

TUGAS PERTEMUAN 2
PRAKTIKUM APP MOBILE
Dosen Pengampu : Nurfiah, S.ST, M.Kom



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A. Login Activity

1) Class Java

```
1 package com.example.laundryapps;
2
3 import android.annotation.SuppressLint;
4 import android.content.Intent;
5 import android.os.Bundle;
6 import android.text.TextUtils;
7 import android.view.View;
8 import android.widget.Button;
9 import android.widget.EditText;
10 import android.widget.Toast;
11
12 import androidx.activity.EdgeToEdge;
13 import androidx.appcompat.app.AppCompatActivity;
14 import androidx.core.graphics.Insets;
15 import androidx.core.view.ViewCompat;
16 import androidx.core.view.WindowInsetsCompat;
17
18 public class LoginActivity extends AppCompatActivity {
19     EditText edUsername, edPassword; 3 usages
20     Button btnLogin; 2 usages
21
22
23     @SuppressWarnings("MissingInflatedId")
24     @Override
25     protected void onCreate(Bundle savedInstanceState) {
26         super.onCreate(savedInstanceState);
27         EdgeToEdge.enable(this);
28         setContentView(R.layout.activity_basic);
29         ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
30             Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
31             v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
32             return insets;
33         });
34         // kenalkan widget didalam method create
35         edUsername = (EditText) findViewById(R.id.edUsername);
36         edPassword = (EditText) findViewById(R.id.edPassword);
37         btnLogin = (Button) findViewById(R.id.btnLogin);
38
39
40         // event handle ketika tombol login di klik
41         btnLogin.setOnClickListener(new View.OnClickListener() {
42             @Override
43             public void onClick(View view) {
44                 if (TextUtils.isEmpty(edUsername.getText().toString())) {
45                     Toast.makeText(LoginActivity.this, "Username tidak boleh kosong", Toast.LENGTH_SHORT).show();
46                 } else if (TextUtils.isEmpty(edPassword.getText().toString())) {
47                     Toast.makeText(LoginActivity.this, "Password tidak boleh kosong", Toast.LENGTH_SHORT).show();
48                 } else {
49                     Intent intent = new Intent(LoginActivity.this, MainActivity.class);
50                     // kirim data username ke activity main menggunakan intent
51                     intent.putExtra("username", edUsername.getText().toString());
52                     startActivity(intent);
53                     // setelah tombol login diklik maka activity login kita matikan
54                     finish();
55                 }
56             }
57         });
58     }
59 }
60 }
```

2) XML

```
<EditText
    android:id="@+id/edUsername"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:drawableStart="@drawable/ic_username"
    android:drawablePadding="8dp"
    android:hint="Username"
    android:padding="16dp" />
```

```
<EditText
    android:inputType="numberPassword"
    android:id="@+id/edPassword"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="8dp"
    android:drawableStart="@drawable/ic_password"
    android:drawablePadding="8dp"
    android:hint="Password"
    android:padding="16dp" />
```

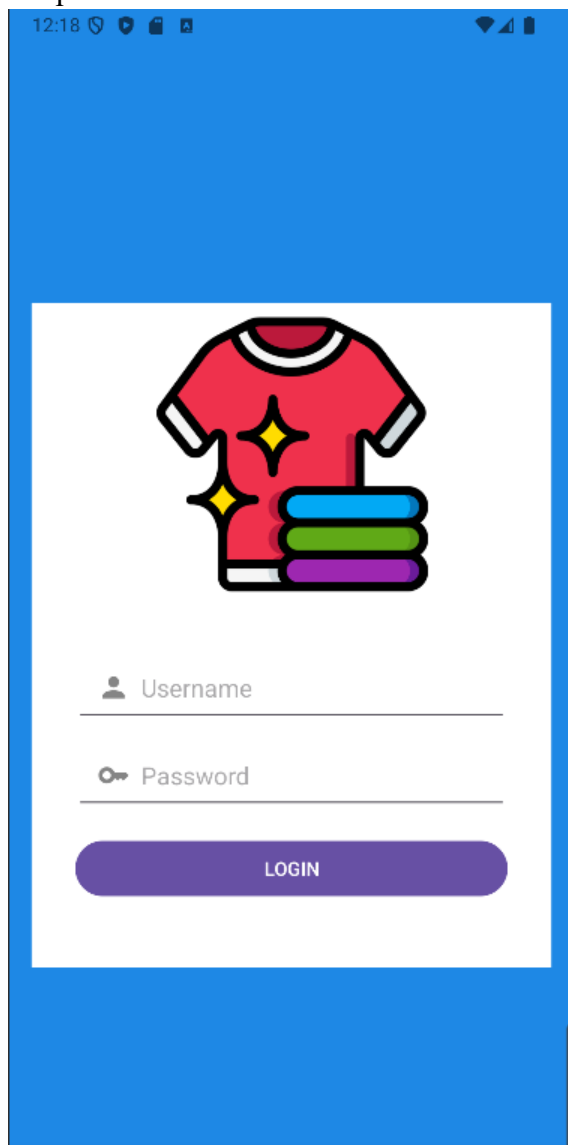
```
<Button
    android:id="@+id/btnLogin"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    android:layout_marginBottom="16dp"
    android:text="LOGIN" />
```

