

# Apuntes Android: Jetpack Compose

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## Contenedores

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### Columna

```
import androidx.compose.foundation.layout.Column

Column(){
    //Aqui va el contenido
}
```

### Fila

```
import androidx.compose.foundation.layout.Row

Row(){
    //Aqui va el contenido
}
```

### Box

```
import androidx.compose.foundation.layout.Box

Box(){
}
```

### Grid Verical

```
import androidx.compose.foundation.lazy.grid.LazyVerticalGrid
import androidx.compose.foundation.lazy.grid.GridCells

LazyVerticalGrid(
    // Numero de columnas
    columns = GridCells.Fixed(3)
) {
    //Aqui va el contenido
}
```

### Tarjeta

```
import androidx.compose.material3.Card
import androidx.compose.material3.CardDefaults
import androidx.compose.ui.graphics.Color

Card(
    //Cambiar el color
    colors = CardDefaults.cardColors(
        containerColor = Color.Red
    ),
    //Accion al hacer click sobre el
    onClick = {

    }
){
    //Contenido
}
```

## Contenido

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### Texto

```
import androidx.compose.material3.Text

Text(
    text = "Hello!"
)
```

#### Campo de texto

```
import androidx.compose.material3.TextField
import androidx.compose.runtime.getValue
import androidx.compose.runtime.mutableStateOf
import androidx.compose.runtime.remember
import androidx.compose.runtime.setValue

var texto by remember { mutableStateOf("") }

TextField(
    value = texto,
    onChange = { textoEscrito ->
        texto = textoEscrito
    },
    // Poner teclado solo numeros
    keyboardOptions = KeyboardOptions(keyboardType = KeyboardType.Number)
)
```

#### Linea Divisoria

```
import androidx.compose.material3.HorizontalDivider

HorizontalDivider()
```

#### Boton

```
import androidx.compose.material3.Button

Button(
    onClick = {

    }
){

}
```

#### Icono

```
import androidx.compose.material.icons.Icons

Icon(imageVector = Icons.Filled.Home, contentDescription = "Icono")
```

## Navegacion de la Aplicacion

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```

import androidx.navigation.NavHostController
import androidx.navigation.compose.NavHost
import androidx.navigation.compose.composable
import androidx.navigation.compose.rememberNavController
import androidx.navigation.navigation

NavHost(
    navController = navController,
    startDestination = "",
) {
    navigation(
        route = "",
        startDestination = ""
    ){
        composable(route = "") {
            SomeView()
        }
    }
    composable(route = "") {
        HomeView()
    }
}

```

## Top App Bar

```

import androidx.compose.material3.NavigationBar
import androidx.compose.material3.NavigationBarItem

@OptIn(ExperimentalMaterial3Api::class)
TopAppBar(
    title = {
        Text("Titulo")
    }
)

```

## Navigation Bar

```

import androidx.compose.material3.NavigationBar
import androidx.compose.material3.NavigationBarItem

NavigationBar {
    NavigationBarItem(
        selected = Boolean,
        onClick = {

        },
        label = {
            Text("")
        },
        icon = {
            Icon(
                imageVector = ,
                contentDescription = "Icono"
            )
        }
    )
}

```