

Rememberall

Mobile Widget Platform

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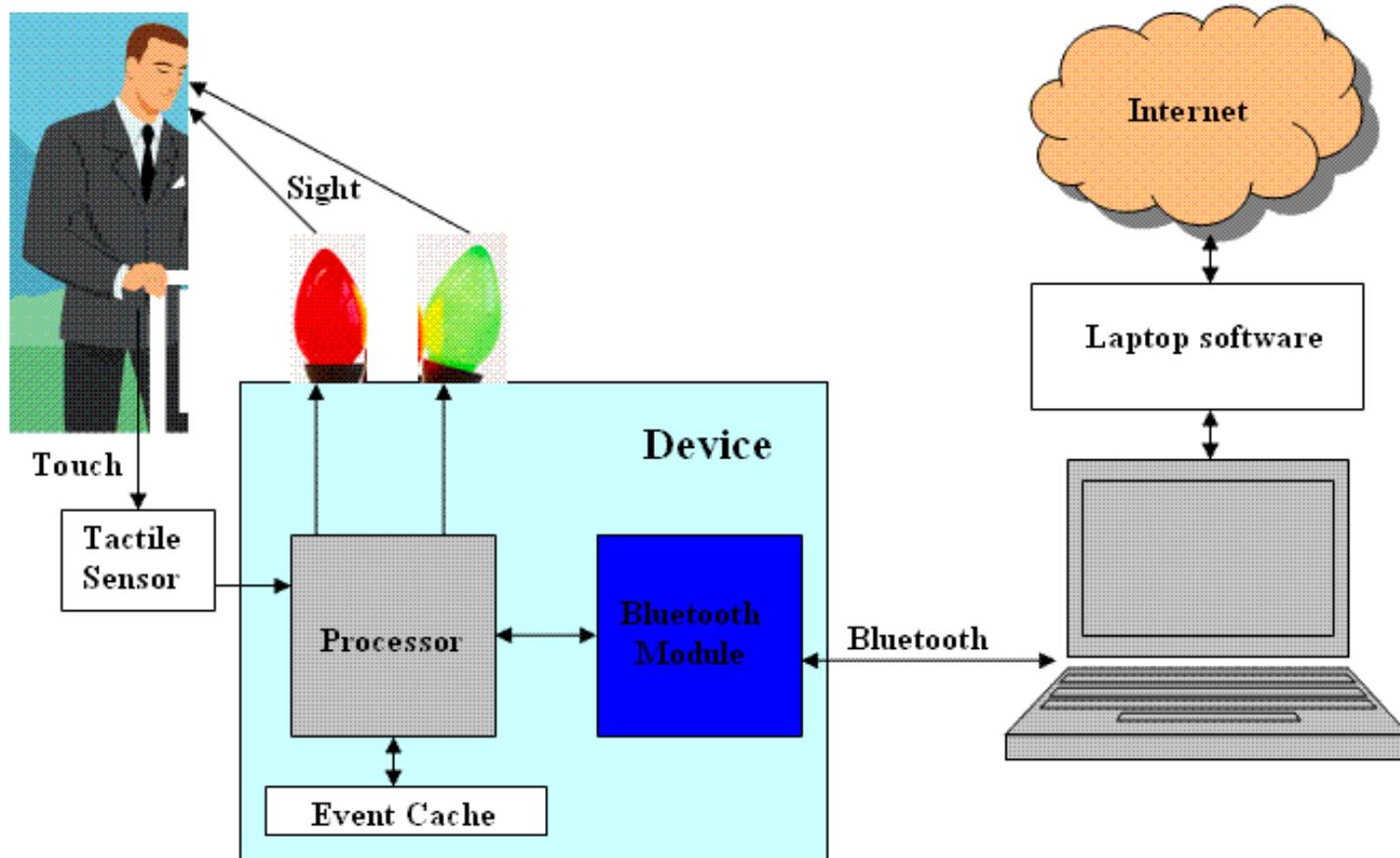
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Status Update

- Project idea: An easy to carry and easy to use device that reminds you about appointments or other things via glowing different colors
- Status
 - Idea finalized
 - Parts requested from course staff

Architecture



Use Cases

- User turns on device → Device initializes and starts keeping track of time
- Event approaches → Device starts glowing → Device gets brighter as event approaches → Device signals you should be at event
- Widget event approaches → Device starts glowing based off widget parameters
- Device and laptop are nearby and device hasn't sync-ed in > 15 minutes → sync between laptop and device starts
- User turns off device → Device de-initializes hardware and shuts down

Risks and Mitigation

Risk	Mitigation
Device could be damaged from being in a pocket or being dropped	Make the wire connections very secure and make the outer shell as durable as possible
Device could run out of power	Choose electronic components that draw little power and choose a battery that will last > 24 hours and require the device be charged once a day
Device's notion of what time it is could be off because of oscillator drift.	Our sync software will measure drift over time and then the device will use that information to adjust its internal notion of time to correct for oscillator drift.