

Android

Navigation Drawer



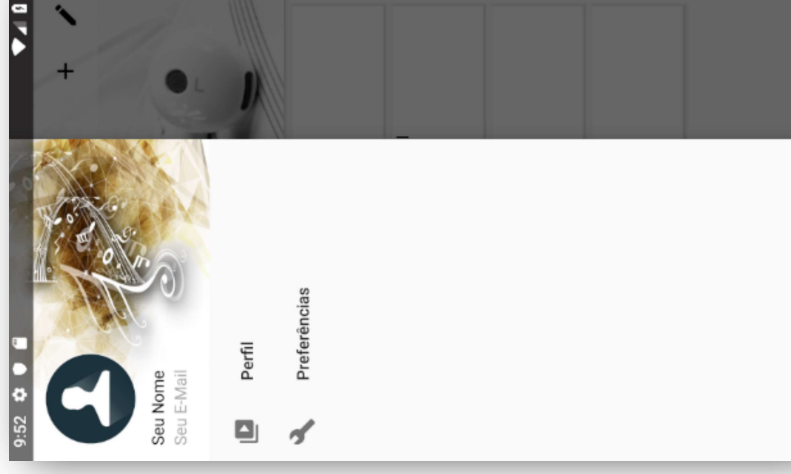
Navigation Drawer

O Menu Lateral é construído com o DrawerLayout. Ele é composto pelo Menu de Navegação e a Página Principal e inclui o fragmento que representa a página principal do App.

```
<androidx.drawerlayout.widget.DrawerLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
xmlns:tools="http://schemas.android.com/tools"
android:id="@+id/drawerLayout"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:fitsSystemWindows="true"
tools:openDrawer="start">

<include
    layout="@layout/fragment_main"
    android:layout_width="wrap_content"
    android:layout_height="match_parent" />

<com.google.android.material.navigation.NavigationView
    android:id="@+id/nav_view"
    android:layout_width="wrap_content"
    android:layout_height="match_parent"
    android:layout_gravity="start"
    android:fitsSystemWindows="true"
    app:headerLayout="@layout/header_main"
    app:menu="@menu/menu_drawer" />
</androidx.drawerlayout.widget.DrawerLayout>
```



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Navigation Drawer

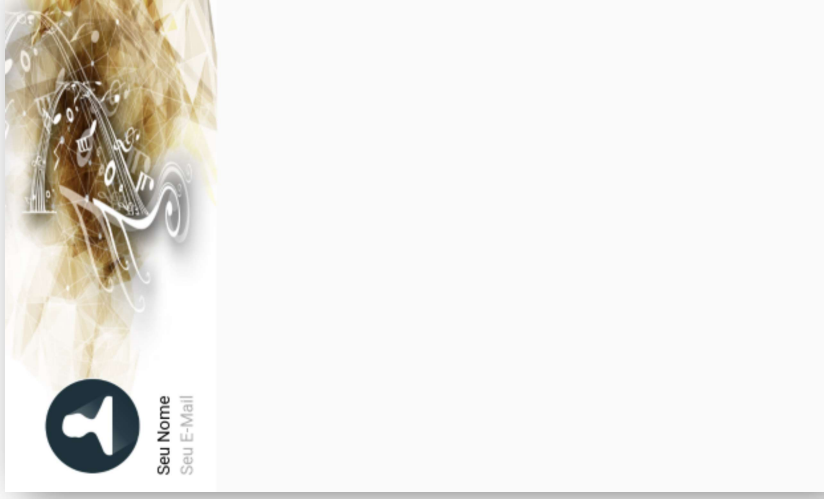
O Menu de Navegação é composto pelo cabeçalho. Nele podemos configurar a imagem que desejamos e textos informativos.

```
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
android:layout_width="match_parent"
android:layout_height="176dp"
android:background="@drawable/nav_header"
android:gravity="bottom"
android:orientation="vertical"
android:padding="16dp"
android:theme="@style/ThemeOverlay.AppCompat.Dark">

<ImageView
    android:id="@+id/ivFoto"
    android:layout_width="88dp"
    android:layout_height="88dp"
    android:contentDescription="Foto"
    app:srcCompat="@drawable/person5" />

<TextView
    android:id="@+id/tvNome"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:paddingTop="8dp"
    android:text="Seu Nome"
    android:textAppearance="@style/TextAppearance.AppCompat.Body1"
    android:textColor="@android:color/black" />

<TextView
    android:id="@+id/tvEmail"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Seu E-Mail"
    android:textColor="@android:color/darker_gray" />
</LinearLayout>
```



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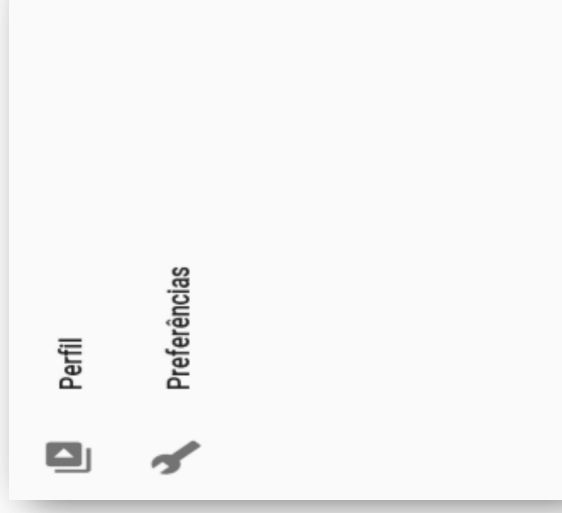
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Navigation Drawer

