← C ☆   **Crash with ViewPager2 (Fragment no longer exists for key...)**   +1 ²²   Hotlists (1)   Mark as Duplicate   🔔   ⋮

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[Assigned] [Bug] [P3]   [+ Add Hotlist]

👥 **STATUS UPDATE** No update yet.   [Edit]

📄 **DESCRIPTION** mi...@gmail.com created issue #1   Apr 2, 2021 08:07AM   ⋮

Component used: androidx.viewpager2:viewpager2

Version used: 1.1.0

Devices/Android versions reproduced on: Discovered on Nexus 5X Oreo 8.0. Reproducible on OS versions lower than Android 11.

Sample project: https://github.com/mkano9/material-container-transform-recycleChildrenOnDetach/tree/fragment-no-longer-exists-viewpager2

Video: attached

Steps:

- Open the app
- Put it in background (on the screen with viewpager2)
- **Run** `adb shell am start -n com.example.materialcontainertransformplayground/com.example.materialcontainertransformplayground.MainActivity` (simulating a user starting the app via deeplinking)
- Tap back button > crash

Observation:

In the scenario described in `Steps`, when `FragmentStateAdapter` reaches this check with 🔗shouldDelayFragmentTransactions(), API 30 would evaluate as true and stop there. Other versions would return false and continue to removing the child list fragment. API 30 takes a path that marks the childFragmentManager to mStopped=true while other versions somehow skip, so it has mStopped=false causing `shouldDelayFragmentTransactions()` to return false. This crash doesn't happen when just navigating from foreground.

I fixed this with a workaround in my app, but I still got a crash with the same stacktrace reported, so there must be another entry point to this issue. Why does the behavior differ between API 30 and the rest when these are using the same library code?

If this should be reported under Fragment, I can move it there.

Stacktrace:

```
E/MessageQueue-JNI: java.lang.IllegalStateException: Fragment no longer exists for key f#0: unique id 9026a094-90ca-4a52-b9b8-a3b4577a4514
        at androidx.fragment.app.FragmentManager.getFragment(FragmentManager.java:960)
        at androidx.viewpager2.adapter.FragmentStateAdapter.restoreState(FragmentStateAdapter.java:549)
        at androidx.viewpager2.widget.ViewPager2.restorePendingState(ViewPager2.java:350)
        at androidx.viewpager2.widget.ViewPager2.dispatchRestoreInstanceState(ViewPager2.java:375)
        at android.view.ViewGroup.dispatchRestoreInstanceState(ViewGroup.java:3729)
        at android.view.View.restoreHierarchyState(View.java:17620)
        at androidx.fragment.app.Fragment.restoreViewState(Fragment.java:639)
        at androidx.fragment.app.Fragment.restoreViewState(Fragment.java:3010)
        at androidx.fragment.app.Fragment.performActivityCreated(Fragment.java:3001)
        at androidx.fragment.app.FragmentStateManager.activityCreated(FragmentStateManager.java:580)
        at androidx.fragment.app.FragmentStateManager.moveToExpectedState(FragmentStateManager.java:285)
        at androidx.fragment.app.FragmentManager.executeOpsTogether(FragmentManager.java:2180)
        at androidx.fragment.app.FragmentManager.removeRedundantOperationsAndExecute(FragmentManager.java:2106)
        at androidx.fragment.app.FragmentManager.popBackStackImmediate(FragmentManager.java:781)
        at androidx.fragment.app.FragmentManager.popBackStackImmediate(FragmentManager.java:692)
        at androidx.fragment.app.FragmentManager.handleOnBackPressed(FragmentManager.java:664)
        at androidx.fragment.app.FragmentManager$1.handleOnBackPressed(FragmentManager.java:436)
        at androidx.activity.OnBackPressedDispatcher.onBackPressed(OnBackPressedDispatcher.java:192)
        at androidx.activity.ComponentActivity.onBackPressed(ComponentActivity.java:529)
        at android.app.Activity.onKeyUp(Activity.java:2965)
        at android.view.KeyEvent.dispatch(KeyEvent.java:2712)
        at androidx.core.view.KeyEventDispatcher.activitySuperDispatchKeyEventPre28(KeyEventDispatcher.java:137)
        at androidx.core.view.KeyEventDispatcher.dispatchKeyEvent(KeyEventDispatcher.java:87)
        at androidx.core.app.ComponentActivity.dispatchKeyEvent(ComponentActivity.java:140)
        at androidx.appcompat.app.AppCompatActivity.dispatchKeyEvent(AppCompatActivity.java:569)
        at androidx.appcompat.view.WindowCallbackWrapper.dispatchKeyEvent(WindowCallbackWrapper.java:59)
        at androidx.appcompat.app.AppCompatDelegateImpl$AppCompatWindowCallback.dispatchKeyEvent(AppCompatDelegateImpl.java:3054)
        at androidx.appcompat.view.WindowCallbackWrapper.dispatchKeyEvent(WindowCallbackWrapper.java:59)
        at com.android.internal.policy.DecorView.dispatchKeyEvent(DecorView.java:351)
        at android.view.ViewRootImpl$ViewPostImeInputStage.processKeyEvent(ViewRootImpl.java:4714)
        at android.view.ViewRootImpl$ViewPostImeInputStage.onProcess(ViewRootImpl.java:4586)
        at android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:4128)
        at android.view.ViewRootImpl$InputStage.onDeliverToNext(ViewRootImpl.java:4181)
        at android.view.ViewRootImpl$InputStage.forward(ViewRootImpl.java:4147)
        at android.view.ViewRootImpl$AsyncInputStage.forward(ViewRootImpl.java:4274)
        at android.view.ViewRootImpl$InputStage.apply(ViewRootImpl.java:4155)
        at android.view.ViewRootImpl$AsyncInputStage.apply(ViewRootImpl.java:4331)
```

Reporter

Type

Priority

Severity

Status

Access

Expanded Ac

Assignee

Verifier

Collaborators

CC

AOSP ID

Estimate

Work Remaining (hours)

Found In

Targeted To

Verified In

In Prod

Show 1 add

```
        at android.view.ViewRootImpl$InputStage.deliver(ViewRootImpl.java:4128)
        at android.view.ViewRootImpl$InputStage.onDeliverToNext(ViewRootImpl.java:4181)
        at android.view.ViewRootImpl$InputStage.forward(ViewRootImpl.java:4147)
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        at android.view.ViewRootImpl$InputStage.forward(ViewRootImpl.java:4147)
        at android.view.ViewRootImpl$AsyncInputStage.forward(ViewRootImpl.java:4307)
        at android.view.ViewRootImpl$ImeInputStage.onFinishedInputEvent(ViewRootImpl.java:4468)
        at android.view.inputmethod.InputMethodManager$PendingEvent.run(InputMethodManager.java:2435)
```

📎 **PXL_20210401_210414817.mp4**
28 MB   Download

COMMENTS

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th...@gmail.com <th...@gmail.com> #2   Jun 23, 2021 06:25PM ⋮

Is there a fix for this yet, or should i be setting the saveEnabled to false?

viewPager2.setSaveEnabled(false);

ideally this is not recommonded right?

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da...@gmail.com <da...@gmail.com> #3   Nov 9, 2021 11:41PM ⋮

Any fix on this issue?
It has been 7 months since the issue is reported