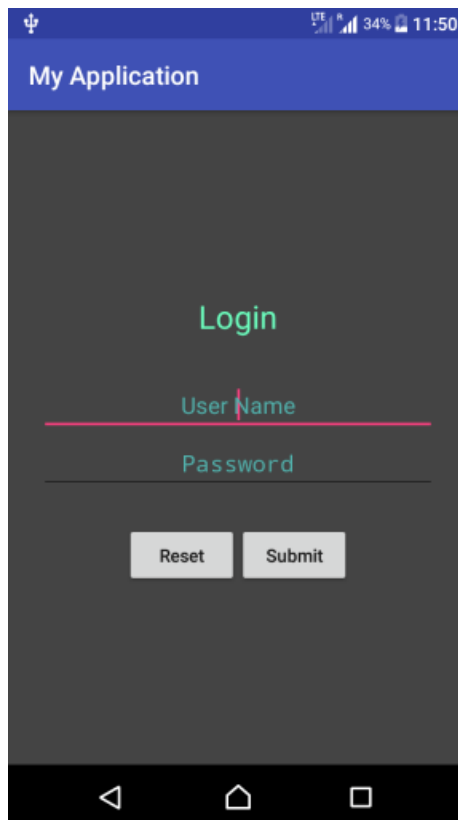


## Login Form Example in Kotlin Android

In this [Android Tutorial](#), we shall learn how to implement a Login Form in an Android Activity with the help of an Example Android Application.

The Login Form shall include two edit text views for user name and password. There shall be a reset button to reset the fields and a submit button to read the values for user name and password and further process them. [OnClickListeners](#) are setup for reset and submit buttons.

A mock-up screenshot of the Login Form Example in Kotlin Android would be as shown below :



Login Form Example in Kotlin Android

[Create an Android Application with Kotlin Support](#) and replace activity\_main.xml and MainActivity.kt with the following content, which will help you create a Login Form.

activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context="com.tutorialkart.myapplication.MainActivity">
    <LinearLayout
        android:id="@+id/ll_main_layout"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:gravity="center"
        android:background="#444444"
        android:padding="25dp"
        android:orientation="vertical">
        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:textSize="25dp"
            android:textColor="#6dffbfbf"
            android:padding="30dp"
            android:text="Login"/>
        <EditText
            android:id="@+id/et_user_name"
            android:hint="User Name"
            android:textColor="#6bfff7"
            android:textColorHint="#52afaa"
            android:textAlignment="center"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"/>
        <EditText
            android:id="@+id/et_password"
            android:hint="Password"
            android:textColor="#6bfff7"
            android:textColorHint="#52afaa"
            android:textAlignment="center"
            android:inputType="textPassword"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"/>
        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:gravity="center"
            android:padding="25dp"
            android:orientation="horizontal">
            <Button
                android:id="@+id/btn_reset"
                android:text="Reset"
                android:textAllCaps="false"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content" />
            <Button
                android:id="@+id/btn_submit"
                android:text="Submit"
                android:textAllCaps="false"
                android:layout_width="wrap_content"
                android:layout_height="wrap_content" />
        </LinearLayout>
    </LinearLayout>
</android.support.constraint.ConstraintLayout>
```

```

package com.tutorialkart.myapplication

import android.support.v7.app.AppCompatActivity
import android.os.Bundle
import android.view.View
import android.widget.*

/**
 * A Login Form Example in Kotlin Android
 */
class MainActivity : AppCompatActivity() {

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        // get reference to all views
        var et_user_name = findViewById(R.id.et_user_name) as EditText
        var et_password = findViewById(R.id.et_password) as EditText
        var btn_reset = findViewById(R.id.btn_reset) as Button
        var btn_submit = findViewById(R.id.btn_submit) as Button

        btn_reset.setOnClickListener {
            // clearing user_name and password edit text views on reset button click
            et_user_name.setText("")
            et_password.setText("")
        }

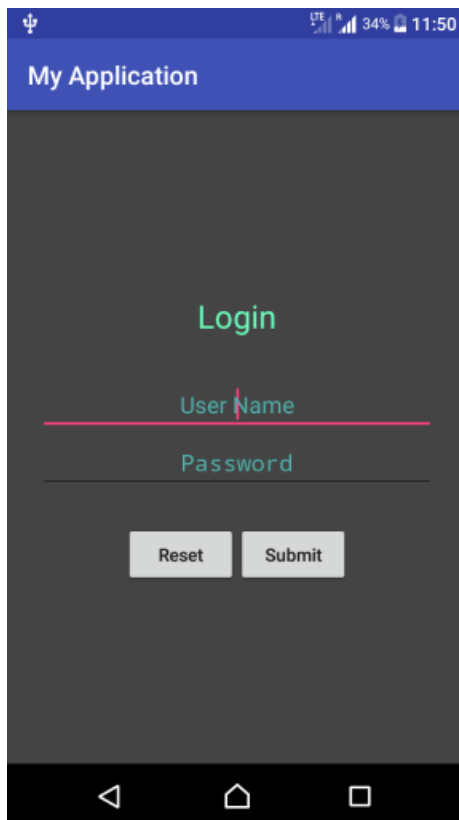
        // set on-click listener
        btn_submit.setOnClickListener {
            val user_name = et_user_name.text;
            val password = et_password.text;
            Toast.makeText(this@MainActivity, user_name, Toast.LENGTH_LONG).show()

            // your code to validate the user_name and password combination
            // and verify the same