3) Manifest

```
<activity
    android:name=".LoginActivity"
    android:exported="true">
    <intent-filter>
        <action android:name="android.intent.action.MAIN" />

        <category android:name="android.intent.category.LAUNCHER" />
    </intent-filter>
</activity>
```

4) Output



B. Main Activity

1) Class Java

```
1      package com.example.laundryapps;
2
3      import android.content.Intent;
4      import android.os.Bundle;
5      import android.view.View;
6      import android.widget.Toast;
7
8      import androidx.activity.EdgeToEdge;
9      import androidx.appcompat.app.AppCompatActivity;
10     import androidx.cardview.widget.CardView;
11     import androidx.core.graphics.Insets;
12     import androidx.core.view.ViewCompat;
13     import androidx.core.view.WindowInsetsCompat;
14
15     <> public class MainActivity extends AppCompatActivity {
16         String username; 2 usages
17
18         @Override
19         protected void onCreate(Bundle savedInstanceState) {
20             super.onCreate(savedInstanceState);
21             EdgeToEdge.enable(this);
22             setContentView(R.layout.activity_main);
23             ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
24                 Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
25                 v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
26                 return insets;
27             });
28             username = getIntent().getStringExtra("username");
29             Toast.makeText(this, ""+username, Toast.LENGTH_SHORT).show();
30
31             CardView cvLaundry = (CardView) findViewById(R.id.cvLaundry);
32             CardView cvLayanan = (CardView) findViewById(R.id.cvLayanan);
33             CardView cvPelanggan = (CardView) findViewById(R.id.cvPelanggan);
34             CardView cvPromo = (CardView) findViewById(R.id.cvPromo);
35         }
36     }
```

```

36 // event handle
37 cvLaundry.setOnClickListener(new View.OnClickListener() {
38     @Override
39     public void onClick(View v) {
40         Intent intent = new Intent( packageContext: MainActivity.this, LaundryActivity.class);
41         startActivity(intent);
42     }
43 });
44 cvLayanan.setOnClickListener(new View.OnClickListener() {
45     @Override
46     public void onClick(View v) {
47         Intent intent = new Intent( packageContext: MainActivity.this, LayananActivity.class);
48         startActivity(intent);
49     }
50 });
51 cvPelanggan.setOnClickListener(new View.OnClickListener() {
52     @Override
53     public void onClick(View v) {
54         Intent intent = new Intent( packageContext: MainActivity.this, PelangganActivity.class);
55         startActivity(intent);
56     }
57 });
58 cvPromo.setOnClickListener(new View.OnClickListener() {
59     @Override
60     public void onClick(View v) {
61         Intent intent = new Intent( packageContext: MainActivity.this, PromoActivity.class);
62         startActivity(intent);
63     }
64 });

```

2) XML

- Card View Laundry

```

<androidx.cardview.widget.CardView
    android:id="@+id/cvLaundry"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="12dp"
    android:layout_weight="1"
    app:cardCornerRadius="16dp">

