[main] INFO soot.jimple.infoflow.taintWrappers.EasyTaintWrapper - Loaded wrapper entries for 89 classes and 12 exclusions.

[main] INFO soot.jimple.infoflow.android.SetupApplication - Initializing Soot...

[main] INFO soot.jimple.infoflow.android.SetupApplication - Loading dex files...

Found dex file 'classes.dex' with 7492 classes in '/home/wq/Desktop/FlowDroid/FlowDroid-2.5.1/Google\_Duo\_v24.0.178310191.DR24.0\_RC13\_apkpure.com.apk'

[main] INFO soot.jimple.infoflow.android.SetupApplication - ARSC file parsing took 0.66544607 seconds

[main] INFO soot.jimple.infoflow.android.SetupApplication - Constructing the callgraph...

[Call Graph] For information on where the call graph may be incomplete, use the verbose option to the cg phase.

[Spark] Pointer Assignment Graph in 0.3 seconds.

[Spark] Type masks in 0.3 seconds.

[Spark] Pointer Graph simplified in 0.0 seconds.

[Spark] Propagation in 2.8 seconds.

[Spark] Solution found in 2.8 seconds.

[main] INFO soot.jimple.infoflow.android.callbacks.DefaultCallbackAnalyzer - Collecting callbacks in DEFAULT mode...

[main] INFO soot.jimple.infoflow.android.callbacks.DefaultCallbackAnalyzer - Callback analysis done.

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class view

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ButtonBarLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v4.widget.Space

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.DialogTitle

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v4.widget.Space

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.FitWindowsLinearLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.view.menu.ListMenuItemView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class view

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class view

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.Toolbar

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.AppCompatCheckBox

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.AppCompatCheckBox

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.AppCompatCheckBox

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.AppCompatCheckBox

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.AppCompatCheckBox

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.AppCompatCheckBox

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.Toolbar

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.design.widget.CoordinatorLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v4.view.ViewPager

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class view

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class DateTimeView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class DateTimeView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class DateTimeView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class DateTimeView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ActionBarOverlayLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ActionBarContainer

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.Toolbar

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ActionBarContextView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.Toolbar

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.Toolbar

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.Toolbar

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.Toolbar

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v4.view.ViewPager

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ButtonBarLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v4.widget.Space

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ActionBarOverlayLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ActionBarContainer

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.Toolbar

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ActionBarContextView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.view.menu.ActionMenuItemView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ActionMenuView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ActionBarContextView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class view

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ButtonBarLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v4.widget.Space

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.AlertDialogLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v4.widget.NestedScrollView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v4.widget.Space

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v4.widget.Space

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.DialogTitle

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v4.widget.Space

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.FitWindowsLinearLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.view.menu.ExpandedMenuView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.view.menu.ListMenuItemView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.view.menu.ListMenuItemView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ContentFrameLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.FitWindowsLinearLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ViewStubCompat

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.FitWindowsFrameLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ViewStubCompat

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ActionBarOverlayLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ActionBarContainer

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.Toolbar

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.ActionBarContextView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class view

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class view

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.Toolbar

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.opengl.GLSurfaceView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.Toolbar

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.AppCompatCheckBox

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.AppCompatCheckBox

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.AppCompatCheckBox

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.AppCompatCheckBox

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.AppCompatCheckBox

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.AppCompatCheckBox

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.Toolbar

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.design.widget.CoordinatorLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Fragment without class name or id detected

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.Toolbar

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Fragment without class name or id detected

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v4.view.ViewPager

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.design.internal.BaselineLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.design.widget.CoordinatorLayout

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class view

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class view

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.design.internal.NavigationMenuItemView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.design.internal.NavigationMenuView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.design.widget.CheckableImageButton

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.RecyclerView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.CardView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.v7.widget.AppCompatCheckBox

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class DateTimeView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class DateTimeView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class DateTimeView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class DateTimeView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class DateTimeView

[main] WARN soot.jimple.infoflow.android.resources.LayoutFileParser - Could not find layout class android.support.design.widget.CoordinatorLayout

[main] INFO soot.jimple.infoflow.android.SetupApplication - Constructing the callgraph...

