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20F-1066 | BSE-6A

Software for Mobile Devices

assignment #1

**Task 01 (Linear Layout)**

# **Part 01**

## **XML Code**

<?xml version="1.0" encoding="utf-8"?>  
  
<LinearLayout 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/roomsdescription"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#05104E"  
 android:gravity="center"  
 android:orientation="vertical"  
 tools:ignore="UselessParent"  
 tools:context=".Week2Task\_Part01">  
  
 <TextView  
 android:id="@+id/welcometext"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="top"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginBottom="20dp"  
 android:layout\_marginLeft="130dp"  
 android:fontFamily="monospace"  
 android:text="@string/welcome\_back"  
 android:textColor="@color/white"  
  
 android:textSize="20sp"  
 tools:ignore="RtlHardcoded" />  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="10dp"  
 android:orientation="horizontal"  
 android:layout\_gravity="top"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginBottom="10dp"  
 tools:ignore="RtlHardcoded">  
  
 <Button  
 android:id="@+id/bedroom"  
 style="?android:attr/buttonBarButtonStyle"  
 android:layout\_width="120dp"  
 android:layout\_height="120dp"  
 android:layout\_gravity="top"  
 android:layout\_marginRight="10dp"  
 android:drawableTop="@drawable/ic\_bedroom"  
 android:elevation="4dp"  
 android:hint="@string/bedroombutton"  
 android:text="@string/bedroom"  
 tools:ignore="TextContrastCheck" />  
  
 <Button  
 android:id="@+id/button2"  
 style="?android:attr/buttonBarButtonStyle"  
 android:layout\_width="120dp"  
 android:layout\_height="120dp"  
 android:layout\_marginRight="10dp"  
 android:drawableTop="@drawable/ic\_livingroom"  
 android:elevation="4dp"  
 android:hint="@string/livingroombutton"  
 android:text="@string/living\_room"  
 tools:ignore="TextSizeCheck,TextContrastCheck" />  
  
 <Button  
 android:id="@+id/button"  
 style="?android:attr/buttonBarButtonStyle"  
 android:layout\_width="120dp"  
 android:layout\_height="120dp"  
 android:layout\_marginRight="10dp"  
 android:drawableTop="@drawable/ic\_kitchen"  
 android:elevation="4dp"  
 android:hint="@string/kitchenbutton"  
 android:text="@string/kitchen"  
 tools:ignore="TextContrastCheck" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="top"  
 android:orientation="horizontal"  
 android:layout\_marginLeft="10dp"  
 tools:ignore="RtlHardcoded">  
  
 <Button  
 android:id="@+id/button6"  
 style="?android:attr/buttonBarButtonStyle"  
 android:layout\_width="120dp"  
 android:layout\_height="120dp"  
 android:layout\_marginRight="10dp"  
 android:drawableTop="@drawable/ic\_bathroom"  
 android:elevation="4dp"  
 android:hint="@string/bathroom"  
 android:text="@string/bathroom2"  
 tools:ignore="RtlHardcoded,TextContrastCheck,TextSizeCheck" />  
  
 <Button  
 android:id="@+id/button5"  
 style="?android:attr/buttonBarButtonStyle"  
 android:layout\_width="120dp"  
 android:layout\_height="120dp"  
 android:layout\_marginRight="10dp"  
 android:drawableTop="@drawable/ic\_kidsroom"  
 android:elevation="4dp"  
 android:hint="@string/kids\_room2"  
 android:text="@string/kids\_room"  
 tools:ignore="RtlHardcoded,TextSizeCheck,TextContrastCheck" />  
  
 <Button  
 android:id="@+id/button4"  
 style="?android:attr/buttonBarButtonStyle"  
 android:layout\_width="120dp"  
 android:layout\_height="120dp"  
 android:layout\_marginRight="10dp"  
 android:drawableTop="@drawable/ic\_diningroom"  
 android:elevation="4dp"  
 android:hint="@string/diningroom"  
 android:text="@string/dining\_room"  
 tools:ignore="RtlHardcoded,TextContrastCheck,TextSizeCheck,VisualLintBounds" />  
 </LinearLayout>  
  
 <View  
 android:layout\_width="390dp"  
 android:layout\_height="1dp"  
 android:layout\_gravity="top"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginTop="20dp"  
 android:background="#6C1EE9"  
 tools:ignore="RtlHardcoded" />  
  
