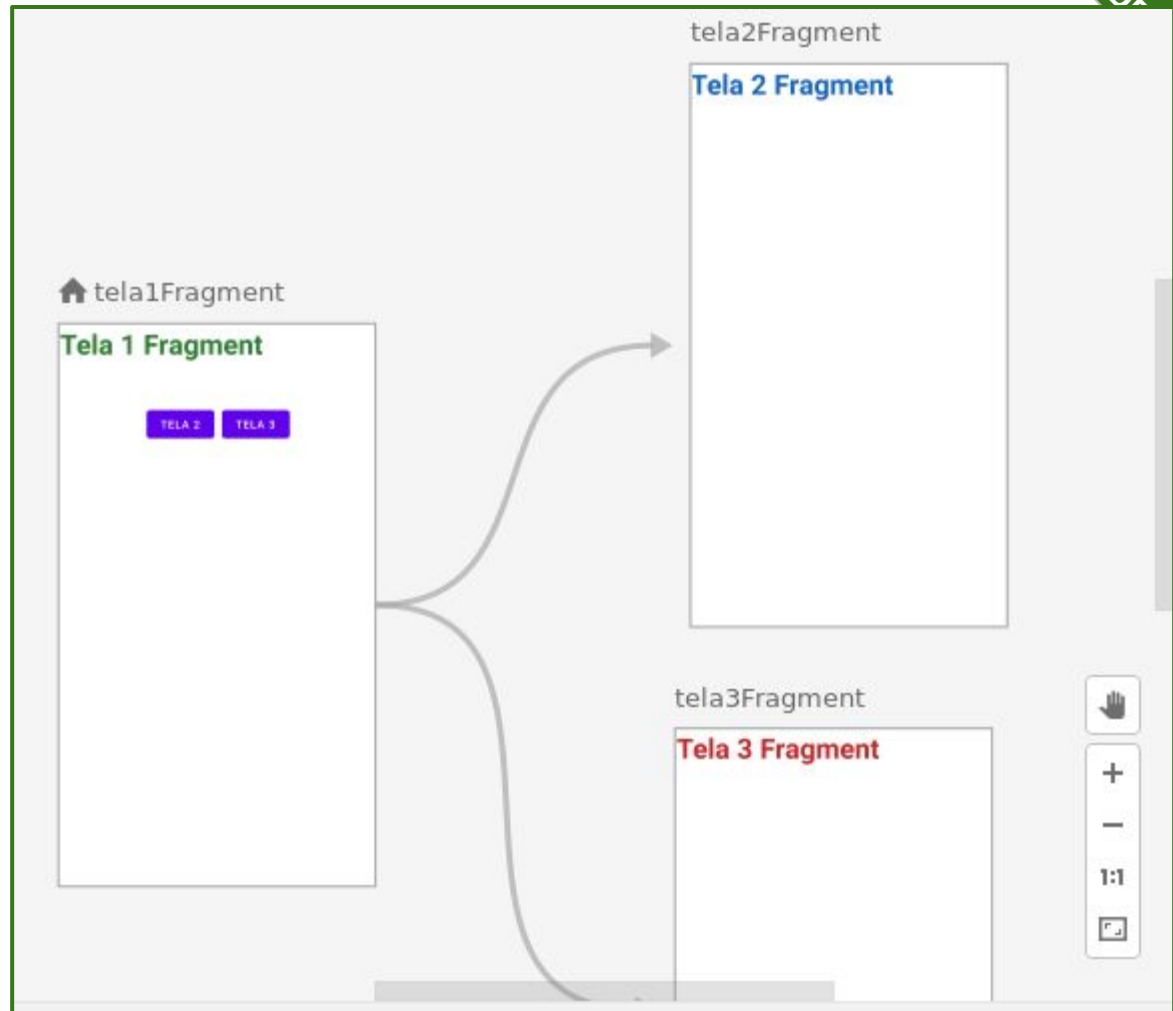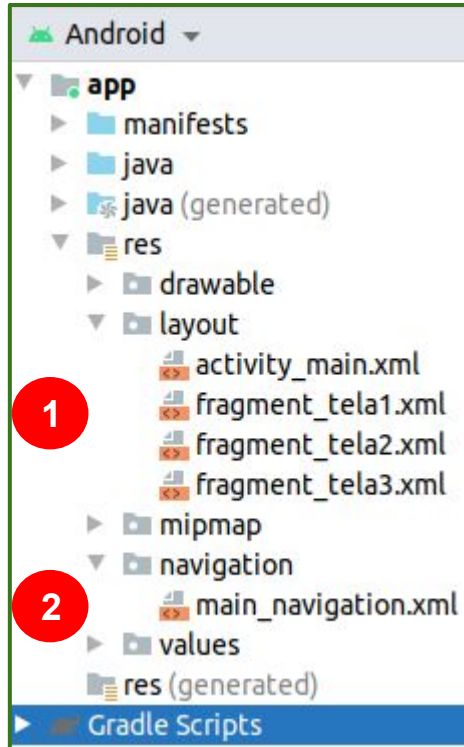# Desenvolvimento de Interfaces Android

Análise e Desenvolvimento de Software - 2020 / 4

INSTITUTO INFNET
1994

Navegar em Fragments

```
build.gradle (:app) ×
46       //----------------------------------------------------------
47       //Navigation
48       def navigationVersion = "2.3.0"
49       implementation "androidx.navigation:navigation-fragment-ktx:$navigationVersion"
50       implementation "androidx.navigation:navigation-ui-ktx:$navigationVersion"
51   }
```

```kotlin
class Tela1Fragment : Fragment() {
    override fun onCreateView(
        inflater: LayoutInflater, container: ViewGroup?,
        savedInstanceState: Bundle?
    ): View? {

        val view : View! = inflater.inflate(R.layout.fragment_tela1, container, attachToRoot: false)

        val btnTela2 : Button! = view.findViewById<Button>(R.id.btnTela2)
        btnTela2.setOnClickListener { it: View!

            val navController : NavController = findNavController( fragment: this)
            val bundle = Bundle()
            bundle.putString("teste", "Instituto Infnet")
            navController.navigate(R.id.action_tela1Fragment_to_tela2Fragment, bundle)
        }
        val btnTela3 : Button! = view.findViewById<Button>(R.id.btnTela3)
        btnTela3.setOnClickListener { it: View!

            val navController : NavController = findNavController( fragment: this)
            navController.navigate(R.id.action_tela1Fragment_to_tela3Fragment)
        }
        return view
    }
}
```

```kotlin
Tela2Fragment.kt ×
10  class Tela2Fragment : Fragment() {
11
12      override fun onCreateView(
13          inflater: LayoutInflater, container: ViewGroup?,
14          savedInstanceState: Bundle?
15      ): View? {
16
17          val frase :String = arguments?.get("teste").toString()
18          Log.i( tag: "MIT", frase)
19          return inflater.inflate(R.layout.fragment_tela2, container, attachToRoot: false)
20      }
21  }
```

TabLayout

```kotlin
TabAdapter.kt ×
7    class TabAdapter(fragmentActivity: FragmentActivity) : FragmentStateAdapter(fragmentActivity) {
8
9        override fun getItemCount(): Int = 3
10
11       override fun createFragment(position: Int): Fragment {
12
13           lateinit var fragment : Fragment
14           when(position) {
15
16               0 -> fragment = FornecedoresFragment()
17               1 -> fragment = ContatosFragment()
18               2 -> fragment = ProdutosFragment()
19           }
20           return fragment
21       }
22   }
```

```kotlin
class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)


        var tabLayout = findViewById<TabLayout>(R.id.tabLayout)
        var viewPager2 = findViewById<ViewPager2>(R.id.viewPager)
        viewPager2.adapter = TabAdapter( fragmentActivity: this)
        TabLayoutMediator(tabLayout, viewPager2) { tab, position ->
            viewPager2.setCurrentItem(tab.position, smoothScroll: true)
            if (position == 2) tab.setText("Produtos")
            if (position == 1) tab.setText("Contatos")
            if (position == 0) tab.setText("Fornecedores")
        }.attach()
    }
}
```

FrameLayout