

XML code :

```
<?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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <!-- Top View -->
    <View
        android:id="@+id/top_view"
        android:layout_width="match_parent"
        android:layout_height="200dp"
        android:background="@drawable/img_1" />

    <!-- Dashboard Title -->

    <!-- Grid Layout -->

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_marginStart="118dp"
        android:layout_marginTop="30dp"
        android:text="Dashboard"
        android:textColor="@color/black"
        android:textSize="36sp"
        android:textStyle="bold" />

    <GridLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:rowCount="3"
        android:columnCount="2"
        android:layout_marginStart="24dp"
        android:layout_marginEnd="24dp"
        android:layout_marginTop="-80dp"
        android:layout_below="@id/top_view">

        <!-- Card 1: App Settings -->
        <androidx.cardview.widget.CardView
            android:layout_width="150dp"
            android:layout_height="150dp"
            app:cardCornerRadius="15dp"
            android:layout_columnWeight="1"
            android:layout_rowWeight="1"
            android:layout_margin="12dp"
            app:cardElevation="12dp">

            <LinearLayout
                android:layout_width="match_parent"
```

```

        android:layout_height="match_parent"
        android:orientation="vertical"
        android:gravity="center">

        <ImageView
            android:layout_width="300dp"
            android:layout_height="100dp"
            android:src="@drawable/img_7" />

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="App Settings"
            android:textSize="18sp"
            android:textStyle="bold"/>
    </LinearLayout>
</androidx.cardview.widget.CardView>

<!-- Card 2: Attach Email -->
<androidx.cardview.widget.CardView
    android:layout_width="150dp"
    android:layout_height="150dp"
    app:cardCornerRadius="15dp"
    android:layout_columnWeight="1"
    android:layout_rowWeight="1"
    android:layout_margin="12dp"
    app:cardElevation="12dp">

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

        <ImageView
            android:layout_width="80dp"
            android:layout_height="80dp"
            android:src="@drawable/img_2" />

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Attach Email"
            android:textSize="18sp"
            android:textStyle="bold" />
    </LinearLayout>
</androidx.cardview.widget.CardView>

<!-- Card 3: Android -->
<androidx.cardview.widget.CardView
    android:layout_width="150dp"
    android:layout_height="150dp"
    app:cardCornerRadius="15dp"
    android:layout_columnWeight="1"
    android:layout_rowWeight="1"
    android:layout_margin="12dp"

```

```

app:cardElevation="12dp">

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

    <ImageView
        android:layout_width="90dp"
        android:layout_height="90dp"
        android:src="@drawable/img_3" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Android"
        android:textSize="18sp"
        android:textStyle="bold" />
    </LinearLayout>
</androidx.cardview.widget.CardView>

<!-- Card 4: Camera -->
<androidx.cardview.widget.CardView
    android:layout_width="150dp"
    android:layout_height="150dp"
    app:cardCornerRadius="15dp"
    android:layout_columnWeight="1"
    android:layout_rowWeight="1"
    android:layout_margin="12dp"
    app:cardElevation="12dp">

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

        <ImageView
            android:layout_width="90dp"
            android:layout_height="90dp"
            android:src="@drawable/img_4" />

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="Camera"
            android:textSize="18sp"
            android:textStyle="bold" />
        </LinearLayout>
    </androidx.cardview.widget.CardView>

<!-- Card 5: Alarm -->
<androidx.cardview.widget.CardView
    android:layout_width="150dp"
    android:layout_height="150dp"

```

```
app:cardCornerRadius="15dp"
android:layout_columnWeight="1"
android:layout_rowWeight="1"
android:layout_margin="12dp"
app:cardElevation="12dp">
```

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

```
<ImageView
    android:layout_width="80dp"
    android:layout_height="80dp"
    android:src="@drawable/img_5" />
```

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Alarm"
    android:textSize="18sp"
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
<!-- Card 6: Contacts -->
```

```
<androidx.cardview.widget.CardView
    android:layout_width="150dp"
    android:layout_height="150dp"
    app:cardCornerRadius="15dp"
    android:layout_columnWeight="1"
    android:layout_rowWeight="1"
    android:layout_margin="12dp"
    app:cardElevation="12dp">
```

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

```
<ImageView
    android:layout_width="90dp"
    android:layout_height="90dp"
    android:src="@drawable/img_6" />
```

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Contacts"
    android:textSize="18sp"
    android:textStyle="bold" />
```

```
</LinearLayout>
```

```
</androidx.cardview.widget.CardView>
```

```
</GridLayout>
</RelativeLayout>
```

Java code

```
package com.example.cardviewdesign;

import android.os.Bundle;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
            return insets;
        });
    }
}
```

Grid Layout