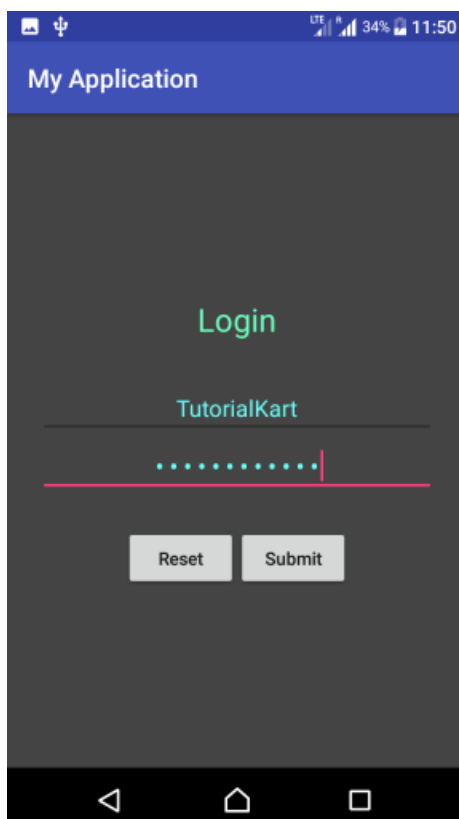
        }
    }
}

```

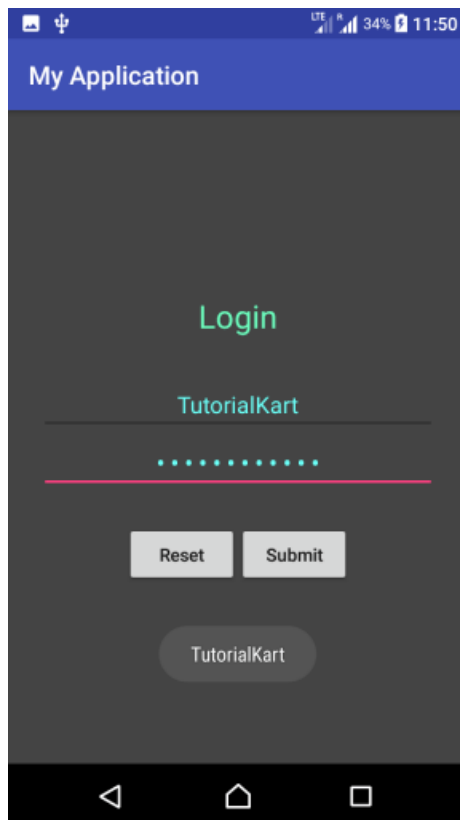
## Screenshots for Login Form Example in Kotlin Android



Login Form Example in Kotlin Android



UserName and Password are entered into fields



Click on Submit – Toast User Name

## Getting Started with Android

- ☐ Kotlin Android Tutorial
- ☐ Create Android Application with Kotlin Support
- ☐ Walk Through Android Studio
- ☐ Convert Java Files to Kotlin Files
- ☐ Kotlin vs Java
- ☐ Use Java 8 in Android
- ☐ Add External Jar to Android Dependencies

## Android TextView

- ☐ Android TextView - Basic Example
- ☐ Android TextView - Create programmatically
- ☐ Android TextView - OnClickListener
- ☐ Android TextView - Justify Text

## Android Button

- ☐ Android - New Button programmatically
- ☐ Android Button - OnClickListener
- ☐ Android Button - Disable All Caps
- ☐ Android Button - Custom Background

[❏ Android Button - Custom Background](#)

[❏ Android Button - Change background programmatically](#)

## Android Toast

[❏ Android Toast - Example](#)

## Android EditText

[❏ Android EditText - Create programmatically](#)

[❏ Android EditText - On Text Change - Listener](#)

[❏ Android TextInputLayout - Floating Label in EditText](#)

[❏ Android EditText - Keyboard with only Numbers](#)

[❏ Android EditText - Show/Hide Password](#)

## Android ImageView

[❏ Android ImageView - OnClickListener](#)

## Android Radio Buttons

[❏ Android RadioGroup - RadioButtons Create programmatically](#)

## Android SeekBar

[❏ Android SeekBar - Example](#)

[❏ Android SeekBar Set Custom Range](#)

## Android Intent

[❏ Android - Start Another Activity](#)

[❏ Android - Open URL in Browser Activity](#)

## Android AlertDialog

[❏ Android AlertDialog - Example](#)

## Android WebView

[❏ Android WebView - Example](#)

## Android ProgressBar

[❏ Kotlin Android - Indeterminate ProgressBar](#)

## Android Snackbar

[❏ Android Snackbar - Example](#)

[❏ Android Snackbar - Set Action](#)

[❏ Android Snackbar - Change Text Color, Background Color](#)

## Android ListView

[❏ Android ListView Example](#)

[❏ Android Refresh ListView](#)

## Android Device Parameters

- [Android Get Screen Width and Height Programmatically](#)

## Android Canvas

- [Draw Rect / Oval to Canvas](#)
- [Android Draw Circle Border](#)
- [Android Draw SVG to Canvas](#)

## Android Programming - Other

- [Android - Access View Programmatically using findViewById](#)
- [Android runOnUiThread](#)

## Android Game Development

- [Android Game Development](#)
- [Detect Collisions between two Sprites \(Bitmaps\)](#)

## Android Text To Speech

- [Android Text To Speech - Kotlin Example](#)

## Fix Errors

- [Android - Minimum supported Gradle version](#)
- [Android - All support libraries must use the exact same version specification](#)

## Example Applications

- [Android - Login Form](#)
- [Android - Color Picker](#)
- [Kotlin Android Game Development](#)

## Kotlin - Java

- [Kotlin Tutorial](#)

## Useful Resources

- [How to Learn Programming](#)