Es un composable que representa el "esqueleto" de una pantalla. Sus parámetros representan cada uno de los elementos de la pantalla:

- Top app bar
- Button bar
- Content
- SnakebarHost
- Floating Action Button



```
@Composable
fun Scaffold(
    modifier: Modifier = Modifier,
    topBar: @Composable () -> Unit = {},
    bottomBar: @Composable () -> Unit = {},
    snackbarHost: @Composable () -> Unit = {},
    floatingActionButton: @Composable () -> Unit = {},
    floatingActionButtonPosition: FabPosition = FabPosition.End,
    containerColor: Color = MaterialTheme.colorScheme.background,
    contentColor: Color = contentColorFor(containerColor),
    contentWindowInsets: WindowInsets = ScaffoldDefaults.contentWindowInsets,
    content: @Composable (PaddingValues) -> Unit
)
```





#### content:

@Composable (PaddingValues) -> Unit → composable que representa el content de la pantalla.



```
class Item(val value: Int)
{
    val title: String = "Título $value"
    val description: String = "Esta es la descripción del elemento $value"
}
```





#### topBar:

@Composable () -> Unit =  $\{\}$   $\rightarrow$ 

composable que representa la top bar app de la pantalla (normalmente un TopAppBar).

```
@Composable
fun Top AppBar(title: @Composable () -> Unit,
       modifier: Modifier = Modifier,
       navigationIcon: @Composable() -> Unit = {},
                                                                                                                                                                          Top app bar
       actions: @Composable RowScope.() -> Unit = {},
                                                                                                                                                                                                Title Large
                                                                                                                                                                           Content
       windowInsets: WindowInsets = TopAppBarDefaults.windowInsets,
       colors: Top AppBar Colors = Top AppBar Defaults.top AppBar Colors(),
                                                                                                                                                                                                                           48 48 48
       scrollBehavior: TopAppBarScrollBehavior? = null
                                                                                                                                                                                             ← App title
                                                                                                                                                                                                                                 >
                                                                                                                                                                                                                              Opción 1
                            title = { Text("App title") }
                                                                                                                                                                                                                              Opción 2
                                                                                                                                                                           Bottom bar
        navigationIcon
                            navigationlcon = { IconButton(onClick = { /* Acción de navegación, por ejemplo abrir un Drawer o navegar a otra pantalla */ })
                                       Icon(image Vector = Icons.AutoMirrored.Filled.ArrowBack, contentDescription = "Menú de navegación")
                             var expanded by remember { mutableStateOf(false) }
                             actions = { IconButton(onClick = { /* Acción de enviar */ }) { Icon(imageVector = Icons.AutoMirrored.Filled.Send, contentDescription = "Enviar") }
                                   | IconButton(onClick = { expanded = true }) | { Icon(image Vector = Icons.Default.More Vert, contentDescription = "Mostrar menú") }
                                   DropdownMenu(expanded = expanded, onDismissRequest = { expanded = false })
                                    DropdownMenuItem(onClick = {/*Acción para la opción 1*/; expanded = false}, text = { Text("Opción 1") })
                                    DropdownMenuItem(onClick = {/* Acción para la opción 2*/; expanded = false}, text = { Text("Opción 2") }}
```



#### bottomBar:

@Composable () -> Unit =  $\{\}$   $\rightarrow$ 

composable que representa la bottom bar de la pantalla (normalmente un NavigationBar).

```
@Composable
 modifier: Modifier = Modifier,
                                                                                                                                                                                           Top app bar
                                                                                                                                                                                                              ← App title
                                                                                                                                                                                                                                          > :
  containerColor: Color = NavigationBarDefaults.containerColor,
 contentColor: Color = MaterialTheme.colorScheme.contentColorFor(containerColor),
                                                                                                                                                                                            Content
 tonalElevation: Dp = NavigationBarDefaults.Elevation,
 windowInsets: WindowInsets = NavigationBarDefaults.windowInsets,
 content: @Composable RowScope.() -> Unit
        bottomBar
                                                                                                                                                                                                     FAB
                            bottomBar = { NavigationBar()
                                                                                                                                                                                            Bottom bar
                                                onClick = { ... }.
                                                icon = { Icon(image Vector = Icons.Filled.Home, contentDescription = "Inicio") },
                                               label = { Text("Inicio") }
                                               onClick = { ... }
                                               icon = { Icon(image Vector = Icons.Filled.Search, contentDescription = "Buscar") },
                                                label = { Text("Buscar") }
                                               icon = { Icon(image Vector = Icons.Filled.Settings, contentDescription = "Preferencias") },
                                                                                                                                                                                                                f
                                                                                                                                                                                                                              Q
                                                                                                                                                                                                                                           *
                                               label = { Text("Preferencias") }
                                                                                                                                                                                                                                        Preferencias
```



#### snackbarHost:

@Composable () -> Unit =  $\{\}$ 

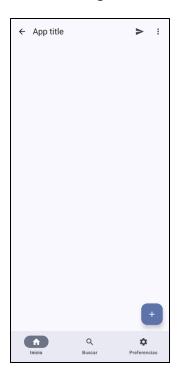
composable que representa el SkaneBarHost con el que mostrar mensajes emergentes.



