"
            android:layout_marginBottom="100px"
            android:textSize="50px"
            android:textAlignment="center"
            android:ems="10"
            android:inputType="text"
            android:hint="Your name"
```

```xml
            android:backgroundTint="@color/white"
            android:textColor="@color/white"/>

        <TextView
            android:id="@+id/icLbl"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="100px"
            android:layout_marginRight="100px"
            android:textSize="50px"
            android:textAlignment="center"
            android:text="Please enter your IC Number"
            android:textColor="@color/white"/>

        <EditText
            android:id="@+id/icTxt"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="100px"
            android:layout_marginRight="100px"
            android:layout_marginBottom="400px"
            android:textSize="50px"
            android:textAlignment="center"
            android:ems="10"
            android:inputType="text"
            android:hint="010203-04-5678"
            android:backgroundTint="@color/white"
            android:textColor="@color/white"/>

        <Button
            android:id="@+id/registerBtn"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="100px"
            android:layout_marginRight="100px"
            android:layout_marginBottom="100px"
            android:text="Register Now"
            android:textColor="@color/black"
            android:backgroundTint="@color/white"/>

    </LinearLayout>

</RelativeLayout>
```

2. MainActivity.java

```java
package com.example.finalassesment;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {
    EditText nameTxt, icTxt;
    Button registerBtn;

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

        nameTxt = findViewById(R.id.nameTxt);
        icTxt = findViewById(R.id.icTxt);

        registerBtn = findViewById(R.id.registerBtn);
        registerBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String name = nameTxt.getText().toString();
                String ic = icTxt.getText().toString();

                Toast.makeText(MainActivity.this, "Your profile has
successfully updated", Toast.LENGTH_SHORT).show();
                    Intent intent = new Intent(MainActivity.this,
ProfileActivity.class);
                intent.putExtra("nameTxt", name);
                intent.putExtra("icTxt", ic);
                startActivity(intent);
            }
        });
    }

}
```

3. activity_profile.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".ProfileActivity"
    tools:ignore="ExtraText"
    android:background="@color/black">

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

        <TextView
            android:id="@+id/titleLbl"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="100px"
            android:layout_marginRight="100px"
            android:layout_marginTop="200px"
            android:layout_marginBottom="50px"
            android:textSize="100px"
            android:textAlignment="center"
            android:text="Profile Page"
            android:textColor="@color/white"/>


        <ImageView
            android:id="@+id/pfp"
            android:layout_width="wrap_content"
            android:layout_height="223dp"
            android:layout_marginLeft="250px"
            android:layout_marginTop="50px"
            android:layout_marginRight="250px"
            android:layout_marginBottom="50px"
            android:clickable="true"
            android:contentDescription="@string/app_name"
            app:srcCompat="@drawable/pfp" />

        <TextView
            android:id="@+id/nameLbl"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="100px"
            android:layout_marginRight="100px"
            android:textSize="50px"
            android:textAlignment="center"
            android:text="Your full name:"
            android:textColor="@color/white"/>

        <TextView
            android:id="@+id/nameView"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="100px"
```

```xml
            android:layout_marginRight="100px"
            android:layout_marginBottom="100px"
            android:textSize="50px"
            android:textAlignment="center"
            android:textColor="@color/white"/>

        <TextView
            android:id="@+id/icLbl"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="100px"
            android:layout_marginRight="100px"
            android:textSize="50px"
            android:textAlignment="center"
            android:text="Your IC number:"
            android:textColor="@color/white"/>

        <TextView
            android:id="@+id/icView"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="100px"
            android:layout_marginRight="100px"
            android:layout_marginBottom="100px"
            android:textSize="50px"
            android:textAlignment="center"
            android:textColor="@color/white"/>

        <Button
            android:id="@+id/changeBtn"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginLeft="100px"
            android:layout_marginRight="100px"
            android:layout_marginBottom="100px"
            android:text="Change User"
            android:textColor="@color/black"
            android:backgroundTint="@color/white"/>
    </LinearLayout>
</RelativeLayout>
```

4. ProfileActivty.java

```java
package com.example.finalassesment;

import androidx.appcompat.app.AppCompatActivity;

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

public class ProfileActivity extends AppCompatActivity {
    TextView nameView, icView;
    Button changeBtn;

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

        nameView = findViewById(R.id.nameView);
        icView = findViewById(R.id.icView);
        changeBtn = findViewById(R.id.changeBtn);

        String user = getIntent().getStringExtra("nameTxt");
        String ic = getIntent().getStringExtra("icTxt");
        nameView.setText(user);
        icView.setText(ic);

        changeBtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(ProfileActivity.this,
                        MainActivity.class);
                startActivity(intent);
            }
        });
    }
}
```

5. Output