1. Created a simple service that prints to logs the fibonacci numbers one by one; it runs in the background; this can be useful when debugging (this is commented out at the moment)
2. Created a simple worker to compute a large number in the background
3. Created a simple toast that shows up every 5 seconds (demonstrates the use of async)
4. Utilized android accessibility services to register the apps the user visits and whether they scroll.
5. Attempted to capture the volume up and down buttons as well as the boot signal, but it is a work in progress.

Please note that you must give permission to the app to use android accessibility

Settings > Accessibility > Downloaded Apps > [App Name] > Turn on switch “Use [App Name] > Allow everything

Useful links:

introduction -> https://developer.android.com/develop/background-work/services

łloading and scheduling computations -> https://developer.android.com/reference/android/app/job/JobScheduler

https://developer.android.com/reference/android/app/job/JobInfo.Builder#Builder>

threads and processes -> https://developer.android.com/guide/components/processes-and-threads

restrictions on background services -> https://developer.android.com/about/versions/oreo/background#services

workmanager -> https://developer.android.com/topic/libraries/architecture/workmanager

android accessibility -> https://developer.android.com/guide/topics/ui/accessibility/service