[Call Graph] For information on where the call graph may be incomplete, use the verbose option to the cg phase.

[Spark] Pointer Assignment Graph in 0.0 seconds.

[Spark] Type masks in 0.0 seconds.

[Spark] Pointer Graph simplified in 0.0 seconds.

[Spark] Propagation in 0.8 seconds.

[Spark] Solution found in 0.8 seconds.

[main] INFO soot.jimple.infoflow.android.callbacks.DefaultCallbackAnalyzer - Running incremental callback analysis for 1 components...

[main] INFO soot.jimple.infoflow.android.callbacks.DefaultCallbackAnalyzer - Incremental callback analysis done.

[main] INFO soot.jimple.infoflow.memory.MemoryWarningSystem - Shutting down the memory warning system...

[main] INFO soot.jimple.infoflow.android.SetupApplication - Callback analysis terminated normally

[main] INFO soot.jimple.infoflow.android.SetupApplication - Entry point calculation done.

[main] INFO soot.jimple.infoflow.android.source.AccessPathBasedSourceSinkManager - Created a SourceSinkManager with 46 sources, 122 sinks, and 2 callback methods.

[main] INFO soot.jimple.infoflow.android.SetupApplication - Running data flow analysis on Google\_Duo\_v24.0.178310191.DR24.0\_RC13\_apkpure.com.apk with 46 sources and 122 sinks...

[main] INFO soot.jimple.infoflow.InfoflowConfiguration - Implicit flow tracking is NOT enabled

[main] INFO soot.jimple.infoflow.InfoflowConfiguration - Exceptional flow tracking is enabled

[main] INFO soot.jimple.infoflow.InfoflowConfiguration - Running with a maximum access path length of 5

[main] INFO soot.jimple.infoflow.InfoflowConfiguration - Using path-agnostic result collection

[main] INFO soot.jimple.infoflow.InfoflowConfiguration - Recursive access path shortening is enabled

[main] INFO soot.jimple.infoflow.InfoflowConfiguration - Taint analysis enabled: true

[main] INFO soot.jimple.infoflow.InfoflowConfiguration - Using alias algorithm FlowSensitive

[main] INFO soot.jimple.infoflow.android.SetupApplication$InPlaceInfoflow - Callgraph construction took 0.013200332 seconds

[main] INFO soot.jimple.infoflow.codeOptimization.InterproceduralConstantValuePropagator - Removing side-effect free methods is disabled

[main] INFO soot.jimple.infoflow.android.SetupApplication$InPlaceInfoflow - Dead code elimination took 0.257958081 seconds

[main] INFO soot.jimple.infoflow.android.SetupApplication$InPlaceInfoflow - Callgraph has 544 edges

[main] INFO soot.jimple.infoflow.android.SetupApplication$InPlaceInfoflow - Starting Taint Analysis

[main] INFO soot.jimple.infoflow.android.data.AndroidMemoryManager - Initializing FlowDroid memory manager...

[main] INFO soot.jimple.infoflow.android.SetupApplication$InPlaceInfoflow - Using context- and flow-sensitive solver

[main] WARN soot.jimple.infoflow.android.SetupApplication$InPlaceInfoflow - Running with limited join point abstractions can break context-sensitive path builders

[main] INFO soot.jimple.infoflow.android.SetupApplication$InPlaceInfoflow - Looking for sources and sinks...

[main] ERROR soot.jimple.infoflow.android.SetupApplication$InPlaceInfoflow - No sources found, aborting analysis

[main] INFO soot.jimple.infoflow.memory.MemoryWarningSystem - Shutting down the memory warning system...

[main] WARN soot.jimple.infoflow.android.SetupApplication$InPlaceInfoflow - No results found.

Maximum memory consumption: 120.378952 MB

[main] INFO soot.jimple.infoflow.android.SetupApplication - Found 0 leaks