

MODULO 4 | Desarrollo de Aplicaciones Móviles

Android Kotlin | Ignacio Cavallo

https://github.com/cavigna/modulo_desarrollo_de_aplicaciones_moviles_android_kotlin

Clase 58 | 22-07

Siento que las clases han dejado de ser productivas, hoy literalmente, estuvimos cuatro horas en silencio. No se impartió nada, salvo una directiva de aprender de forma autodidacta temas que podrian haber sido explicados en clase en unos 15 minutos. Es por ello que sigo con mi lineamiento de realizar tutoriales para aprender todos los temas relevantes de este módulo considerando que por como vamos, no nos ensañaran mucho. Hoy hice en Jetpack compose un boton animado de registro. Por cierto, el gif ha sido grabado desde mi celular

RESULTADO



CODIGO

MainActivity.kt

```
package com.example.googlebuttoncompose

import android.os.Bundle
import android.util.Log
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.layout.Arrangement
```

```

import androidx.compose.foundation.layout.Column
import androidx.compose.foundation.layout.fillMaxSize
import androidx.compose.material.ExperimentalMaterialApi
import androidx.compose.runtime.Composable
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.tooling.preview.Preview
import com.example.googlebuttoncompose.ui.theme.GoogleButtonComposeTheme

```

```

class MainActivity : ComponentActivity() {
    @ExperimentalMaterialApi
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            GoogleButtonComposeTheme {
                Column(
                    Modifier.fillMaxSize(),
                    verticalArrangement = Arrangement.Center,
                    horizontalAlignment = Alignment.CenterHorizontally
                ) {
                    GoogleButton(
                        text = "Registrate con Google",
                        loadingText = "Creando Cuenta...",
                        onClicked = {
                            Log.d("Google Button", "Clicked")
                        }
                    )
                }
            }
        }
    }
}

```

```

@ExperimentalMaterialApi
@Preview(showBackground = true)
@Composable
fun DefaultPreview() {
    GoogleButtonComposeTheme {
        Column {
            Column(
                Modifier.fillMaxSize(),
                verticalArrangement = Arrangement.Center,
                horizontalAlignment = Alignment.CenterHorizontally
            ) {
                GoogleButton(
                    text = "Registrate con Google",
                    loadingText = "Creando Cuenta...",
                    onClicked = {
                        Log.d("Google Button", "Clicked")
                    }
                )
            }
        }
    }
}

```

```
}  
}
```

GoogleButton.kt

```
package com.example.googlebuttoncompose  
  
import androidx.compose.animation.animateContentSize  
import androidx.compose.animation.core.LinearOutSlowInEasing  
import androidx.compose.animation.core.tween  
import androidx.compose.foundation.BorderStroke  
import androidx.compose.foundation.layout.*  
import androidx.compose.foundation.shape.CornerBasedShape  
import androidx.compose.material.*  
import androidx.compose.runtime.Composable  
import androidx.compose.runtime.mutableStateOf  
import androidx.compose.runtime.remember  
import androidx.compose.ui.tooling.preview.Preview  
import androidx.compose.runtime.*  
import androidx.compose.ui.Alignment  
import androidx.compose.ui.Modifier  
import androidx.compose.ui.graphics.Color  
import androidx.compose.ui.graphics.painter.Painter  
import androidx.compose.ui.res.painterResource  
import androidx.compose.ui.unit.dp  
import com.example.googlebuttoncompose.ui.theme.Shapes  
  
@ExperimentalMaterialApi  
@Composable  
fun GoogleButton(  
    text: String = "Registrate con Google",  
    loadingText: String = "Creando Cuenta ...",  
    icon: Painter = painterResource(R.drawable.ic_google_logo),  
    shape: CornerBasedShape = Shapes.medium,  
    borderColor: Color = Color.LightGray,  
    backgroundColor: Color = MaterialTheme.colors.surface,  
    progressIndicatorColor: Color = MaterialTheme.colors.primary,  
    onClicked: () -> Unit  
) {  
    var clicked by remember { mutableStateOf(false) }  
    Surface(  
        onClick = { clicked = !clicked },  
        shape = shape,  
        border = BorderStroke(width = 1.dp,color = borderColor),  
        color = backgroundColor  
  
    ) {  
        Row(  
            Modifier.padding( //Da padding en el Row  
                start = 12.dp,  
                end = 16.dp,
```

```

        top = 12.dp,
        bottom = 12.dp
    ).animateContentSize(
        animationSpec = tween(
            durationMillis = 300,
            easing = LinearOutSlowInEasing
        )
    ),
    verticalAlignment = Alignment.CenterVertically,
    horizontalArrangement = Arrangement.Center
) {
    Icon(
        painter = icon,
        contentDescription = "Google Button",
        tint = Color.Unspecified,
    )
    Spacer(Modifier.width(8.dp)) // ==> Separa el logo del Texto
    Text(text = if (clicked) loadingText else text)
    if (clicked) {
        CircularProgressIndicator(
            Modifier
                .height(16.dp)
                .width(16.dp),
            strokeWidth = 3.dp,
            color = progressIndicatorColor
        )
        onClicked()
    }
}

}

}

@ExperimentalMaterialApi
@Composable
@Preview
private fun GoogleButtonPreview() {
    GoogleButton(
        text = "Registrate con Google",
        loadingText = "Creando Cuenta...",
        onClicked = {}
    )
}

```