



# FootPrint

The Data Tracker



# What is wrong in your life?

The screenshot shows the IntelliJ IDEA IDE with the following components:

- Project View:** Shows the package structure for 'Wiktionary' under 'com.example.android.wiktionary', including files like BuildConfig, ExtendedWikiHelper, LookupActivity, Manifest, R, SimpleWikiHelper, WordWidget, and Libraries.
- Code Editor:** Displays the code for 'LookupActivity.java'. The line `mTitleBar.startAnimation(mSlideIn);` is highlighted in red. Comments above indicate that the animation should be started before jumping into a background thread.
- Debugger:** Shows the current execution state. The 'Frames' pane is active, showing the call stack with the current frame being `onPreExecute():271, LookupActivity$LookupTa`. Other frames include `executeOnExecutor():586, AsyncTask (android.os)`, `execute():534, AsyncTask (android.os)`, `startNavigating():157, LookupActivity (com.exa`, and `onNewIntent():237, LookupActivity (com.exa`.
- Variables:** Shows the state of local variables: `this = (com.example.android.wiktionary`, `mTitleBar = {android.widget.LinearLayout`, and `mSlideIn = {android.view.animation.Ani`.
- Watches:** Shows the state of watched variables: `mT` (containing `mTitle` of type `TextView`), `mTitleBar` (of type `View`), `moveTaskToBack` (of type `boolean`), and `mEntryTitle` (of type `String`).

The status bar at the bottom indicates that all files are up-to-date (5 minutes ago), the current mode is 'Debug', and the file encoding is 'UTF-8'.

# FootPrint

Allows developers to access and explore what happens during debugging, including dynamic changes in data structures, variables, and functions called.

# Limitation & Potential Problems

- **Footprint is text-based**

- Not a tool for understanding the layout or design of the data structures
- Difficult to display large data structures, especially the graphs

- **Feature Creep**

- Lots of useful information to track, adding features may delay the schedule