LOW LEVEL REQUIREMENTS:

To blink an emergency indicator when temperature is greater than 220 C.

To blink an emergency indicator when battery is less than 40%.

To turn off overhead light when door is closed.

To blink lights when door is opened.

TEST PLAN:

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| Test Input | Logic | Test Output |
| For temperature higher than 220⁰C | If ( TEMP <= 220) | Blinking Light (Display) = 0 |
|  | If ( TEMP > 220) | Blinking Light (Display) = 1 |
| For Low battery | If ( Battery > 40) | Blinking Light (Display) = 0 |
|  | If ( Battery <= 40) | Blinking Light (Display) = 1 |
| For overhead light | If ( Door = closed) | Lights = ON = 1 |
|  | If (Door = opened) | Lights = 2.5delay + OFF = 0 |
| To blink lights in door | If (Door = opened) | Blinking Light = ON = 1 |