

Features
of
Palm
OS

CS 185C

One of the important things about Palm devices is need to conserve power
Palm OS Power Usage

Sleep Mode - almost everything on palm turned off except interrupt circuitry, real-time clock & trickle of power to keep RAM alive.

Only certain buttons will cause device to become alive

Doze Mode - device appears to be on clock, digitizer & LCD on but processor not executing ~~anything~~ any instructions. Any input will convert device to enter running mode

Running - actually processes data usually an app will be in this mode 5% of time

Running Apps

Each App has one thread, Kernel is ^{preemptively} multitasking though

Each App is started by OS by calling its PilotMain fⁿ with a launch code saying how program should be launched

Each App is event driven, with an event loop w/c calls the appropriate fⁿ according