XML code:

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
  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\ and roid x. app compat. app. App Compat Activity;
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