  
  
 <!--<LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"/>  
-->  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="top"  
 android:layout\_gravity="top"  
 android:layout\_marginLeft="10dp"  
 android:orientation="horizontal"  
 tools:ignore="RtlHardcoded">  
  
 <ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="30dp"  
 android:layout\_height="40dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="10dp"  
 app:srcCompat="@drawable/ic\_bulb"  
 tools:ignore="ContentDescription" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginRight="30dp"  
 android:layout\_marginLeft="10dp"  
 android:gravity="left"  
 android:text="@string/light\_control"  
 android:textColor="@color/white"  
  
 tools:ignore="LabelFor,RtlHardcoded,TextFields,TouchTargetSizeCheck"  
 android:autofillHints="" />  
  
 <Switch  
 android:id="@+id/lightswitch"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="80dp"  
 android:layout\_marginTop="20dp"  
 android:contextClickable="true"  
 android:freezesText="false"  
 android:minWidth="48dp"  
 android:minHeight="48dp"  
 android:pointerIcon="top\_right\_diagonal\_double\_arrow"  
 android:showText="false"  
 android:textColor="@color/white"  
 android:textSize="16sp"  
 tools:ignore="DuplicateSpeakableTextCheck,RtlHardcoded,UseSwitchCompatOrMaterialXml" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="top"  
 android:layout\_gravity="top"  
 android:layout\_marginLeft="10dp"  
 android:orientation="horizontal"  
 tools:ignore="RtlHardcoded">  
  
 <ImageView  
 android:id="@+id/imageView"  
 android:layout\_width="30dp"  
 android:layout\_height="40dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginLeft="10dp"  
 app:srcCompat="@drawable/ic\_powersupply"  
 tools:ignore="RtlHardcoded"  
 android:contentDescription="@string/todo" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginRight="30dp"  
 android:layout\_marginLeft="10dp"  
 android:gravity="left"  
 android:text="@string/power\_supply"  
 android:textColor="@color/white"  
 tools:ignore="LabelFor,RtlHardcoded,TextFields,TouchTargetSizeCheck"  
 android:autofillHints="" />  
  
 <Switch  
 android:id="@+id/switch3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="75dp"  
 android:layout\_marginTop="20dp"  
 android:contextClickable="true"  
 android:freezesText="false"  
 android:minWidth="48dp"  
 android:minHeight="48dp"  
 android:pointerIcon="top\_right\_diagonal\_double\_arrow"  
 android:showText="false"  
 android:textColor="@color/white"  
 android:textSize="16sp"  
 tools:ignore="UseSwitchCompatOrMaterialXml" />  
 </LinearLayout>  
</LinearLayout>

## **Output**

Graphical user interface, application

Description automatically generated

# **Part 02**

## **XML Code**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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/fblogo"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@drawable/logogradient"  
 android:orientation="vertical"  
 tools:context=".LinearLayout.LoginPage"  
 tools:ignore="MissingClass">  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="50dp"  
 android:layout\_marginBottom="80dp"  
 android:orientation="horizontal">  
  
 <EditText  
 android:id="@+id/editTextTextPersonName"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="90dp"  
 android:layout\_marginBottom="20dp"  
 android:layout\_weight="1"  
 android:background="blue"  
 android:backgroundTint="#4CAF50"  
 android:ems="10"  
 android:fontFamily="@font/averia\_sans\_libre\_bold"  
 android:inputType="textPersonName"  
 android:shadowColor="#B89696"  
 android:text="@string/zinenic"  
 android:textColor="#114C19"  
 android:textSize="60sp"  
 tools:ignore="LabelFor,RtlHardcoded,VisualLintTextFieldSize"  
 android:autofillHints="" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:orientation="horizontal">  
  
  
 <EditText  
 android:id="@+id/editTextTextEmailAddress"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:autofillHints=""  
  
 android:ems="40"  
 android:gravity="center"  
 android:hint="@string/email\_address"  
 android:inputType="textEmailAddress"  
 android:textColor="#FFFFFF"  
 android:textColorHint="#FFFFFF"  
 android:textSize="24sp"  
 tools:ignore="InefficientWeight,TextContrastCheck,VisualLintTextFieldSize" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="50dp"  
 android:orientation="horizontal">  
  
