Example Test Case

<table>
<tr><td colspan="2">Test Author: Iorwerth wu</td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td>Test Case Name:</td><td>Key input test</td><td colspan="2">Test ID #:</td><td colspan="2">KEY-IN-1</td></tr>
<tr><td></td><td>Description:</td><td>When pressing different button, the oled screen will show the corresponding text and changing</td><td colspan="2">Type:</td><td colspan="2">√ white box
□ black box
□ _____</td></tr>
<tr><td colspan="7">Tester Information</td></tr>
<tr><td></td><td>Name of Tester:</td><td></td><td colspan="2">Date:</td><td colspan="2"></td></tr>
<tr><td></td><td>HW Version:</td><td>1</td><td colspan="2">Time:</td><td colspan="2"></td></tr>
<tr><td></td><td>Setup:</td><td colspan="5">Make sure the system is reset at beginning and charging</td></tr>
<tr><td>STEP</td><td>Action</td><td>Expected Result</td><td>PASS</td><td>FAIL</td><td>N/A</td><td>Comments</td></tr>
<tr><td>1</td><td>Pressing key "auto"</td><td>In oled mode area will show "auto"</td><td></td><td></td><td></td><td></td></tr>
<tr><td>2</td><td>Pressing key "manual</td><td>In oled mode area will show "manual</td><td></td><td></td><td></td><td></td></tr>
<tr><td>3</td><td>Pressing key "bright"</td><td>In oled "B:" area, the number will change recycle from 0-5</td><td></td><td></td><td></td><td></td></tr>
<tr><td>4</td><td>Pressing key "option"</td><td>In oled time area, "<"will show each position one by one</td><td></td><td></td><td></td><td></td></tr>
<tr><td>5</td><td>Pressing key "+"</td><td>The number on "<" site will be increasing</td><td></td><td></td><td></td><td></td></tr>
<tr><td>6</td><td>Pressing key "-"</td><td>The number on "<" site will be decreasing</td><td></td><td></td><td></td><td></td></tr>
<tr><td>7</td><td>Pressing key "read"</td><td>The bright will be 4</td><td></td><td></td><td></td><td></td></tr>
<tr><td>8</td><td>Pressing key "movie"</td><td>The bright will be 1</td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td colspan="2">Overall test result:</td><td></td><td></td><td></td><td></td></tr>
</table>

Example Matrix Test (for varying parameters)

<table>
<tr><td colspan="6">Test Author: Iorwerth wu</td></tr>
<tr>
<td></td>
<td>Test Case Name:</td>
<td colspan="2">The auto led-system test</td>
<td>Test ID #:</td>
<td>Auto-led-1</td>
</tr>
<tr>
<td></td>
<td>Description:</td>
<td colspan="2">In the auto mode, led-system's brightness will change according to the brightness received by the LDR</td>
<td>Type:</td>
<td>□ white box
√ black box
□ _____</td>
</tr>
<tr><td colspan="6">Tester Information</td></tr>
<tr>
<td></td>
<td>Name of Tester:</td>
<td colspan="2"></td>
<td>Date:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HW Version:</td>
<td colspan="2">1.0</td>
<td>Time:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Setup:</td>
<td colspan="4">Reset the system and set the brightness as 5, the auto mode</td>
</tr>
</table>

TEST	INPUTS	EXPECTED OUTPUTS	PASS	FAIL	N/A	Comments
1	Totally cover the LDR	The led brightness should be 5				
2	Increasing the brightness	The led brightness should decrease				
3	Explore the LDR to hard light	The led brightness should be 0				
	Overall test result:					