

## Lab3 Writeup

Team6

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1. The hrtimers number is not limited by hardware timer number. The hardware timer is used to create tick, it should not limit the hrtimer number.

2. The OS should have an data structure to record the corresponding thread TID, and can use the tid to send signal to the thread to wake it up.

3. hrtimer is running in interrupt context, in the interrupt context the code cannot use thread related operation such as mutex operation and sleep. The work queue is running in thread context and can use the operation mentioned above

4. More than one RT signal can be queued for the process if it has the signal blocked while someone sends it. In standard signals only one of a given type is queued, the rest is ignored. Order of delivery of RT signal is guaranteed to be the same as the sending order. PID and UID of sending process is written to si\_pid and si\_uid fields of siginfo\_t.

5. When the user starts to run the app, the system calls the onCreate() method for the Activity that has been declared to be the "launcher" (or "main") activity. This is the activity that serves as the main entry point to the app's user interface.

The main or launcher activity can be declared by "android.intent.action.MAIN" and "android.intent.category.LAUNCHER" in the AndroidManifest.xml file.