```

- Card View Layanan

```
<androidx.cardview.widget.CardView
    android:id="@+id/cvLayanan"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="12dp"
    android:layout_weight="1"
    app:cardCornerRadius="16dp">
```

- Card View Pelanggan

```
<androidx.cardview.widget.CardView
    android:id="@+id/cvPelanggan"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="12dp"
    android:layout_weight="1"
    app:cardCornerRadius="16dp">
```

- Card View Promo

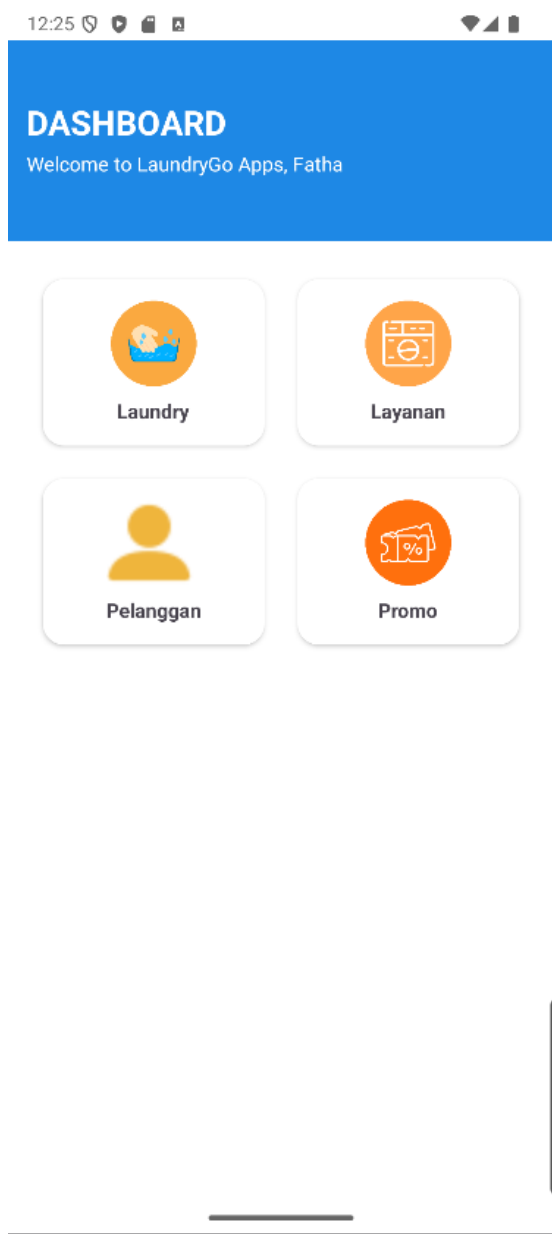
```
<androidx.cardview.widget.CardView
    android:id="@+id/cvPromo"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="12dp"
    android:layout_weight="1"
    app:cardCornerRadius="16dp">
```

3) Manifest

```
<activity
    android:name=".MainActivity"
    android:exported="true">
    <intent-filter>
        <action android:name="android.intent.action.MAIN" />

        <category android:name="android.intent.category.LAUNCHER" />
    </intent-filter>
</activity>
```

4) Output



C. Laundry Activity Output

TRANSAKSI	
PAID - Rp. 28,000 TRX - 000001 Fulan	Senin, 10-09-2024 PROSES
UNPAID - Rp. 10,000 TRX - 000001 unknown	Senin, 10-09-2024 PROSES

D. Layanan Activity Output

Tambah Layanan

CUCI SETRIKA
Rp. 6.000/Kg

SETRIKA
Rp. 4.000/Kg

CUCI
Rp. 4.000/Kg

E. Pelanggan Activity Output

Tambah Pelanggan

Fulan
0853xxxx

Fulanah
0821xxxx

Abdi
0831xxxx

F. Promo Activity Output

TAMBAH PROMO

ABC123
Promo Menarik Cuci Minimal 10 Kg Gratis Cuci 1 Kg berlaku untuk kelipatannya
ACTIVE

ABC123
Promo Menarik Cuci Minimal 10 Kg Gratis Cuci 1 Kg berlaku untuk kelipatannya
ACTIVE