As opções do Menu de Navegação são construídas da mesma forma que um menu de aplicação tendo como diferença o atributo **showIn**

```
<menu xmlns:android="http://schemas.android.com/apk/res/android"
      xmlns:tools="http://schemas.android.com/tools"
      tools:showIn="navigation_view">
    <item
        android:id="@+id/nav_perfil"
        android:icon="@drawable/ic_menu_slideshow"
        android:title="Perfil" />
    <item
        android:id="@+id/nav_pref"
        android:icon="@drawable/ic_menu_manage"
        android:title="Preferências" />
</menu>
```



Navigation Drawer

O **Fragmento Principal** deve registrar o novo **layout (1)** e inicializar o **DrawerLayout** no método **onCreateView**.

```
override fun onCreateView(inflater: LayoutInflater, container: ViewGroup?,
    savedInstanceState: Bundle?): View? {
    myView = inflater.inflate(R.layout.drawer_main, container, attachToRoot: false)

    val drawerLayout: DrawerLayout = myView!!.findViewById(R.id.drawerLayout)
    val toolbar = myView!!.findViewById<Toolbar>(R.id.toolbar)
    (activity as MainActivity)?.run { this: MainActivity
        setSupportActionBar(toolbar)
        ActionBarDrawerToggle( activity: this, drawerLayout,
            toolbar, "Abre o Navegador", "Fecha o Navegador")
            .also { it: ActionBarDrawerToggle
                drawerLayout.addDrawerListener(it)
                it.syncState()
            }
        onBackPressedListener = {...}
    }
    return myView
}
```

1

2

3

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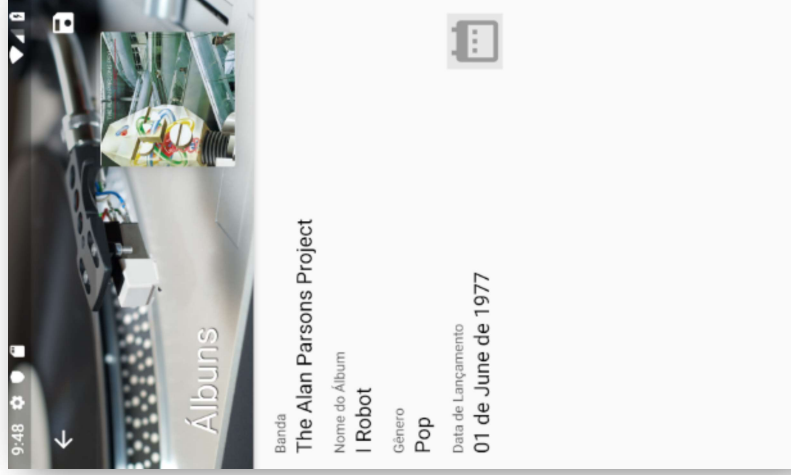
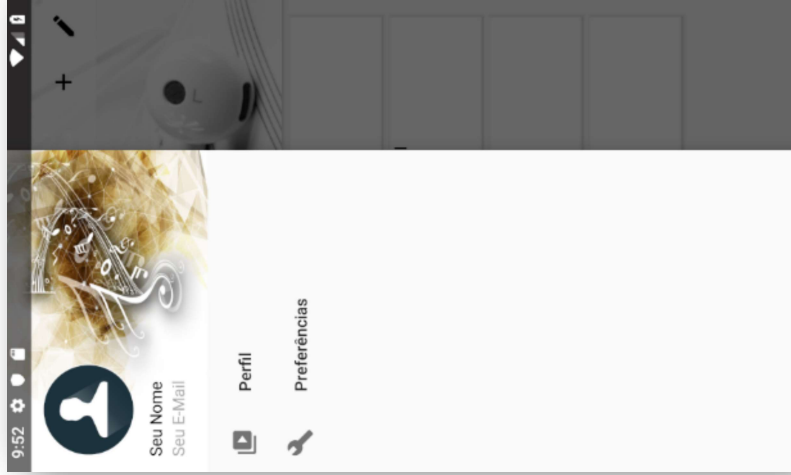
Navigation Drawer

O evento para tratar a seleção dos itens no menu do Drawer são tratados pela expressão lambda passada como argumento no método `setNavigationItemSelectedListener` do `NavigationView`.

1

```
override fun onCreateView(view: View, savedInstanceState: Bundle?) {
    super.onCreateView(view, savedInstanceState)
    nav_view.setNavigationItemSelectedListener { item ->
        when (item.itemId) {
            R.id.nav_pref -> navController!!
                .navigate(R.id.action_albumFragment_to_preferenciasEditFragment)
            R.id.nav_perfil -> navController!!
                .navigate(R.id.action_albumFragment_to_perfilFragment)
        }
    }
    drawerLayout.closeDrawer(GravityCompat.START)
    true ^setNavigationItemSelectedListener
}
```

Meus Álbuns



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