Power Management

ALARMS

Implemented in the Linux kernel and is visible to the app developer through the AlarmManager in the RunTime core libraries

Is implemented in the kernel so that an alarm can trigger even if the system is in sleep mode

- ◦ this allows the system to go into sleep mode, saving power, even though there is a process that requires a wake up

WAKELOCKS

Prevents an Android system from entering into sleep mode

These locks are requested through the API whenever an application requires one of the managed peripherals to remain powered on

An application can hold one of the following wakelocks:

- ◦ Full_Wake_Lock
- ◦ Partial_Wake_Lock
- ◦ Screen_Dim_Wake_Lock
- ◦ Screen_Bright_Wake_Lock