**CSE224: Fundamentals of Android**

**CA-2**

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Github Link: <https://github.com/nooobcoder/LPUAndroidAssignment>  
  
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**Problem-1 Solution**  
  
Code: (Kotlin & XML)

package com.example.continuousassessmentone  
  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import java.lang.NullPointerException  
  
class QuestionTwo : AppCompatActivity() {  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 // Hiding the title bar  
 try {  
 this.supportActionBar!!.hide()  
 } catch (e: NullPointerException) {  
 }  
 setContentView(R.layout.activity\_question\_two)  
 }  
}

<?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:background="@color/dark\_pink"  
 android:gravity="center"  
 android:orientation="vertical"  
 android:padding="50dp">  
  
 <ImageView  
 android:layout\_width="200dp"  
 android:layout\_height="200dp"  
 android:src="@drawable/user\_avatar" />  
  
 <LinearLayout  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <Button  
 android:layout\_width="100dp"  
 android:layout\_height="wrap\_content"  
 android:text="Log In"  
 android:textAllCaps="false"  
 android:textSize="15sp" />  
  
 <Button  
 android:layout\_width="100dp"  
 android:layout\_height="wrap\_content"  
 android:text="Sign Up"  
 android:textAllCaps="false"  
 android:textSize="15sp" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
  
 android:orientation="horizontal">  
  
 <ImageView  
 android:layout\_width="50dp"  
 android:layout\_height="50dp"  
 android:layout\_weight="0.3"  
 android:src="@drawable/twitter\_icon" />  
  
 <ImageView  
 android:layout\_width="50dp"  
 android:layout\_height="50dp"  
 android:layout\_weight="0.3"  
 android:src="@drawable/facebook\_icon" />  
  
 <ImageView  
 android:layout\_width="50dp"  
 android:layout\_height="50dp"  
 android:layout\_weight="0.3"  
 android:src="@drawable/gplus\_icon" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="10dp"  
 android:orientation="vertical">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Username / Email Address"  
 android:textAlignment="center"  
 android:textSize="15sp" />  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="vkpandey@gmail.com"  
 android:textAlignment="center"  
 android:textSize="15sp" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:layout\_marginBottom="10dp"  
 android:orientation="vertical">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Password"  
 android:textAlignment="center"  
 android:textSize="15sp" />  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint=""  
 android:inputType="textPassword"  
 android:textSize="15sp" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:layout\_marginBottom="10dp"  
 android:orientation="horizontal">  
  
 <CheckBox  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content" />  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Remember Me"  
 android:textSize="15sp" />  
 </LinearLayout>  
  
 <Button  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:text="DONE ⏩"  
 android:textSize="18sp" />  
</LinearLayout>

Screenshot:

A picture containing graphical user interface

Description automatically generated Graphical user interface

Description automatically generated with medium confidence

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**Problem-2 Solution**  
  
Code: (Kotlin & XML)

package com.example.continuousassessmentone  
  
import androidx.appcompat.app.AppCompatActivity  
import android.os.Bundle  
import java.lang.NullPointerException  
  
class QuestionThree : AppCompatActivity() {  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 // Hiding the title bar  
 try {  
 this.*supportActionBar*!!.hide()  
 } catch (e: NullPointerException) {  
 }  
  
 setContentView(R.layout.*activity\_question\_three*)  
 }  
}

<?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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
  
 <RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerInParent="true"  
 android:layout\_marginStart="15dp"  
 android:layout\_marginTop="5dp"  
 android:layout\_marginEnd="15dp"  
 android:layout\_marginBottom="5dp"  
 android:background="#F6EA80"  
 android:elevation="5dp"  
 android:padding="5dp"  
 android:translationZ="5dp">  
  
 <com.google.android.material.textfield.TextInputLayout  
 android:id="@+id/til\_holder"  
 style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="3dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginRight="3dp"  
 android:textColorHint="@color/amber"  
 app:boxStrokeColor="@color/amber"  
 app:boxStrokeWidth="1dp"  
  
 app:hintTextColor="@color/amber">  
  
 <com.google.android.material.textfield.TextInputEditText  
 android:id="@+id/tie\_Username"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#F3E88A"  
 android:fontFamily="@font/segoe\_ui"  
 android:hint="Intern Name"  
 android:shadowColor="#040101"  
 android:shadowDx="2"  
 android:shadowDy="2"  
 android:textColor="@color/amber"  
 android:textColorHint="@color/amber"  
 android:textSize="18sp"  
 android:textStyle="bold">  
  
