

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.

Useful links that helped:

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

loading 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>