 <EditText  
 android:id="@+id/editTextTextPassword"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:layout\_weight="1"  
 android:ems="40"  
 android:gravity="center"  
 android:hint="@string/password2"  
 android:inputType="textPassword"  
 android:textColor="#D0D6DFD7"  
 android:textColorHint="#FFFFFF"  
 android:textSize="24sp"  
 tools:ignore="InefficientWeight,TextContrastCheck,VisualLintTextFieldSize"  
 android:autofillHints="" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:layout\_marginTop="50dp"  
 android:gravity="center"  
 android:orientation="horizontal">  
  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="280dp"  
 android:layout\_height="60dp"  
 android:layout\_gravity="center"  
 android:layout\_marginLeft="63dp"  
 android:layout\_weight="1"  
 android:background="@drawable/buttonstyling"  
 android:gravity="center"  
 android:shadowRadius="?attr/actionBarSize"  
 android:text="@string/login"  
 android:textColor="@color/black"  
 android:textSize="26sp"  
 app:cornerRadius="@android:dimen/dialog\_min\_width\_major"  
 app:strokeColor="#B59595"  
  
 tools:ignore="InefficientWeight,RtlHardcoded" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="10dp"  
 android:orientation="horizontal">  
  
 <Button  
 android:id="@+id/button2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:background="transparent"  
 android:fontFamily="@font/abel"  
 android:text="@string/forgot\_password"  
 android:textColor="@color/white"  
 android:textSize="16sp"  
 tools:ignore="InefficientWeight,TextContrastCheck" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:layout\_marginBottom="50dp"  
 android:orientation="horizontal"  
 tools:ignore="UselessLeaf">  
  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="70dp"  
 android:orientation="horizontal">  
  
 <Button  
 android:id="@+id/button4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="80dp"  
 android:layout\_weight="1"  
 android:background="transparent"  
 android:drawableLeft="@drawable/ic\_fb"  
 android:text="@string/facebook"  
 android:textColor="@color/white"  
 android:textAlignment="inherit"  
 tools:ignore="ButtonStyle,RtlHardcoded" />  
  
 <Button  
 android:id="@+id/button5"  
 style="?android:attr/buttonBarButtonStyle"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="70dp"  
 android:layout\_weight="1"  
 android:background="transparent"  
 android:drawableLeft="@drawable/ic\_twitter"  
 android:text="@string/twitter"  
 android:textAlignment="inherit"  
 android:textColor="@color/white"  
 tools:ignore="RtlHardcoded,TextContrastCheck" />  
  
  
 </LinearLayout>  
  
</LinearLayout>

## **Values\themes.xml**

<resources xmlns:tools="http://schemas.android.com/tools">  
 *<!-- Base application theme. -->* <style name="Theme.Week02\_Task02" parent="Theme.AppCompat.DayNight.DarkActionBar">  
 *<!-- Primary brand color. -->* <item name="colorPrimary">@color/purple\_500</item>  
 <item name="colorPrimaryVariant">@color/purple\_700</item>  
 <item name="colorOnPrimary">@color/white</item>  
 *<!-- Secondary brand color. -->* <item name="colorSecondary">@color/teal\_200</item>  
 <item name="colorSecondaryVariant">@color/teal\_700</item>  
 <item name="colorOnSecondary">@color/black</item>  
 *<!-- Status bar color. -->* <item name="android:statusBarColor">?attr/colorPrimaryVariant</item>  
 *<!-- Customize your theme here. -->* </style>  
</resources>

## **Night\theme.xml**

<resources xmlns:tools="http://schemas.android.com/tools">  
 *<!-- Base application theme. -->* <style name="Theme.Week02\_Task02" parent="Theme.AppCompat.DayNight.DarkActionBar">  
 *<!-- Primary brand color. -->* <item name="colorPrimary">@color/purple\_200</item>  
 <item name="colorPrimaryVariant">@color/purple\_700</item>  
 <item name="colorOnPrimary">@color/black</item>  
 *<!-- Secondary brand color. -->* <item name="colorSecondary">@color/teal\_200</item>  
 <item name="colorSecondaryVariant">@color/teal\_200</item>  
 <item name="colorOnSecondary">@color/black</item>  
 *<!-- Status bar color. -->* <item name="android:statusBarColor">?attr/colorPrimaryVariant</item>  
 *<!-- Customize your theme here. -->* </style>  
</resources>

# **Output**

Graphical user interface, application

Description automatically generated