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CSC7054

Activity\_Main.xml

// Using a relative layout design

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent" // set the width of the layout

android:layout\_height="match\_parent" // set the height of the layout

android:paddingBottom="@dimen/activity\_vertical\_margin" // set the bottom padding of the layout

android:paddingLeft="@dimen/activity\_horizontal\_margin" // set the left padding of the layout

android:paddingRight="@dimen/activity\_horizontal\_margin" // set the right padding of the layout

android:paddingTop="30dp" // set the top padding of the layout

tools:context="com.example.lab4.MainActivity" > // set the context that the xml file refers to

<TextView // create a TextView

android:id="@+id/title" // set the ID of the TextView

android:layout\_width="wrap\_content" // set the width of the TextView

android:layout\_height="wrap\_content" // set the height of the TextView

android:layout\_centerHorizontal="true" // set the TextView to be centered

android:text="@string/title" // set the text that will appear in the TextView

android:textSize="25sp" // set the size of the text in the TextView

android:textColor="#000000" /> // set the colour of the text

<TextView // create a TextView

android:id="@+id/username" // set the ID of the TextView

android:layout\_width="wrap\_content" // set the width of the TextView

android:layout\_height="wrap\_content" // Set the height of the TextView

android:layout\_below="@id/title" // set the TextView to be below the title View

android:layout\_marginTop="60dp" // create a space above the TextView

android:textSize="17sp" // set the size of the text in the TextView

android:text="@string/username" /> // set the text that will be in the TextView

<EditText // create an EditText

android:id="@+id/username\_entry" // set the ID of the EditText

android:layout\_width="150dp" // set the width of the TextView

android:layout\_height="wrap\_content" // set the height of the TextView

android:layout\_below="@id/title" // set the TextView to be below the title View

android:layout\_toRightOf="@id/username" // set the EditText to the right of username

android:layout\_toEndOf="@+id/username" // see the start of EditText to the end of username

android:layout\_marginTop="56dp" // create a space above the EditText

android:layout\_marginLeft="20dp" //create a space to the left of the EditText

android:layout\_marginStart="20dp" // links to line above

android:textSize="17sp" // set the size of the text in the EditText

android:inputType="text" /> // set the input Type to text

<TextView // create a TextView

android:id="@+id/password" // set the ID of the TextView

android:layout\_width="wrap\_content" // set the width of the TextView

android:layout\_height="wrap\_content" // set the height of the TextView

android:layout\_below="@+id/username" // set the position of the TextView

android:layout\_marginTop="50dp" // create a space above the TextView

android:textSize="17sp" // set the size of the text

android:text="@string/password" /> // set the text that will be in the TextView

<EditText // create an EditText

android:id="@+id/password\_entry" // set the ID of the EditText

android:layout\_width="150dp" // set the width of the TextView

android:layout\_height="wrap\_content" // set the height of the TextView

android:layout\_below="@id/username" // set the TextView to be below the username TextView

android:layout\_toRightOf="@id/password" // set the EditText to the right of password

android:layout\_toEndOf="@+id/password" // see the start of EditText to the end of password

android:layout\_marginTop="47dp" // create a space above the EditText

android:layout\_marginLeft="20dp" //create a space to the left of the EditText

android:layout\_marginStart="20dp" // links to line above

android:textSize="17sp" // set the size of the text in the EditText

android:inputType="textPassword" /> // set the input Type to password

<TextView // create a TextView

android:id="@+id/login\_attempts" // set the ID of the TextView

android:layout\_width="wrap\_content" // set the width of the TextView

android:layout\_height="wrap\_content" // Set the height of the TextView

android:layout\_below="@id/password" // set the TextView to be below the password

android:layout\_marginTop="50dp" // create a space above the TextView

android:layout\_marginLeft="30dp" //create a space to the left of the TextView

android:layout\_marginStart="30dp" // links to line above

android:text="@string/login\_attempts" // set the text that will be in the TextView

android:textSize="17sp" /> // set the size of the text

<Button //create the login button

android:id="@+id/login\_button" // set the ID of the button

android:layout\_width="wrap\_content" // set the width of the Button

android:layout\_height = "wrap\_content" // Set the height of the Button

android:layout\_below="@id/login\_attempts" // set the Button to be below the login attempts

android:layout\_centerHorizontal="true" // set the Button to be centered

android:layout\_marginTop="40dp" // create a space above the Button

android:text="@string/login\_button" />// set the text that will be in the Button

<TextView // create a TextView

android:id="@+id/attempts\_counter" // set the ID of the TextView

android:layout\_width="wrap\_content" // set the width of the TextView

android:layout\_height="wrap\_content" // Set the height of the TextView

android:layout\_alignRight="@+id/username\_entry" // align to the right of username\_entry

android:layout\_alignEnd="@+id/username\_entry" // align at the end of username\_entry

android:layout\_alignTop="@+id/login\_attempts" />// align with the top of login\_attempts

</RelativeLayout>