

FINAL ASSESSMENT

PRACTICAL TEST

SESSION II: 2023/2024

DFP50293 MOBILE APPLICATION DEVELOPMENT

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CODING

activity_login.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"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/light_background">

    <ImageView
        android:id="@+id/login_image"
        android:layout_width="0dp"
        android:layout_height="200dp"
        android:src="@drawable/profile_image"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <TextView
        android:id="@+id/login_title"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:text="Welcome to MyProfile"
        android:textColor="@color/dark_text"
        android:textSize="24sp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/login_image" />

    <com.google.android.material.textfield.TextInputLayout
        android:id="@+id/name_input_layout"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="16dp"
        app:layout_constraintTop_toBottomOf="@id/login_title"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent">

        <com.google.android.material.textfield.TextInputEditText
            android:id="@+id/name_input"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:hint="Enter your name"
            android:inputType="text" />
    </com.google.android.material.textfield.TextInputLayout>

    <com.google.android.material.textfield.TextInputLayout
        android:id="@+id/nric_input_layout"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="16dp"
        app:layout_constraintTop_toBottomOf="@id/name_input_layout"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent">
```

```
<com.google.android.material.textfield.TextInputEditText
    android:id="@+id/nric_input"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="Enter your NRIC"
    android:inputType="text" />
</com.google.android.material.textfield.TextInputLayout>

<Button
    android:id="@+id/login_button"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="16dp"
    android:text="Login"
    android:textColor="@color/white"
    android:background="@color/primary_color"
    app:layout_constraintTop_toBottomOf="@id/nric_input_layout"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

LoginActivity.java

```
package com.example.myprofile_05ddt21f2058;

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;

public class LoginActivity extends AppCompatActivity {

    private EditText nameEditText, nricEditText;
    private Button loginButton;

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

        nameEditText = findViewById(R.id.name_input);
        nricEditText = findViewById(R.id.nric_input);
        loginButton = findViewById(R.id.login_button);

        loginButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String name = nameEditText.getText().toString();
                String nric = nricEditText.getText().toString();

                // Hardcoded login verification
                if (name.equals("Affann") && nric.equals("030606120769"))
                {
                    Intent intent = new Intent(LoginActivity.this,
ProfileActivity.class);
                    intent.putExtra("name", name);
                    startActivity(intent);
                }
            }
        });
    }
}
```

activity_profile.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:orientation="vertical"
    android:gravity="center"
    android:padding="16dp">

    <TextView
        android:id="@+id/textViewProfileName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="24sp"
        android:text="Welcome!" />

    <ImageView
        android:id="@+id/imageViewProfile"
        android:layout_width="150dp"
        android:layout_height="150dp"
        android:layout_marginTop="16dp"
        android:src="@drawable/profile_picture" />

    <Button
        android:id="@+id/buttonUpdate"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:text="Update Profile" />
</LinearLayout>
```

ProfileActivity.java

```
package com.example.myprofile_05ddt21f2058;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

public class ProfileActivity extends AppCompatActivity {

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

        TextView textViewProfileName =
findViewById(R.id.textViewProfileName);
        ImageView imageViewProfile = findViewById(R.id.imageViewProfile);
        Button buttonUpdate = findViewById(R.id.buttonUpdate);

        String name = getIntent().getStringExtra("Affann");
        if (name != null) {
            textViewProfileName.setText("Welcome, " + name + "!");
        }

        imageViewProfile.setImageResource(R.drawable.profile_picture); //
Replace with your actual profile picture

        buttonUpdate.setOnClickListener(view -> {
            Toast.makeText(ProfileActivity.this, "Your profile has been
successfully updated!", Toast.LENGTH_SHORT).show();
        });
    }
}
```

Output:



