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**FINAL ASSESSMENT**

**PRACTICAL TEST**

SESSION II: 2023/2024

**DFP50293 MOBILE APPLICATION DEVELOPMENT**

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SECTION : DDT5S1

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CODING

activity\_login.xml

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| <?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

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| 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

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| <?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

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| 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:



