



Comments (2) Dependencies Duplicates (0) Blocking (0) Resources (6)

WAI Bug P2 + Add Hotlist

STATUS UPDATE No update yet. Edit

DESCRIPTION ha...@gmail.com created issue #1

I had posted 2 stackoverflow questions with this issue and didn't get any response. Due to the nature of the issue, it looks like an issue with Android support library.

The issue is that when using data binding, the hardware back button doesn't work with NavHostFragment as per the attributes given in navigation graph.

Navigation Graph XML:

```
<?xml version="1.0" encoding="utf-8"?>
<navigation 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/launch_navigation_graph"
    app:startDestination="@id/splashFragment">

    <fragment android:id="@+id/splashFragment" android:name="com.myapp.android.SplashFragment"
        android:label="fragment_splash" tools:layout="@layout/fragment_splash">
        <action android:id="@+id/action_splashFragment_to_fragment1"
            app:destination="@id/fragment1"
            app:popUpTo="@+id/splashFragment"
            app:popUpToInclusive="true"/>
    </fragment>
    <fragment android:id="@+id/fragment1"
        android:name="com.myapp.android.Fragment1"
        android:label="fragment1" tools:layout="@layout/fragment_register_msisdn">
        <action android:id="@+id/action_fragment1_to_fragment2"
            app:destination="@id/fragment2" app:popUpTo="@+id/fragment1"
            app:popUpToInclusive="false"/>
    </fragment>
    <fragment android:id="@+id/fragment2"
        android:name="com.myapp.android.Fragment2"
        android:label="fragment_fragment2" tools:layout="@layout/fragment_fragment2"/>
</navigation>
```

MainActivity XML Layout:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context="MainActivity">

    <fragment
        android:id="@+id/mainNavigationHostFragment"
        android:name="androidx.navigation.fragment.NavHostFragment"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        app:defaultNavHost="true"
        app:navGraph="@navigation/navigation_main" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Fragment onCreateView:

```
override fun onCreateView(
    inflater: LayoutInflater, container: ViewGroup?,
    savedInstanceState: Bundle?
): View? {
    // Inflate the layout for this fragment
    val rootView = inflater.inflate(R.layout.fragment1, container, false)
    val binding = DataBindingUtil.bind<Fragment1Binding>(rootView)
    binding?.lifecycleOwner = viewLifecycleOwner
    val fragment1ViewModel = ViewModelProviders.of(this).get(Fragment1ViewModel::class.java)
    binding.viewModel = fragment1ViewModel
    return rootView
}
```

The backButton produces the following crash, but forward navigation works as expected:

2019-04-30 14:00:47.043 18087-18087/com.selfcare.safaricom E/InputEventSender: Exception dispatching finished signal.
2019-04-30 14:00:47.043 18087-18087/com.selfcare.safaricom E/MessageQueue-JNI: Exception in MessageQueue callback: handleReceiveCallback
2019-04-30 14:00:47.047 18087-18087/com.selfcare.safaricom E/MessageQueue-JNI: java.lang.IllegalArgumentException: navigation destination com.selfcare.safaricom:id/action_fragment1_t
at androidx.navigation.NavController.navigate(NavController.java:803)
at androidx.navigation.NavController.navigate(NavController.java:744)
at androidx.navigation.NavController.navigate(NavController.java:730)
at androidx.navigation.NavController.navigate(NavController.java:718)
at com.myapp.android.Fragment2.handleLaunchStatus(Fragment2.kt:53)
at com.myapp.android.Fragment2.access\$handleLaunchStatus(Fragment2.kt:18)
at com.myapp.android.Fragment2\$attachLaunchObserver\$1.onChanged(Fragment2.kt:46)
at com.myapp.android.Fragment2\$attachLaunchObserver\$1.onChanged(Fragment2.kt:18)
at androidx.lifecycle.LiveData.considerNotify(LiveData.java:113)
at androidx.lifecycle.LiveData.dispatchingValue(LiveData.java:126)
at androidx.lifecycle.LiveData\$ObserverWrapper.activeStateChanged(LiveData.java:424)
at androidx.lifecycle.LiveData\$LifecycleBoundObserver.onStateChanged(LiveData.java:376)
at androidx.lifecycle.LifecycleRegistry\$ObserverWithState.dispatchEvent(LifecycleRegistry.java:361)
at androidx.lifecycle.LifecycleRegistry.addObserver(LifecycleRegistry.java:188)
at androidx.lifecycle.LiveData.observe(LiveData.java:185)
at com.myapp.android.Fragment2.attachLaunchObserver(Fragment2.kt:45)
at com.myapp.android.Fragment2.onViewCreated(Fragment2.kt:37)
at androidx.fragment.app.FragmentManagerImpl.moveToState(FragmentManagerImpl.java:895)
at androidx.fragment.app.FragmentManagerImpl.addAddedFragments(FragmentManagerImpl.java:2092)
at androidx.fragment.app.FragmentManagerImpl.executeOpsTogether(FragmentManagerImpl.java:1866)
at androidx.fragment.app.FragmentManagerImpl.removeRedundantOperationsAndExecute(FragmentManagerImpl.java:1822)
at androidx.fragment.app.FragmentManagerImpl.popBackStackImmediate(FragmentManagerImpl.java:298)
at androidx.fragment.app.FragmentManagerImpl.popBackStackImmediate(FragmentManagerImpl.java:241)
at androidx.fragment.app.FragmentManagerImpl.popBackStackImmediate(FragmentManagerImpl.java:288)
at androidx.fragment.app.FragmentManagerImpl.popBackStackImmediate(FragmentManagerImpl.java:241)
at androidx.fragment.app.FragmentActivity\$1.handleOnBackPressed(FragmentActivity.java:144)
at androidx.activity.OnBackPressedDispatcher.onBackPressed(OnBackPressedDispatcher.java:136)
at androidx.activity.ComponentActivity.onBackPressed(ComponentActivity.java:283)
at android.app.Activity.onKeyUp(Activity.java:3083)
at android.view.KeyEvent.dispatch(KeyEvent.java:2716)
at android.app.Activity.dispatchKeyEvent(Activity.java:3366)
at androidx.core.app.ComponentActivity.superDispatchKeyEvent(ComponentActivity.java:80)
at androidx.core.view.KeyEventDispatcher.dispatchKeyEvent(KeyEventDispatcher.java:84)
at androidx.core.app.ComponentActivity.dispatchKeyEvent(ComponentActivity.java:98)
at androidx.appcompat.app.AppCompatActivity.dispatchKeyEvent(AppCompatActivity.java:558)
at androidx.appcompat.view.WindowCallbackWrapper.dispatchKeyEvent(WindowCallbackWrapper.java:59)
at androidx.appcompat.app.AppCompatActivity\$AppCompatActivityWindowCallback.dispatchKeyEvent(AppCompatActivityImpl.java:2736)
at com.android.internal.policy.DecorView.dispatchKeyEvent(DecorView.java:342)
at android.view.ViewRootImpl\$ViewPostImeInputStage.processKeyEvent(ViewRootImpl.java:5037)
at android.view.ViewRootImpl\$ViewPostImeInputStage.onProcess(ViewRootImpl.java:4905)
at android.view.ViewRootImpl\$InputStage.deliver(ViewRootImpl.java:4426)
at android.view.ViewRootImpl\$InputStage.onDeliverToNext(ViewRootImpl.java:4479)
at android.view.ViewRootImpl\$InputStage.forward(ViewRootImpl.java:4445)
at android.view.ViewRootImpl\$AsyncInputStage.forward(ViewRootImpl.java:4585)
at android.view.ViewRootImpl\$InputStage.apply(Vie

Adding SO questions links below. Kindly issue a fix for the same.


SO Question 1: <https://stackoverflow.com/questions/55848234/android-navcontroller-hardware-back-button-crash>
SO Question 2: <https://stackoverflow.com/questions/55916907/databindingutil-plus-navhostfragment-back-navigation-not-working>


✓ Links (6)

⇒ Links (6)

"<navigation 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/launch_navigation_graph""
"SO Question 1: <https://stackoverflow.com/questions/55848234/android-navcontroller-hardware-back-button-crash>... "
"SO Question 2: <https://stackoverflow.com/questions/55916907/databindingutil-plus-navhostfragment-back-navigation-not-working>... "
" ...alling navigate() within a LiveData observer. Keep in mind that LiveData caches your existing state and redelivers it, which is most certainly not the right tool for navigation events. See this blog pos

COMMENTS

 **ki...@google.com** <ki...@google.com>
Assigned to il...@google.com.

 **il...@google.com** <il...@google.com> [#2](#)
Status: Won't Fix (Intended Behavior)

The stack trace says: com.myapp.android.Fragment2.handleLaunchStatus(Fragment2.kt:53) is what is calling navigate() to action_fragment1_to_fragment2. You're on Fragment
Note that it seems that you're calling navigate() within a LiveData observer. Keep in mind that LiveData caches your existing state and redelivers it, which is most certainly not the right to ac2622673150