Rememberall
Mobile Widget Platform

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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
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

<table>
<thead>
<tr>
<th>Risk</th>
<th>Mitigation</th>
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<tbody>
<tr>
<td>Device could be damaged from being in a pocket or being dropped</td>
<td>Make the wire connections very secure and make the outer shell as durable as possible</td>
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<tr>
<td>Device could run out of power</td>
<td>Choose electronic components that draw little power and choose a battery that will last &gt; 24 hours and require the device be charged once a day</td>
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<tr>
<td>Device’s notion of what time it is could be off because of oscillator drift.</td>
<td>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.</td>
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