 </com.google.android.material.textfield.TextInputEditText>  
 </com.google.android.material.textfield.TextInputLayout>  
  
 <TextView  
 android:id="@+id/tv\_t4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/til\_holder"  
 android:layout\_centerInParent="true"  
 android:layout\_marginLeft="5dp"  
 android:layout\_marginTop="10dp"  
 android:fontFamily="@font/segoe\_ui"  
 android:shadowColor="#040101"  
 android:text="Select your gender"  
 android:textColor="@color/amber"  
 android:textSize="18sp"  
 android:textStyle="bold" />  
  
 <RadioGroup  
 android:id="@+id/rg\_gender"  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/tv\_t4"  
 android:layout\_centerInParent="true"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginTop="10dp">  
  
 <RadioButton  
 android:id="@+id/radio\_b\_male"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:buttonTint="@color/amber"  
 android:fontFamily="@font/segoe\_ui"  
 android:paddingLeft="5dp"  
 android:shadowColor="#040101"  
  
 android:text="Male"  
 android:textColor="@color/amber"  
 android:textSize="15sp"  
 android:textStyle="italic|bold" />  
  
 <RadioButton  
 android:id="@+id/radio\_b\_female"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:buttonTint="@color/amber"  
 android:fontFamily="@font/segoe\_ui"  
 android:paddingLeft="5dp"  
 android:shadowColor="#040101"  
  
 android:text="Female"  
 android:textColor="@color/amber"  
 android:textSize="15sp"  
 android:textStyle="italic|bold" />  
  
 <RadioButton  
 android:id="@+id/radio\_b\_others"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginLeft="-2dp"  
 android:buttonTint="@color/amber"  
 android:fontFamily="@font/segoe\_ui"  
 android:paddingLeft="5dp"  
 android:shadowColor="#040101"  
  
 android:text="Others"  
 android:textColor="@color/amber"  
 android:textSize="15sp"  
 android:textStyle="italic|bold" />  
 </RadioGroup>  
  
 <TextView  
 android:id="@+id/tv\_t5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/rg\_gender"  
 android:layout\_marginLeft="5dp"  
 android:layout\_marginTop="10dp"  
 android:fontFamily="@font/segoe\_ui"  
 android:shadowColor="#040101"  
  
 android:text="Select your domain"  
 android:textColor="@color/amber"  
 android:textSize="18sp"  
 android:textStyle="bold" />  
  
 <CheckBox  
 android:id="@+id/cb\_java"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/tv\_t5"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginTop="10dp"  
 android:buttonTint="@color/amber"  
 android:fontFamily="@font/segoe\_ui"  
 android:shadowColor="#040101"  
  
 android:text="Android Development : JAVA"  
 android:textColor="@color/amber"  
 android:textSize="15sp"  
 android:textStyle="bold|italic" />  
  
 <CheckBox  
 android:id="@+id/cb\_flutter"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
  
 android:layout\_below="@id/cb\_java"  
 android:layout\_marginLeft="10dp"  
 android:buttonTint="@color/amber"  
 android:fontFamily="@font/segoe\_ui"  
 android:shadowColor="#040101"  
  
 android:text="Android Development : FLUTTER"  
 android:textColor="@color/amber"  
 android:textSize="15sp"  
 android:textStyle="bold|italic" />  
  
 <CheckBox  
 android:id="@+id/cb\_kotlin"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
  
 android:layout\_below="@id/cb\_flutter"  
 android:layout\_marginLeft="10dp"  
 android:buttonTint="@color/amber"  
 android:fontFamily="@font/segoe\_ui"  
 android:shadowColor="#040101"  
 android:text="Android Development : KOTLIN"  
 android:textColor="@color/amber"  
 android:textSize="15sp"  
 android:textStyle="bold|italic" />  
  
 <Button  
 android:id="@+id/btn\_submit"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/cb\_kotlin"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginLeft="5dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginRight="5dp"  
 android:backgroundTint="@color/gray"  
 android:elevation="5dp"  
 android:fontFamily="@font/segoe\_ui"  
 android:paddingTop="8dp"  
 android:paddingBottom="8dp"  
 android:shadowColor="#B67474"  
 android:shadowDx="2"  
 android:shadowDy="2"  
 android:shadowRadius="3"  
 android:text="submit"  
 android:textColor="@color/white"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 android:translationZ="5dp" />  
 </RelativeLayout>  
</RelativeLayout>

Screenshot:

A picture containing diagram

Description automatically generated