#### floatingActionButton:

@Composable () -> Unit =  $\{\}$   $\rightarrow$ 

composable que representa el botón principal de la pantalla (normalmente un FloatingActionButton).





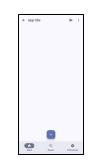
#### floatingActionButtonPosition:

FabPosition = FabPosition.End  $\rightarrow$ 

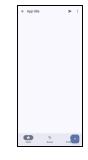
define la ubicación en la pantalla del floatingActionButton.













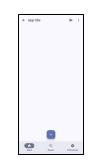
#### floatingActionButtonPosition:

FabPosition = FabPosition.End  $\rightarrow$ 

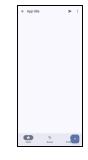
define la ubicación en la pantalla del floatingActionButton.





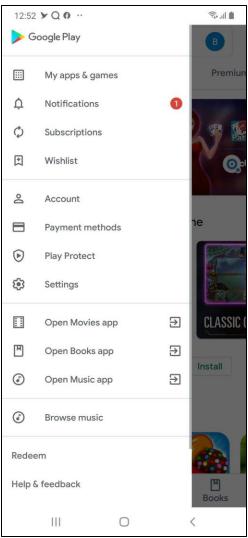








ModalNavigationDrawer +
Scaffold





# ModalNavigationDrawer + Scaffold

```
var drawerState = rememberDrawerState(initialValue = DrawerValue.Closed)
val coroutineScope = rememberCoroutineScope()
ModalNavigationDrawer(drawerState = drawerState,
            drawerContent = { ModalDrawerSheet {
                               // Contenido del drawer
Scaffold(modifier = Modifier.fillMaxSize(),
     topBar= {TopAppBar(title= { Text("App title") },
                navigationIcon= { IconButton(onClick = { coroutineScope.launch {
                                                   drawerState.open()
                           Icon(imageVector= Icons.Filled.Menu, contentDescription= "Menú de navegación")
 innerPadding -> :::
```



# ModalNavigationDrawer +

Scoffold

```
var dra werState = rememberDrawerState(initialValue = DrawerValue.Closed)
var dra werScrollState = rememberScrollState()
val coroutineScope = rememberCoroutineScope()
var currentOpcion by rememberSaveable { mutableStateOf(Opcion.Opcion1) }
ModalNavigationDrawer(drawerState = drawerState,
           dra we rContent = { ModalDra we rSheet {
                                                               ficalScroll(state = dra werScrollState).padding(horizontal = 16.dp))
                    Título
                                                                ht(16.dp)
                                                                eria lTheme.typography.titleLarge)
                    Sección A
                                                                odifier.padding(vertical = 16.dp))
                                                                Materia lTheme.typography.titleMedium)
                       Perfil
                                                                Text("Perfil") },
                    Sección B
                                                                ector = Icons.Filled.AccountCircle, contentDescription = "Perfil") },
                       Mensajes
                                                                Vector = Icons.Filled.Edit, contentDescription = "Edit") },
                                                                odifier.padding(vertical = 16.dp))
                    Opciones
                                                               MaterialTheme.typography.titleMedium)
                        Opción 1
                                                                Text("Mensajes") },
                        Opción 2
                        Opción 3
                                                                ector = Icons.Filled.Email, contentDescription = "Mensajes") },
                                                                xt(text = "2") } }
                                                                odifier.padding(vertical = 16.dp))
                                                                /laterialTheme.typography.titleMedium)
                                                                h \rightarrow Row(modifier = Modifier.padding(start = 32.dp, top = 8.dp, bottom = 8.dp)
                                                                .selectable(selected = currentOpcion == opcion,
                                                                       onClick = { currentOpcion = opcion; /* Más acciones */ }
                                                                on(selected= currentOpcion == opcion, onClick = null)
                                                                 opcion.title)
                                                    (11111
 Scaffold(...) { innerPadding -> ::: }
```